



2009 All Sighting Numbers, Raw

Feb 02				Day 1 of 105	Number	Time Code	Species / Vessel Type	
Quality	CCvr	Bft	Vis					
G	0	0	3	01	9:12:00 PST	17:12-GMT Er Gray whale (northbound) Position: 240° / 433 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting	
G	0	0	3	02	9:56:00 PST	17:56-GMT El Southern Sea otter Position: 108° / 761 m Dir: Stationary; Behavior: Swimming • in kelp	Total 1 — 0 Pups at sighting	
G	0	0	3	03	9:56:00 PST	17:56-GMT El Southern Sea otter Position: 114° / 551 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting	
G	0	0	3	04	10:44:00 PST	18:44-GMT Oil services Crew boat Position: 282° / 2,872 m Dir: South	1 vessel	
G	0	0	3	05	10:45:00 PST	18:45-GMT Fish-commercial Tytan Position: 281° / 2,872 m Dir: East	1 vessel	
G	0	0	3	06	10:56:00 PST	18:56-GMT Tt Bottlenose dolphin Position: 148° / 449 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting	
G	0	0	3	07	11:04:00 PST	19:04-GMT Tt Bottlenose dolphin Position: 267° / 485 m Dir: East; Behavior: Slow travel	Total 5 — 0 Calves at sighting	
G	0	0	3	08	11:30:00 PST	19:30-GMT Fish-commercial Squid Swan, Monterey, CA Position: 105° / 2,094 m Dir: West	1 vessel	
G	0	0	3	09	11:37:00 PST	19:37-GMT Oil services Crew boat Position: 283° / 2,872 m Dir: South	1 vessel	
G	0	0	3	10	12:02:00 PST	20:02-GMT Tt Bottlenose dolphin Position: 260° / 318 m Dir: East; Behavior: Slow travel	Total 8 — 1 Calf at sighting	
G	0	0	3	11	12:19:00 PST	20:19-GMT Oo Killer whale Position: 205° / 2,094 m Dir: East; Behavior: Slow travel	Total 5 — 0 Calves at sighting	
G	0	0	3	12	12:27:00 PST	20:27-GMT Tt Bottlenose dolphin Position: 184° / 257 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting	
G	0	0	3	13	12:34:00 PST	20:34-GMT El Southern Sea otter Position: 185° / 203 m Dir: West; Behavior: with gull(s) • in kelp • in surf zone	Total 1 — 0 Pups at sighting	
G	0	0	3	14	12:52:00 PST	20:52-GMT Tt Bottlenose dolphin Position: 238° / 378 m Dir: Stationary; Behavior: Milling	Total 5 — 0 Calves at sighting	

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 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
G 0 0 3	15	12:57:00 PST SC	20:57-GMT Tt Bottlenose dolphin Position: 142° / 1,019 m Dir: West; Behavior: not indicated	Total 12 — 0 Calves at sighting
G 0 0 3	16	13:43:00 PST SC	21:43-GMT Tt Bottlenose dolphin Position: 134° / 466 m Dir: West; Behavior: Slow travel	Total 8 — 0 Calves at sighting
G 0 0 3	17	14:15:00 PST SV	22:15-GMT not determined Position: 252° / 2,094 m Dir: East	1 vessel
G 0 0 3	18	14:38:00 PST SV	22:38-GMT Oil services Crew boat Position: 264° / 2,094 m Dir: South	1 vessel
G 0 1 3	19	15:22:00 PST SV	23:22-GMT Fish-trap-commercial Lobster Position: 110° / 2,094 m Dir: West	1 vessel
G 0 1 3	20	15:33:00 PST SV	23:33-GMT Oil services Crew boat Position: 247° / 2,553 m Dir: South	1 vessel
G 0 1 3	21	15:51:00 PST SV	23:51-GMT Dive-research UCSB Position: 262° / 1,778 m Dir: East	1 vessel
G 0 1 3	22	16:06:00 PST SV	0:06; 2/3/2009-GMT Fish-trap-commercial Lobster Position: 276° / 1,369 m Dir: East	1 vessel
G 0 1 3	23	16:17:00 PST SV	0:17; 2/3/2009-GMT Oil services Crew boat Position: 280° / 2,553 m Dir: South	1 vessel
G 0 1 3	24	16:37:00 PST SV	0:37; 2/3/2009-GMT Oil services Crew boat Position: 276° / 3,288 m Dir: South	1 vessel
G 0 1 3	25	16:38:00 PST SV	0:38; 2/3/2009-GMT not determined Position: 274° / 2,094 m Dir: East	1 vessel

Feb 03 Day 2 of 105

Quality CCvr Bft Vis

G 0 1 3	01	9:20:00 PST SO	17:20-GMT El Southern Sea otter Position: 187° / 159 m Dir: Stationary; Behavior: with gull(s) • in surf zone • Diving	Total 1 — 0 Pups at sighting
G 0 1 3	02	9:33:00 PST SV	17:33-GMT Research vessel Julie Ann Position: 255° / 871 m Dir: East	1 vessel
G 0 1 3	03	9:43:00 PST SC	17:43-GMT D sp Common dolphin species Position: 147° / 2,872 m Dir: North; Behavior: Moderate travel	Total 400 — 0 Calves at sighting
G 0 1 3	04	10:12:00 PST SO	18:12-GMT El Southern Sea otter Position: 122° / 205 m Dir: Stationary; Behavior: in kelp • Diving	Total 1 — 0 Pups at sighting
G 0 1 3	05	10:13:00 PST SV	18:13-GMT Oil services Crew boat Position: 250° / 2,553 m Dir: South	1 vessel
G 0 1 3	06	10:26:00 PST SO	18:26-GMT El Southern Sea otter Position: 110° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 2 — 0 Pups at sighting
G 0 1 3	07	10:32:00 PST SV	18:32-GMT Oil services Crew boat Position: 283° / 2,553 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type			
Void 08	PST void	8:-GMT			
Void 09	PST void	8:-GMT			
Void 10	PST void	8:-GMT			
G 0 0 3	11 13:09:00 PST SV	21:09-GMT Fish-trap-commercial Lobster Position: 200° / 551 m Dir: East		1 vessel	
G 0 0 3	12 13:13:00 PST S	21:13-GMT Er Gray whale (northbound) Position: 233° / 840 m Dir: West; Behavior: Slow travel • Fluke		Total 1 — 0 Calves at sighting	
G 0 0 3	13 14:27:00 PST SV	22:27-GMT Fish-trap-commercial Lobster Position: 239° / 840 m Dir: East		1 vessel	
G 0 0 3	14 14:34:00 PST SV	22:34-GMT Oil services Crew boat Position: 274° / 3,288 m Dir: South		1 vessel	
G 0 0 3	15 14:56:00 PST SV	22:56-GMT Fish-commercial Gregor Position: 120° / 212 m Dir: Stationary		1 vessel	
G 0 0 3	16 15:16:00 PST SC	23:16-GMT Tt Bottlenose dolphin Position: 130° / 675 m Dir: West; Behavior: Slow travel		Total 2 — 0 Calves at sighting	
G 0 2 3	17 16:54:00 PST S	0:54; 2/4/2009-GMT Er Gray whale (northbound) Position: 148° / 812 m Dir: West; Behavior: Slow travel • Fluke		Total 1 — 0 Calves at sighting	
Feb 04 Day 3 of 105					
Quality	CCvr	Bft	Vis		
G 30	2	3		01 9:39:00 PST S	17:39-GMT Er Gray whale (northbound) Position: 183° / 1,369 m Dir: West; Behavior: Slow travel • Fluke Total 1 — 0 Calves at sighting
G 30	2	3		02 9:57:00 PST SV	17:57-GMT Fish-commercial Position: 204° / 2,094 m Dir: West 1 vessel
G 65	2	3		03 10:36:00 PST SV	18:36-GMT Whale watching Condor Express Position: 151° / 1,546 m Dir: West 1 vessel
G 65	2	3		04 10:41:00 PST SC	18:41-GMT Tt Bottlenose dolphin Position: 205° / 607 m Dir: East; Behavior: Slow travel Total 3 — 1 Calf at sighting
G 65	2	3		05 10:55:00 PST SO	18:55-GMT El Southern Sea otter Position: 131° / 378 m Dir: West; Behavior: in kelp • Swimming Total 1 — 0 Pups at sighting
G 65	2	3		06 11:14:00 PST SV	19:14-GMT Oil services Crew boat Position: 275° / 3,288 m Dir: South 1 vessel
G 55	2	3		07 11:37:00 PST SO	19:37-GMT El Southern Sea otter Position: 113° / 812 m Dir: Stationary; Behavior: Diving • with gull(s) Total 1 — 0 Pups at sighting
G 55	2	3		08 11:37:00 PST SO	19:37-GMT El Southern Sea otter Position: 114° / 1,369 m Dir: Stationary; Behavior: in kelp Total 2 — 0 Pups at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
G 55 2 3	09	11:43:00 PST	19:43-GMT SO El Southern Sea otter Position: 117° / 1,228 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting
G 10 2 3	10	11:45:00 PST	19:45-GMT SV Fish-commercial Lady Olga Position: 159° / 1,546 m Dir: West	1 vessel
G 10 2 3	11	12:21:00 PST	20:21-GMT SC Gg Risso's dolphin Position: 235° / 2,872 m Dir: West; Behavior: Slow travel	Total 14 — 0 Calves at sighting
G 60 2 3	12	13:57:00 PST	21:57-GMT SC Tt Bottlenose dolphin Position: 224° / 356 m Dir: East; Behavior: Slow travel	Total 5 — 0 Calves at sighting
G 10 2 3	12	12:28:00 PST	20:28-GMT SV Dive-research UCSB Position: 239° / 551 m Dir: East	1 vessel
G 60 2 3	14	14:00:00 PST	22:00-GMT SV not determined Position: 129° / 1,228 m Dir: West	1 vessel
F 90 2 3	15	15:23:00 PST	23:23-GMT SC ULW unidentified large whale Position: 192° / 505 m Dir: nd; Behavior: not indicated	Total 1 — 0 Calves at sighting
F 90 2 3	16	15:40:00 PST	23:40-GMT SC Er Gray whale (southbound) Position: 261° / 551 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 90 2 3	17	16:09:00 PST	0:09; 2/5/2009-GMT SC Tt Bottlenose dolphin Position: 256° / 378 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
F 90 2 3	18	16:16:00 PST	0:16; 2/5/2009-GMT SC Tt Bottlenose dolphin Position: 223° / 346 m Dir: West; Behavior: Slow travel	Total 4 — 1 Calf at sighting
F 90 2 3	19	16:26:00 PST	0:26; 2/5/2009-GMT SC Tt Bottlenose dolphin Position: 227° / 551 m Dir: Stationary; Behavior: Milling	Total 5 — 0 Calves at sighting
F 90 2 3	20	16:43:00 PST	0:43; 2/5/2009-GMT SC Tt Bottlenose dolphin Position: 194° / 327 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 90 2 3	21	16:44:00 PST	0:44; 2/5/2009-GMT SC ULW unidentified large whale Position: 150° / 3,288 m Dir: ni; Behavior: not indicated	Total 1 — 0 Calves at sighting
F 90 2 3	22	16:54:00 PST	0:54; 2/5/2009-GMT SC Tt Bottlenose dolphin Position: 249° / 551 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 90 2 3	23	16:58:00 PST	0:58; 2/5/2009-GMT S Er Gray whale (northbound) Position: 148° / 1,546 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
Feb 06 Day 5 of 105				
	Quality	CCvr	BR	Vis
F 95 3 3	01	9:31:00 PST	17:31-GMT SV Oil services Crew boat Position: 255° / 2,872 m Dir: South	1 vessel
F 95 3 3	02	9:43:00 PST	17:43-GMT SO El Southern Sea otter Position: 125° / 623 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 95 3 3	03	9:47:00 PST	17:47-GMT SO El Southern Sea otter Position: 108° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting

2009 All Sighting Numbers, Raw

	Quality	CCvr	Bft	Vis	Number	Time Code	Species / Vessel Type	
F	95	3	3		04	10:04:00 PST SC	18:04-GMT Tt Bottlenose dolphin Position: 129° / 378 m Dir: East; Behavior: Slow travel	Total 5 — 0 Calves at sighting
F	95	3	3		05	10:38:00 PST SO	18:38-GMT El Southern Sea otter Position: 224° / 378 m Dir: Stationary; Behavior: in kelp • Diving	Total 1 — 0 Pups at sighting
Feb 08 Day 7 of 105								
F	75	0	3		01	9:00:00 PST SV	17:00-GMT Oil services Barge+Tug Jovalan Position: 223° / 1,019 m Dir: Stationary	1 vessel
F	75	0	3		02	9:21:00 PST SV	17:21-GMT Sportfish-private Position: 114° / 2,094 m Dir: West	1 vessel
F	75	0	3		03	9:23:00 PST SV	17:23-GMT Oil services Crew boat Position: 270° / 3,288 m Dir: East	1 vessel
P	85	4	2		04	9:45:00 PST SO	17:45-GMT El Southern Sea otter Position: 107° / 1,369 m Dir: Stationary; Behavior: in kelp • Interacting	Total 4 — 0 Pups at sighting
P	85	4	2		05	9:53:00 PST SV	17:53-GMT Fish-trap-commercial Lobster Position: 106° / 2,553 m Dir: West	1 vessel
P	85	4	2		06	10:09:00 PST SV	18:09-GMT Oil services Observation vessel Position: 106° / 2,553 m Dir: West	1 vessel
P	85	4	2		07	10:41:00 PST SV	18:41-GMT Whale watching Condor Express Position: 107° / 2,094 m Dir: West	1 vessel
P	85	3	2		08	11:13:00 PST SV	19:13-GMT Fish-commercial Net Position: 109° / 3,288 m Dir: West	1 vessel
P	85	3	2		09	11:26:00 PST SV	19:26-GMT Fish-trap-commercial Lobster Position: 229° / 2,553 m Dir: East	1 vessel
P	85	3	2		10	11:30:00 PST SV	19:30-GMT Jet ski Position: 159° / 232 m Dir: West	2 vessels
P	85	3	2		11	11:35:00 PST SC	19:35-GMT Er Gray whale (southbound) Position: 215° / 2,094 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	85	3	2		12	12:03:00 PST SV	20:03-GMT Fish-commercial Position: 225° / 3,288 m Dir: East	1 vessel
F	40	4	2		13	13:26:00 PST S	21:26-GMT Er Gray whale (northbound) Position: 124° / 840 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	60	5	1.7	Off-Effort	14	14:52:00 PST S	22:52-GMT Er Gray whale (northbound) Position: 192° / 2,094 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	75	4	1.7		15	16:22:00 PST SV	0:22; 2/9/2009-GMT Oil services Crew boat Position: 165° / 2,872 m Dir: West	1 vessel
P	75	5	1.7	Off-Effort	16	16:40:00 PST SV	0:40; 2/9/2009-GMT Fish-trap-commercial Lobster Sea Fever Position: 149° / 840 m Dir: East	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time	Species / Vessel Type	
					Code		
P	75	5	1.7	Off-Effort 17	16:42:00 PST	0:42; 2/9/2009-GMT SV Oil services Crew boat Position: 274° / 3,288 m Dir: South	1 vessel
P	75	5	1.7	Off-Effort 18	16:43:00 PST	0:43; 2/9/2009-GMT SV Sportfish-private Position: 260° / 1,369 m Dir: East	1 vessel
Feb 10 Day 9 of 105							
	Quality	CCvr	BR	Vis			
G	0	0	0	3	01 9:00:00 PST	17:00-GMT SO El Southern Sea otter Position: 113° / 812 m Dir.; Behavior: with gull(s) • in kelp	Total 2 — 0 Pups at sighting
G	0	0	0	3	02 9:11:00 PST	17:11-GMT SV Oil services Crew boat Position: 284° / 3,288 m Dir: North	1 vessel
G	0	0	0	3	03 9:15:00 PST	17:15-GMT SO El Southern Sea otter Position: 135° / 449 m Dir: East; Behavior: in open water • Swimming • with gull(s)	Total 1 — 0 Pups at sighting
G	0	0	0	3	04 9:18:00 PST	17:18-GMT SC Tt Bottlenose dolphin Position: 112° / 639 m Dir: West; Behavior: Milling	Total 2 — 0 Calves at sighting
G	0	1	1	3	05 10:13:00 PST	18:13-GMT SO El Southern Sea otter Position: 114° / 939 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 3 — 0 Pups at sighting
G	0	1	1	3	06 10:13:00 PST	18:13-GMT SO El Southern Sea otter Position: 113° / 871 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
G	0	1	1	3	07 10:13:00 PST	18:13-GMT SO El Southern Sea otter Position: 115° / 1,113 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
G	0	1	1	3	08 10:26:00 PST	18:26-GMT SV Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel
G	0	2	2	3	09 10:41:00 PST	18:41-GMT SC Tt Bottlenose dolphin Position: 118° / 1,778 m Dir: Stationary; Behavior: Milling	Total 4 — 0 Calves at sighting
G	0	3	3	3	10 10:58:00 PST	18:58-GMT SC Tt Bottlenose dolphin Position: 222° / 639 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G	0	3	3	3	11 11:08:00 PST	19:08-GMT SV Dive-research Position: 222° / 2,872 m Dir: East	1 vessel
G	0	3	3	3	12 11:29:00 PST	19:29-GMT SC Er Gray whale (southbound) Position: 208° / 2,094 m Dir: East; Behavior: Slow travel • Fluke	Total 3 — 0 Calves at sighting
G	0	3	3	3	13 11:39:00 PST	19:39-GMT SV Oil services Crew boat Position: 285° / 3,288 m Dir: South	1 vessel
P	20	5	2	Off-Effort 14	14:37:00 PST	22:37-GMT SV Oil services Crew boat Position: 256° / 3,288 m Dir: South	1 vessel
Feb 11 Day 10 of 105							
	Quality	CCvr	BR	Vis			
F	95	1	1	2	01 9:01:00 PST	17:01-GMT SV Private Position: 209° / 1,019 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 95	1 2	02 9:03:00 PST SV	17:03-GMT Kelp harvester Position: 97° / 2,094 m Dir: Stationary	1 vessel
F 95	1 2	03 9:14:00 PST SO	17:14-GMT El Southern Sea otter Position: 225° / 327 m Dir: West; Behavior: with gull(s) • on back, feeding	Total 1 — 0 Pups at sighting
F 95	1 2	04 9:16:00 PST SV	17:16-GMT Oil services Crew boat Position: 267° / 3,288 m Dir: South	1 vessel
F 95	1 2	05 9:25:00 PST SO	17:25-GMT El Southern Sea otter Position: 116° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting • Grooming	Total 1 — 0 Pups at sighting
F 95	1 2	06 10:23:00 PST SO	18:23-GMT El Southern Sea otter Position: 110° / 871 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting
F 95	1 2	07 10:28:00 PST SV	18:28-GMT Oil services Position: 286° / 3,288 m Dir: South	1 vessel
F 95	1 2	08 10:37:00 PST SC	18:37-GMT Tt Bottlenose dolphin Position: 118° / 639 m Dir: West; Behavior: Slow travel	Total 12 — 0 Calves at sighting
F 100	2 2	09 11:24:00 PST SC	19:24-GMT Tt Bottlenose dolphin Position: 136° / 871 m Dir: West; Behavior: not indicated	Total 2 — 0 Calves at sighting
P 100	2 1.7	10 12:07:00 PST SV	20:07-GMT Dive-research UCSB Position: 112° / 1,778 m Dir: West	1 vessel
F 100	0 2	11 13:29:00 PST SV	21:29-GMT Oil services Crew boat Position: 238° / 2,553 m Dir: Stationary	1 vessel
F 100	0 2	12 13:30:00 PST SV	21:30-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 224° / 600 m Dir: East	1 vessel
F 100	0 2	13 13:35:00 PST SC	21:35-GMT Tt Bottlenose dolphin Position: 155° / 761 m Dir: West; Behavior: Slow travel	Total 7 — 0 Calves at sighting
F 100	0 2	14 13:50:00 PST SV	21:50-GMT Fish-commercial Net Tytan Position: 276° / 2,872 m Dir: East	1 vessel
P 100	0 1.7	15 14:17:00 PST S	22:17-GMT Er Gray whale (northbound) Position: 208° / 1,019 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 50	0 2	16 14:47:00 PST SV	22:47-GMT Fish-trap-commercial Lobster Position: 241° / 2,094 m Dir: East	1 vessel
F 20	0 2	17 15:09:00 PST SO	23:09-GMT El Southern Sea otter Position: 126° / 242 m Dir: East; Behavior: in kelp • Diving	Total 1 — 0 Pups at sighting
F 20	0 2	18 15:10:00 PST SO	23:10-GMT El Southern Sea otter Position: 195° / 201 m Dir: Stationary; Behavior: in kelp • in surf zone • Diving	Total 1 — 0 Pups at sighting
F 20	0 2	18 15:17:00 PST SO	23:17-GMT El Southern Sea otter Position: 113° / 1,228 m Dir: Stationary; Behavior: Diving • on back, resting	Total 1 — 0 Pups at sighting
F 20	0 2	20 15:19:00 PST SC	23:19-GMT Mn Humpback whale Position: 209° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	Total 3 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type			
F	20	0	2	21	15:21:00 PST	23:21-GMT SV Fish-trap-commercial Lobster Position: 190° / 485 m Dir: East	1 vessel		
F	20	0	2	22	15:32:00 PST	23:32-GMT S Er Gray whale (northbound) Position: 184° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves	at sighting	
F	20	0	2	23	15:46:00 PST	23:46-GMT SC Lo Pacific White-sided dolphin Position: 204° / 1,546 m Dir: East; Behavior: not indicated	Total 4 — 0 Calves	at sighting	
F	20	0	2	24	16:27:00 PST	0:27; 2/12/2009-GMT SC D sp Common dolphin species Position: 187° / 3,288 m Dir: West; Behavior: Fast travel	Total 1000 — 0 Calves	at sighting	
F	20	0	2	25	16:34:00 PST	0:34; 2/12/2009-GMT S Er Gray whale (northbound) Position: 183° / 2,094 m Dir: West; Behavior: Slow travel • Rolling	Total 2 — 0 Calves	at sighting	
Feb 14 Day 13 of 105									
	Quality	CCvr	BR	Vis					
F	30	2	2	01	9:00:00 PST	17:00-GMT S Er Gray whale (northbound) Position: 110° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves	at sighting	
F	30	2	2	02	9:06:00 PST	17:06-GMT SO El Southern Sea otter Position: 114° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 3 — 0 Pups	at sighting	
F	30	2	2	03	9:14:00 PST	17:14-GMT SO El Southern Sea otter Position: 107° / 939 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups	at sighting	
F	50	2	2	04	10:26:00 PST	18:26-GMT SV Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel		
F	50	2	2	05	10:28:00 PST	18:28-GMT SV Oil services Crew boat Position: 269° / 3,288 m Dir: North	1 vessel		
F	50	2	2	06	10:39:00 PST	18:39-GMT SV Whale watching Condor Express Position: 119° / 3,288 m Dir: West	1 vessel		
F	50	2	2	07	10:50:00 PST	18:50-GMT SC Tt Bottlenose dolphin Position: 142° / 449 m Dir: East; Behavior: Slow travel	Total 4 — 0 Calves	at sighting	
G	5	2	3	08	12:19:00 PST	20:19-GMT SO El Southern Sea otter Position: 166° / 228 m Dir: East; Behavior: in surf zone • Swimming • Diving	Total 1 — 0 Pups	at sighting	
G	5	2	3	09	12:32:00 PST	20:32-GMT SC Tt Bottlenose dolphin Position: 124° / 639 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves	at sighting	
G	5	2	3	10	12:43:00 PST	20:43-GMT SC Tt Bottlenose dolphin Position: 140° / 466 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves	at sighting	
G	5	2	3	11	13:17:00 PST	21:17-GMT SV Oil services Crew boat Position: 259° / 3,288 m Dir: ni	1 vessel		
G	20	0	2	12	15:52:00 PST	23:52-GMT SO El Southern Sea otter Position: 153° / 295 m Dir: Stationary; Behavior: in surf zone • Diving	Total 1 — 0 Pups	at sighting	
F	5	0	2	13	16:34:00 PST	0:34; 2/15/2009-GMT SC Tt Bottlenose dolphin Position: 221° / 378 m Dir: Stationary; Behavior: Slow travel • Milling	Total 5 — 0 Calves	at sighting	

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 5 0 2	14	16:35:00 PST SC	0:35; 2/15/2009-GMT Tt Bottlenose dolphin Position: 224° / 367 m Dir: North; Behavior: Slow travel • Milling	Total 7 — 0 Calves at sighting
F 5 0 2	15	16:48:00 PST SC	0:48; 2/15/2009-GMT Tt Bottlenose dolphin Position: 259° / 675 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 5 0 2	16	16:56:00 PST SV	0:56; 2/15/2009-GMT Fish-trap-commercial Lobster Position: 271° / 2,872 m Dir: East	1 vessel

Feb 15 Day 14 of 105

Quality CCvr Bft Vts

P 50 5 1.7	Off-Effort 01	9:00:00 PST S	17:00-GMT Er Gray whale (northbound) Position: 138° / 485 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 50 5 1.7	Off-Effort 02	9:25:00 PST SO	17:25-GMT El Southern Sea otter Position: 113° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 50 5 1.7	Off-Effort 03	9:26:00 PST SO	17:26-GMT El Southern Sea otter Position: 110° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 50 5 1.7	Off-Effort 04	10:21:00 PST SV	18:21-GMT Whale watching Condor Express Position: 236° / 2,872 m Dir: West	1 vessel
P 50 5 1.7	Off-Effort 05	10:33:00 PST SO	18:33-GMT El Southern Sea otter Position: 104° / 551 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 2 — 0 Pups at sighting

Feb 16 Day 15 of 105

Quality CCvr Bft Vts

F 75 2 2	01	13:00:00 PST SV	21:00-GMT Oil services Crew boat Position: 232° / 2,872 m Dir: Stationary	1 vessel
F 75 2 2	02	13:01:00 PST SO	21:01-GMT El Southern Sea otter Position: 112° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 75 2 2	03	13:06:00 PST SO	21:06-GMT El Southern Sea otter Position: 109° / 1,113 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 75 2 2	04	13:14:00 PST SV	21:14-GMT Oil services Crew boat Position: 285° / 3,288 m Dir: South	1 vessel
F 95 3 2	05	14:09:00 PST SV	22:09-GMT Oil services Crew boat Position: 285° / 3,288 m Dir: South	1 vessel
F 95 3 2	06	14:40:00 PST SV	22:40-GMT Oil services Crew boat Position: 280° / 3,288 m Dir: South	1 vessel
F 70 4 2	07	15:19:00 PST SO	23:19-GMT El Southern Sea otter Position: 96° / 1,228 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 70 4 2	08	15:22:00 PST SO	23:22-GMT El Southern Sea otter Position: 121° / 404 m Dir: South; Behavior: in surf zone • with gull(s) • on back, feeding	Total 1 — 0 Pups at sighting

2009 All Sighting Numbers, Raw

				Number	Time	Species / Vessel Type		
					Code			
Feb 17 Day 16 of 105								
Quality	CCvr	BR	Vis					
F	80	2	3	01	9:03:00 PST	17:03-GMT El Southern Sea otter	Total 1 — 0 Pups at sighting	
				SO		Position: 123° / 607 m Dir: Stationary; Behavior: in kelp • with gull(s) • on back, feeding		
F	80	2	3	02	9:06:00 PST	17:06-GMT El Southern Sea otter	Total 4 — 0 Pups at sighting	
				SO		Position: 116° / 675 m Dir: Stationary; Behavior: in kelp • on back, feeding		
F	80	2	3	03	9:08:00 PST	17:08-GMT Oil services Crew boat	1 vessel	
				SV		Position: 241° / 2,872 m Dir: South		
F	80	2	3	04	9:14:00 PST	17:14-GMT Oil services Crew boat	1 vessel	
				SV		Position: 281° / 3,288 m Dir: North		
F	80	2	3	05	9:30:00 PST	17:30-GMT El Southern Sea otter	Total 1 — 0 Pups at sighting	
				SO		Position: 229° / 257 m Dir: Stationary; Behavior: in kelp • on back, feeding • with gull(s)		
F	80	2	3	06	9:35:00 PST	17:35-GMT not determined Casey III	1 vessel	
				SV		Position: 104° / 2,872 m Dir: West		
F	80	3	3	07	10:06:00 PST	18:06-GMT Er Gray whale (northbound)	Total 1 — 0 Calves at sighting	
				S		Position: 168° / 1,019 m Dir: West; Behavior: Slow travel		
F	80	3	3	08	10:41:00 PST	18:41-GMT Oil services Crew boat	1 vessel	
				SV		Position: 270° / 3,288 m Dir: South		
F	80	3	3	09	10:41:00 PST	18:41-GMT Er Gray whale (northbound)	Total 1 — 0 Calves at sighting	
				S		Position: 131° / 715 m Dir: West; Behavior: Slow travel		
F	90	3	3	10	12:13:00 PST	20:13-GMT Oil services Crew boat	1 vessel	
				SV		Position: 261° / 3,288 m Dir: South		
F	90	3	3	11	12:14:00 PST	20:14-GMT Oil services Crew boat	1 vessel	
				SV		Position: 266° / 3,288 m Dir: North		
F	90	4	3	12	12:28:00 PST	20:28-GMT Er Gray whale (northbound)	Total 5 — 0 Calves at sighting	
				S		Position: 153° / 1,228 m Dir: West; Behavior: Slow travel		
G	40	2	3	13	14:06:00 PST	22:06-GMT Oil services Crew boat	1 vessel	
				SV		Position: 179° / 2,872 m Dir: West		
G	40	2	3	14	14:09:00 PST	22:09-GMT Oil services Crew boat	1 vessel	
				SV		Position: 259° / 3,288 m Dir: South		
G	60	3	3	15	16:10:00 PST	0:10; 2/18/2009-GMT Helicopter SBOP (Silver + Blue with Orange on	1 vessel	
				SV		Position: 134° / 400 m Dir: West		
G	60	3	3	16	16:21:00 PST	0:21; 2/18/2009-GMT Oil services Crew boat	1 vessel	
				SV		Position: 266° / 3,288 m Dir: South		

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Quality CCvr BR Vis

G	5	0	2	01	9:00:00 PST	17:00-GMT El Southern Sea otter	Total 1 — 0 Pups at sighting	
				SO		Position: 237° / 257 m Dir: Stationary; Behavior: in kelp • on back, resting		

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
G 5 0 2	02 9:12:00 PST SO	17:12-GMT El Southern Sea otter Position: 134° / 551 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
G 5 0 2	03 9:12:00 PST SC	17:12-GMT Tt Bottlenose dolphin Position: 104° / 1,019 m Dir: Stationary; Behavior: Milling	Total 3 — 0 Calves at sighting
G 5 0 2	04 9:16:00 PST SV	17:16-GMT Fish-trap-commercial Lobster Sea Fever Position: 105° / 2,872 m Dir: West	1 vessel
G 5 0 2	05 9:18:00 PST SV	17:18-GMT Oil services Crew boat Position: 264° / 2,872 m Dir: South	1 vessel
G 5 0 2	06 9:20:00 PST SV	17:20-GMT Dive-research UCSB Position: 254° / 2,553 m Dir: East	1 vessel
G 5 0 2	07 9:22:00 PST SO	17:22-GMT El Southern Sea otter Position: 113° / 715 m Dir: West; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
G 5 0 2	08 9:23:00 PST SO	17:23-GMT El Southern Sea otter Position: 112° / 1,228 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
G 5 0 2	09 9:33:00 PST SC	17:33-GMT Tt Bottlenose dolphin Position: 116° / 1,369 m Dir: West; Behavior: Slow travel	Total 4 — 1 Calf at sighting
G 5 0 2	10 9:38:00 PST SV	17:38-GMT Oil services Crew boat Position: 270° / 2,872 m Dir: North	1 vessel
G 5 0 2	11 9:43:00 PST SV	17:43-GMT Fish-trap-commercial Lobster Position: 101° / 2,872 m Dir: West	1 vessel
G 5 0 2	12 9:48:00 PST SV	17:48-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 10 m Dir: East	1 vessel
G 5 0 2	13 9:54:00 PST SC	17:54-GMT Tt Bottlenose dolphin Position: 149° / 449 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 5 0 3	14 9:56:00 PST SV	17:56-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 400 m Dir: West	1 vessel
G 5 0 3	15 10:06:00 PST SV	18:06-GMT Fish-trap-commercial Lobster Position: 106° / 2,872 m Dir: West	1 vessel
G 5 0 3	16 10:08:00 PST SV	18:08-GMT Dive-research UCSB Position: 100° / 2,872 m Dir: Stationary	1 vessel
G 5 1 3	17 10:32:00 PST SV	18:32-GMT Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel
G 5 1 3	18 10:33:00 PST SC	18:33-GMT Tt Bottlenose dolphin Position: 116° / 871 m Dir: West; Behavior: Slow travel • Milling	Total 9 — 1 Calf at sighting
G 5 1 3	19 10:56:00 PST SO	18:56-GMT El Southern Sea otter Position: 113° / 871 m Dir: Stationary; Behavior: in kelp • Grooming	Total 1 — 0 Pups at sighting
G 5 1 3	20 11:02:00 PST SV	19:02-GMT Oil services Crew boat Position: 281° / 3,288 m Dir: North	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
G 5 1 3	21	11:09:00 PST	19:09-GMT S Er Gray whale (northbound) Position: 112° / 3,288 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
G 5 1 3	22	11:33:00 PST	19:33-GMT SV Fish-commercial Position: 241° / 1,546 m Dir: East	1 vessel
G 5 1 3	23	11:35:00 PST	19:35-GMT S Er Gray whale (northbound) Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting • Fluke
G 5 1 3	24	11:42:00 PST	19:42-GMT SV not determined Position: 114° / 2,872 m Dir: West	1 vessel
G 5 1 3	25	12:21:00 PST	20:21-GMT SC Tt Bottlenose dolphin Position: 146° / 639 m Dir: West; Behavior: Slow travel	Total 5 — 1 Calf at sighting
G 5 1 3	26	12:42:00 PST	20:42-GMT SV Whale watching Condor Express Position: 118° / 2,872 m Dir: West	1 vessel
G 5 1 3	27	12:43:00 PST	20:43-GMT SV Helicopter Position: 134° / 300 m Dir: West	1 vessel
G 5 1 3	28	13:20:00 PST	21:20-GMT SV Oil services Crew boat Position: 279° / 3,288 m Dir: South	1 vessel
G 5 1 3	29	13:33:00 PST	21:33-GMT SC Tt Bottlenose dolphin Position: 224° / 761 m Dir: East; Behavior: not indicated	Total 3 — 0 Calves at sighting
G 5 1 3	30	13:34:00 PST	21:34-GMT SO El Southern Sea otter Position: 230° / 607 m Dir: Stationary; Behavior: not indicated	Total 1 — 0 Pups at sighting
G 5 1 3	31	13:41:00 PST	21:41-GMT SC Tt Bottlenose dolphin Position: 237° / 527 m Dir: East; Behavior: Milling	Total 7 — 1 Calf at sighting
G 5 1 3	32	13:49:00 PST	21:49-GMT SO El Southern Sea otter Position: 137° / 466 m Dir: West; Behavior: Swimming	Total 1 — 0 Pups at sighting • in open water
G 5 1 3	33	13:54:00 PST	21:54-GMT SC Tt Bottlenose dolphin Position: 239° / 715 m Dir: Stationary; Behavior: not indicated	Total 2 — 0 Calves at sighting
G 5 1 3	34	14:12:00 PST	22:12-GMT SC Tt Bottlenose dolphin Position: 139° / 715 m Dir: West; Behavior: Moderate travel	Total 4 — 1 Calf at sighting
G 5 1 3	35	14:25:00 PST	22:25-GMT S Er Gray whale (northbound) Position: 228° / 3,288 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting • Breach • Fluke
G 5 1 3	36	14:45:00 PST	22:45-GMT SC Tt Bottlenose dolphin Position: 177° / 715 m Dir: East; Behavior: Moderate travel	Total 4 — 2 Calves at sighting
G 5 1 3	37	14:54:00 PST	22:54-GMT S Er Gray whale (northbound) Position: 206° / 1,019 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
G 5 1 3	38	15:07:00 PST	23:07-GMT SO El Southern Sea otter Position: 253° / 318 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting • on back, resting
G 5 1 3	39	15:17:00 PST	23:17-GMT SV Blimp MetLife Position: 149° / 20 m Dir: East	Images: 9092-9102 1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type	
G	5	1	3	40	15:28:00 PST SO	23:28-GMT El Southern Sea otter Position: 174° / 220 m Dir: Stationary; Behavior: Diving • in open water	Total 1 — 0 Pups at sighting
G	5	1	3	41	15:53:00 PST SV	23:53-GMT Oil services Crew boat Position: 249° / 3,288 m Dir: East	1 vessel
G	0	1	3	42	16:31:00 PST SV	0:31; 2/19/2009-GMT Oil services Crew boat Position: 275° / 3,288 m Dir: North	1 vessel
G	0	1	3	43	16:38:00 PST SO	0:38; 2/19/2009-GMT El Southern Sea otter Position: 186° / 247 m Dir: West; Behavior: Swimming • in open water	Total 1 — 0 Pups at sighting
G	0	1	3	44	16:40:00 PST SV	0:40; 2/19/2009-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 400 m Dir: West	1 vessel
G	0	1	3	45	16:43:00 PST SC	0:43; 2/19/2009-GMT Er Gray whale (southbound) Position: 117° / 1,228 m Dir: Stationary; Behavior: not indicated	Total 1 — 0 Calves at sighting
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Feb 19				Day 18 of 105			
Quality	CCvr	Bft	Vis				
F	0	1	2	01	9:01:00 PST SC	17:01-GMT Tt Bottlenose dolphin Position: 178° / 433 m Dir: West; Behavior: Slow travel	Total 8 — 1 Calf at sighting
F	0	1	2	02	9:06:00 PST SV	17:06-GMT Oil services Crew boat Position: 233° / 2,553 m Dir: Stationary	1 vessel
F	0	1	2	03	9:08:00 PST SO	17:08-GMT El Southern Sea otter Position: 202° / 257 m Dir: Stationary; Behavior: in open water • with gull(s) • Diving	Total 1 — 0 Pups at sighting
F	0	1	2	04	9:11:00 PST SO	17:11-GMT El Southern Sea otter Position: 114° / 1,019 m Dir: Stationary; Behavior: in kelp • Interacting	Total 2 — 0 Pups at sighting
F	0	2	2	05	9:13:00 PST SV	17:13-GMT Oil services Crew boat Position: 272° / 2,872 m Dir: North	1 vessel
F	0	2	2	06	9:24:00 PST SV	17:24-GMT Oil services Crew boat Position: 272° / 2,872 m Dir: South	1 vessel
F	0	2	2	07	9:31:00 PST SV	17:31-GMT Fish-trap-commercial Position: 105° / 2,872 m Dir: West	1 vessel
F	0	2	2	08	9:42:00 PST SC	17:42-GMT D sp Common dolphin species Position: 212° / 3,288 m Dir: Stationary; Behavior: Milling • Slow travel	Total 1000 — 0 Calves at sighting
F	0	2	3	09	9:52:00 PST S	17:52-GMT Er Gray whale (northbound) Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	0	2	3	10	10:17:00 PST SV	18:17-GMT Dive-commercial Position: 121° / 1,113 m Dir: West	1 vessel
F	0	1	3	11	10:30:00 PST SV	18:30-GMT Fish-commercial Position: 265° / 812 m Dir: West	1 vessel
F	0	1	3	12	10:55:00 PST SV	18:55-GMT Private Position: 109° / 2,872 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 0 2 3	13	12:00:00 PST	20:00-GMT SV Oil services Crew boat Position: 254° / 2,872 m Dir: South	1 vessel
F 0 2 3	14	12:14:00 PST	20:14-GMT SC Er Gray whale (southbound) Position: 186° / 1,369 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 2 3	15	12:38:00 PST	20:38-GMT SC Tt Bottlenose dolphin Position: 152° / 404 m Dir: West; Behavior: Slow travel	Total 7 — 1 Calf at sighting
F 0 2 3	16	12:46:00 PST	20:46-GMT SC Er Gray whale (southbound) Position: 191° / 505 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 2 3	17	12:53:00 PST	20:53-GMT SV Whale watching Condor Express Position: 121° / 2,553 m Dir: West	1 vessel
G 0 2 3	18	14:01:00 PST	22:01-GMT SV Fish-trap-commercial Lobster Position: 261° / 1,228 m Dir: East	1 vessel
G 0 2 3	19	14:27:00 PST	22:27-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 250° / 551 m Dir: East	1 vessel
G 0 2 3	20	14:39:00 PST	22:39-GMT S Er Gray whale (northbound) Position: 206° / 639 m Dir: West; Behavior: Slow travel • Fluke	Total 3 — 0 Calves at sighting
G 0 2 3	21	15:30:00 PST	23:30-GMT SV Oil services Crew boat Position: 275° / 3,288 m Dir: South	1 vessel
F 0 3 3	22	15:47:00 PST	23:47-GMT SC ULW unidentified large whale Position: 219° / 1,778 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 3 3	23	16:30:00 PST	0:30; 2/20/2009-GMT SV Fish-commercial New Hazard Position: 254° / 2,553 m Dir: East	1 vessel
F 0 3 3	24	16:45:00 PST	0:45; 2/20/2009-GMT SC Tt Bottlenose dolphin Position: 167° / 433 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting

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Quality	CCvr	Bft	Vis	Number	Time Code	Species / Vessel Type	
P	60	0	2	01	8:56:00 PST	16:56-GMT S Er Gray whale (northbound) Position: 143° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting
P	60	0	2	02	9:05:00 PST	17:05-GMT SV Fish-trap-commercial Position: 124° / 1,369 m Dir: East	1 vessel
P	60	0	2	03	9:48:00 PST	17:48-GMT SC D sp Common dolphin species Position: 239° / 4,712 m Dir: Stationary; Behavior: Milling	Total 1000 — 0 Calves at sighting
P	60	0	2	04	9:53:00 PST	17:53-GMT SV Sportfish-private Position: 191° / 466 m Dir: South	1 vessel
P	60	0	2	05	9:56:00 PST	17:56-GMT SV Kayak/canoe (beyond kelp) Position: 155° / 551 m Dir: Stationary	1 vessel
P	60	0	2	06	10:01:00 PST	18:01-GMT SO El Southern Sea otter Position: 220° / 449 m Dir: Stationary; Behavior: on back, feeding	Total 1 — 0 Pups at sighting

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
P 60 0 2	07 10:11:00 PST SV	18:11-GMT Oil services Crew boat Position: 269° / 3,288 m Dir: South	1 vessel
P 60 0 2	08 10:12:00 PST S	18:12-GMT Er Gray whale (northbound) Position: 109° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
P 60 0 2	09 10:14:00 PST SC	18:14-GMT ULW unidentified large whale Position: 127° / 3,288 m Dir: nd; Behavior: not determined	Total 1 — 0 Calves at sighting
P 60 0 2	10 10:51:00 PST SC	18:51-GMT Mn Humpback whale Position: 158° / 4,712 m Dir: Stationary; Behavior: not indicated	Total 3 — 0 Calves at sighting
P 80 0 2	11 11:10:00 PST SV	19:10-GMT Sportfish-private Position: 254° / 1,019 m Dir: East	1 vessel
P 80 0 2	12 11:22:00 PST SV	19:22-GMT Fish-trap-commercial Ocean Pearl Position: 244° / 449 m Dir: East	1 vessel
P 80 0 2	13 11:30:00 PST SV	19:30-GMT Sportfish-private Position: 224° / 639 m Dir: East	1 vessel
P 95 0 2	14 12:50:00 PST SC	20:50-GMT Mn Humpback whale Position: 128° / 4,712 m Dir: Stationary; Behavior: not indicated	Total 3 — 0 Calves at sighting
P 90 0 2	15 13:29:00 PST SV	21:29-GMT Fish-commercial Pieface Position: 185° / 715 m Dir: East	1 vessel
P 90 0 2	16 13:31:00 PST SO	21:31-GMT El Southern Sea otter Position: 158° / 1,228 m Dir: Stationary; Behavior: in open water • Grooming	Total 1 — 0 Pups at sighting
P 90 0 2	17 13:33:00 PST SO	21:33-GMT El Southern Sea otter Position: 116° / 485 m Dir: Stationary; Behavior: in kelp • Diving • with gull(s)	Total 1 — 0 Pups at sighting
P 90 0 2	18 13:36:00 PST SV	21:36-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 150 m Dir: South	1 vessel
P 90 1 2	19 13:48:00 PST S	21:48-GMT Er Gray whale (northbound) Position: 191° / 505 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
P 90 1 2	20 13:57:00 PST SV	21:57-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 500 m Dir: West	1 vessel
P 80 1 2	21 14:33:00 PST SV	22:33-GMT Oil services Crew boat Position: 264° / 2,872 m Dir: South	1 vessel
P 80 1 2	22 14:42:00 PST SO	22:42-GMT El Southern Sea otter Position: 145° / 578 m Dir: Stationary; Behavior: in open water • with gull(s) • Diving	Total 1 — 0 Pups at sighting
P 80 0 2	23 15:16:00 PST SV	23:16-GMT Fish-trap-commercial Lobster Position: 242° / 1,369 m Dir: East	1 vessel
P 80 0 2	24 15:24:00 PST S	23:24-GMT Er Gray whale (northbound) Position: 209° / 871 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 80 0 2	25 15:34:00 PST SV	23:34-GMT Oil services Crew boat Position: 261° / 2,872 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type		
P	80	0	2	26	15:38:00 PST	23:38-GMT SV Oil services Crew boat Position: 271° / 3,288 m Dir: West	1 vessel	
P	80	0	2	27	16:05:00 PST	0:05; 2/21/2009-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 300 m Dir: West	1 vessel	
P	80	0	2	28	16:24:00 PST	0:24; 2/21/2009-GMT S Er Gray whale (northbound) Position: 130° / 871 m Dir: West; Behavior: Slow travel • Rolling	Total 2 — 0 Calves at sighting	
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Feb 21		Day 20 of 105						
Quality	CCvr	BR	Vis					
P	100	1	2	01	9:01:00 PST	17:01-GMT SO El Southern Sea otter Position: 113° / 1,228 m Dir: Stationary; Behavior: on back, resting • in kelp	Total 3 — 0 Pups at sighting	
P	100	1	2	02	9:25:00 PST	17:25-GMT SV Oil services Crew boat Position: 283° / 2,094 m Dir: South	1 vessel	
P	100	1	2	03	9:37:00 PST	17:37-GMT SO El Southern Sea otter Position: 226° / 336 m Dir: Stationary; Behavior: with gull(s) • in kelp	Total 1 — 0 Pups at sighting	
P	100	1	2	04	9:38:00 PST	17:38-GMT SV Sportfish-private Position: 141° / 2,094 m Dir: West	1 vessel	
P	100	2	2	05	10:05:00 PST	18:05-GMT S Er Gray whale (northbound) Position: 150° / 4,712 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting	
P	100	2	2	06	10:13:00 PST	18:13-GMT SC Mn Humpback whale Position: 191° / 1,369 m Dir: East; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting	
P	100	2	2	07	10:34:00 PST	18:34-GMT S Er Gray whale (northbound) Position: 155° / 485 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting	
P	100	2	2	08	10:48:00 PST	18:48-GMT SC D sp Common dolphin species Position: 186° / 4,712 m Dir: East; Behavior: Moderate travel	Total 300 — 0 Calves at sighting	
P	100	2	2	09	11:11:00 PST	19:11-GMT SV Whale watching Condor Express Position: 134° / 2,553 m Dir: East	1 vessel	
P	100	2	2	10	11:15:00 PST	19:15-GMT S Er Gray whale (northbound) Position: 115° / 1,369 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting	
P	100	2	2	11	11:27:00 PST	19:27-GMT S Er Gray whale (northbound) Position: 201° / 675 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting	
P	100	2	2	12	11:50:00 PST	19:50-GMT SV Private Position: 99° / 1,369 m Dir: West	1 vessel	
P	100	2	2	13	11:46:00 PST	19:46-GMT S Er Gray whale (northbound) Position: 127° / 1,228 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting	
P	100	0	2	14	12:24:00 PST	20:24-GMT SV Sportfish-private Position: 112° / 1,228 m Dir: West	1 vessel	
P	100	0	2	15	12:31:00 PST	20:31-GMT SV Whale watching Condor Express Position: 117° / 2,094 m Dir: West	1 vessel	

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
P 100 0 2	16 12:36:00 PST SC	20:36-GMT Tt Bottlenose dolphin Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	Total 12 — 1 Calf at sighting
P 100 0 2	17 13:03:00 PST SV	21:03-GMT Whale watching Double Dolphin Position: 116° / 2,872 m Dir: West	1 vessel
P 100 0 2	18 13:05:00 PST S	21:05-GMT Er Gray whale (northbound) Position: 175° / 2,553 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 100 0 2	19 13:35:00 PST SV	21:35-GMT Private Position: 125° / 2,094 m Dir: West	1 vessel
P 100 0 2	20 13:39:00 PST SV	21:39-GMT Private Position: 268° / 1,019 m Dir: East	1 vessel
P 100 0 2	21 13:45:00 PST SV	21:45-GMT Oil services Crew boat Position: 252° / 2,872 m Dir: North	1 vessel
P 100 0 2	22 13:49:00 PST SC	21:49-GMT Tt Bottlenose dolphin Position: 124° / 551 m Dir: Stationary; Behavior: Slow travel • Milling	Total 5 — 0 Calves at sighting
P 100 0 2	23 14:02:00 PST SC	22:02-GMT Tt Bottlenose dolphin Position: 262° / 551 m Dir: East; Behavior: Slow travel	Total 5 — 1 Calf at sighting
P 100 0 2	24 14:31:00 PST SV	22:31-GMT Oil services Crew boat Position: 280° / 3,288 m Dir: South	1 vessel
P 100 0 2	25 14:41:00 PST S	22:41-GMT Er Gray whale (northbound) Position: 211° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
P 100 0 2	26 14:59:00 PST SC	22:59-GMT ULW unidentified large whale Position: 265° / 4,712 m Dir: North; Behavior: not determined	Total 1 — 0 Calves at sighting
P 100 0 2	27 15:05:00 PST SV	23:05-GMT Fish-commercial Position: 251° / 2,553 m Dir: East	1 vessel
P 100 2 2	28 16:38:00 PST SV	0:38; 2/22/2009-GMT Oil services Crew boat Position: 282° / 3,288 m Dir: South	1 vessel

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Quality CCvr Bft Vis

P 100 0 2	01 9:06:00 PST SO	17:06-GMT El Southern Sea otter Position: 112° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 100 0 2	02 9:07:00 PST SO	17:07-GMT El Southern Sea otter Position: 116° / 715 m Dir: Stationary; Behavior: in open water • Diving	Total 1 — 0 Pups at sighting
P 100 0 2	03 9:11:00 PST SC	17:11-GMT D sp Common dolphin species Position: 200° / 2,094 m Dir: East; Behavior: Slow travel	Total 100 — 0 Calves at sighting
P 100 0 2	04 9:16:00 PST SV	17:16-GMT Oil services Crew boat Position: 239° / 2,553 m Dir: Stationary	1 vessel
P 100 0 2	05 9:22:00 PST SO	17:22-GMT El Southern Sea otter Position: 156° / 551 m Dir: West; Behavior: Swimming • in open water	Total 1 — 0 Pups at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 100	2 2	06 10:52:00 PST	18:52-GMT SC Mn Humpback whale Position: 130° / 3,288 m Dir: East; Behavior: Slow travel • Milling • Fluke	Total 2 — 0 Calves at sighting
P 100	2 2	07 11:18:00 PST	19:18-GMT SV Sailboat (motor) Position: 194° / 2,872 m Dir: East	1 vessel
P 100	2 2	08 11:29:00 PST	19:29-GMT S Er Gray whale (northbound) Position: 116° / 1,369 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 100	2 2	09 11:30:00 PST	19:30-GMT SV Kayak/canoe (beyond kelp) Position: 124° / 1,019 m Dir: East	1 vessel
P 100	2 2	10 11:32:00 PST	19:32-GMT SO El Southern Sea otter Position: 111° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 2 — 0 Pups at sighting
P 100	1 2	11 12:07:00 PST	20:07-GMT SV Oil services Position: 286° / 3,288 m Dir: South	1 vessel
P 100	1 2	12 12:23:00 PST	20:23-GMT SV Sportfish-private RHIB Position: 114° / 2,553 m Dir: West	1 vessel
P 100	1 2	13 12:39:00 PST	20:39-GMT SV Whale watching Condor Express Position: 166° / 2,553 m Dir: West	1 vessel
P 100	1 2	14 12:41:00 PST	20:41-GMT SC Tt Bottlenose dolphin Position: 151° / 551 m Dir: West; Behavior: Moderate travel	Total 2 — 0 Calves at sighting
P 100	1 2	15 14:02:00 PST	22:02-GMT S Er Gray whale (northbound) Position: 146° / 3,288 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 100	1 2	16 14:04:00 PST	22:04-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 300 m Dir: West	1 vessel
P 100	1 2	17 14:41:00 PST	22:41-GMT S Er Gray whale (northbound) Position: 227° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 100	1 2	18 15:15:00 PST	23:15-GMT SV Fish-commercial Giaconda Position: 124° / 2,094 m Dir: West	1 vessel
P 100	1 2	19 15:20:00 PST	23:20-GMT SO El Southern Sea otter Position: 112° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 4 — 0 Pups at sighting
P 100	1 2	20 15:40:00 PST	23:40-GMT SV Helicopter Military Position: 184° / 100 m Dir: East	1 vessel
P 100	1 2	21 15:42:00 PST	23:42-GMT SV Private Protector Position: 114° / 1,546 m Dir: West	1 vessel
P 100	2 2	22 15:51:00 PST	23:51-GMT S Er Gray whale (northbound) Position: 144° / 607 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 100	2 2	23 16:34:00 PST	0:34; 2/23/2009-GMT SC D sp Common dolphin species Position: 148° / 3,288 m Dir: West; Behavior: Moderate travel	Total 1000 — 0 Calves at sighting
P 100	2 2	24 16:37:00 PST	0:37; 2/23/2009-GMT SV Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type	
Feb 23				Day 22 of 105			
Quality	CCvr	Bft	Vis				
F	90	1	2	01	9:08:00 PST SO	17:08-GMT El Southern Sea otter Position: 214° / 60 m Dir: East; Behavior: on back, resting • on back, feeding	Total 1 — 0 Pups at sighting
F	90	1	2	02	9:14:00 PST SV	17:14-GMT Fish-commercial New Hazard Position: 184° / 1,778 m Dir: West	1 vessel
F	90	1	2	03	9:24:00 PST SO	17:24-GMT El Southern Sea otter Position: 112° / 1,228 m Dir: Stationary; Behavior: on back, resting • in kelp	Total 1 — 0 Pups at sighting
F	90	1	2	03	9:24:00 PST SO	17:24-GMT El Southern Sea otter Position: 112° / 1,228 m Dir: Stationary; Behavior: on back, resting • in kelp	Total 1 — 0 Pups at sighting
F	90	1	2	04	9:25:00 PST SV	17:25-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 154° / 500 m Dir: East	1 vessel
F	90	1	2	05	9:30:00 PST SV	17:30-GMT Oil services Crew boat Position: 278° / 3,288 m Dir: South	1 vessel
F	90	1	2	06	9:45:00 PST SO	17:45-GMT El Southern Sea otter Position: 123° / 551 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F	90	1	2	07	10:05:00 PST SO	18:05-GMT El Southern Sea otter Position: 119° / 1,546 m Dir: South; Behavior: in open water • with gull(s) • on back, feeding	Total 1 — 0 Pups at sighting
F	90	1	2	08	10:51:00 PST SV	18:51-GMT Fish-trap-commercial Lobster March Gale Position: 106° / 2,872 m Dir: West	1 vessel
G	20	1	3	09	11:16:00 PST SC	19:16-GMT Tt Bottlenose dolphin Position: 217° / 404 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G	20	1	3	10	11:37:00 PST SC	19:37-GMT Tt Bottlenose dolphin Position: 138° / 466 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
G	20	1	3	11	12:03:00 PST S	20:03-GMT Er Gray whale (northbound) Position: 148° / 639 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
G	20	1	3	12	12:06:00 PST SC	20:06-GMT Tt Bottlenose dolphin Position: 256° / 485 m Dir: East; Behavior: Slow travel	Total 5 — 0 Calves at sighting
G	20	1	3	13	12:06:00 PST SV	20:06-GMT Oil services Crew boat Position: 276° / 3,288 m Dir: South	1 vessel
G	20	1	3	14	12:30:00 PST S	20:30-GMT Er Gray whale (northbound) Position: 169° / 1,294 m Dir: West; Behavior: not determined	Total 1 — 0 Calves at sighting
G	20	1	3	15	13:00:00 PST SO	21:00-GMT El Southern Sea otter Position: 186° / 257 m Dir: East; Behavior: on back, feeding	Total 1 — 0 Pups at sighting
G	20	1	3	16	13:05:00 PST SV	21:05-GMT Oil services Crew boat Position: 237° / 2,872 m Dir: South	1 vessel
F	85	0	2	17	13:19:00 PST SC	21:19-GMT D sp Common dolphin species Position: 146° / 4,712 m Dir: West; Behavior: Moderate travel	Total 1000 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 85 0 2	18	13:22:00 PST	21:22-GMT SC Mn Humpback whale Position: 145° / 4,712 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting • Fluke • Milling
F 85 0 2	19	13:46:00 PST	21:46-GMT SV Sailboat (motor) Position: 137° / 2,872 m Dir: West	1 vessel
F 85 0 2	20	14:12:00 PST	22:12-GMT SV Fish-trap-commercial Lobster Position: 268° / 1,546 m Dir: East	1 vessel
F 35 0 2	21	14:24:00 PST	22:24-GMT SC D sp Common dolphin species Position: 220° / 2,553 m Dir: Stationary; Behavior: Milling	Total 300 — 0 Calves at sighting
F 35 0 2	22	14:31:00 PST	22:31-GMT SV Oil services Crew boat Position: 289° / 3,288 m Dir: South	1 vessel
F 35 0 2	23	14:43:00 PST	22:43-GMT S Er Gray whale (northbound) Position: 103° / 3,288 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 80 1 2	24	15:53:00 PST	23:53-GMT SC Tt Bottlenose dolphin Position: 185° / 551 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
G 20 0 2	25	16:03:00 PST	0:03; 2/24/2009-GMT SC D sp Common dolphin species Position: 201° / 3,288 m Dir: West; Behavior: Moderate travel	Total 1000 — 0 Calves at sighting
G 20 0 2	26	16:06:00 PST	0:06; 2/24/2009-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 400 m Dir: East	1 vessel
G 20 0 2	27	16:37:00 PST	0:37; 2/24/2009-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 400 m Dir: East	1 vessel
G 20 0 2	28	16:42:00 PST	0:42; 2/24/2009-GMT SV Oil services Crew boat Position: 268° / 3,288 m Dir: South	1 vessel
G 20 0 2	29	16:44:00 PST	0:44; 2/24/2009-GMT SC Tt Bottlenose dolphin Position: 217° / 449 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting

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Quality CCvr Bft Vis

G 85 2 2	01	9:11:00 PST	17:11-GMT S Er Gray whale (northbound) Position: 156° / 1,228 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
G 85 2 2	02	9:15:00 PST	17:15-GMT SV Oil services Barge+Tug Jovalan Position: 269° / 1,294 m Dir: Stationary	1 vessel
G 85 2 2	03	9:31:00 PST	17:31-GMT SO El Southern Sea otter Position: 124° / 505 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting • on back, resting
G 85 2 2	04	9:32:00 PST	17:32-GMT SO El Southern Sea otter Position: 109° / 1,113 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting • on back, resting
G 85 2 2	05	9:34:00 PST	17:34-GMT SV Kelp harvester Position: 99° / 2,094 m Dir: Stationary	1 vessel
G 85 2 2	06	9:48:00 PST	17:48-GMT SO El Southern Sea otter Position: 140° / 675 m Dir: West; Behavior: in open water	Total 1 — 0 Pups at sighting • Diving

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
G 85 1 2	07 10:21:00 PST S	18:21-GMT Er Gray whale (northbound) Position: 168° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting
G 85 1 2	08 10:42:00 PST SV	18:42-GMT Oil services Observation vessel Position: 107° / 2,553 m Dir: West	1 vessel
G 90 2 2	09 11:15:00 PST S	19:15-GMT Er Gray whale (northbound) Position: 210° / 2,872 m Dir: West; Behavior: not determined	Total 1 — 0 Calves at sighting
G 90 2 2	10 11:54:00 PST SV	19:54-GMT Sailboat Position: 271° / 2,553 m Dir: East	1 vessel
G 85 1 2	11 12:02:00 PST SV	20:02-GMT Oil services Crew boat Position: 270° / 3,288 m Dir: North	1 vessel
G 85 1 2	12 12:27:00 PST SV	20:27-GMT Oil services Crew boat Position: 289° / 3,288 m Dir: South	1 vessel
F 95 3 2	13 13:11:00 PST SV	21:11-GMT Oil services Crew boat Position: 289° / 1,778 m Dir: East	1 vessel
F 95 3 2	14 14:07:00 PST SV	22:07-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 600 m Dir: East	1 vessel
F 95 3 2	15 14:49:00 PST SV	22:49-GMT Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel
F 95 3 2	16 15:02:00 PST SV	23:02-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 800 m Dir: West	1 vessel
F 95 3 2	17 15:10:00 PST SC	23:10-GMT Tt Bottlenose dolphin Position: 120° / 761 m Dir: West; Behavior: Moderate travel	Total 5 — 0 Calves at sighting
F 90 3 2	18 15:24:00 PST SV	23:24-GMT Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel
F 95 2 2	19 16:12:00 PST SC	0:12; 2/25/2009-GMT Tt Bottlenose dolphin Position: 140° / 715 m Dir: West; Behavior: Slow travel	Total 7 — 0 Calves at sighting
F 95 2 2	20 16:16:00 PST S	0:16; 2/25/2009-GMT Er Gray whale (northbound) Position: 209° / 1,113 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 95 2 2	21 16:31:00 PST SC	0:31; 2/25/2009-GMT Tt Bottlenose dolphin Position: 222° / 288 m Dir: West; Behavior: not indicated	Total 2 — 0 Calves at sighting
F 95 2 2	22 16:43:00 PST S	0:43; 2/25/2009-GMT Er Gray whale (northbound) Position: 125° / 1,019 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 95 2 2	23 16:58:00 PST SC	0:58; 2/25/2009-GMT Tt Bottlenose dolphin Position: 158° / 310 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

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Quality CCw Bft Vis

F 80 3 2

01 9:02:00 PST SV	17:02-GMT Oil services Observation vessel Position: 182° / 505 m Dir: East	1 vessel
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2009 All Sighting Numbers, Raw

	Quality	CCvr	Bft	Vis	Number	Time Code	Species / Vessel Type	
F	20	3	1.7		08	9:46:00 PST SC	17:46-GMT ULW unidentified large whale Position: 176° / 356 m Dir: nd; Behavior: not determined	Total 2 — 0 Calves at sighting
F	15	4	1.7		09	10:16:00 PST SC	18:16-GMT ULW unidentified large whale Position: 107° / 2,094 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
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P	100	2	2		01	9:07:00 PST SV	17:07-GMT Helicopter Military Position: 214° / 1000 m Dir: East	1 vessel
P	70	2	2		02	9:21:00 PST SO	17:21-GMT El Southern Sea otter Position: 115° / 607 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 2 — 0 Pups at sighting
P	70	2	2		03	9:21:00 PST SO	17:21-GMT El Southern Sea otter Position: 115° / 607 m Dir: Stationary; Behavior: Swimming	Total 1 — 0 Pups at sighting
P	70	2	2		04	10:31:00 PST SV	18:31-GMT Dive-commercial Urchin Position: 104° / 2,553 m Dir: West	1 vessel
P	70	2	2		05	10:46:00 PST SV	18:46-GMT Oil services Crew boat Position: 277° / 3,288 m Dir: South	1 vessel
P	70	2	2		06	10:56:00 PST S	18:56-GMT Er Gray whale (northbound) Position: 116° / 3,288 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P	70	2	2		07	12:00:00 PST SV	20:00-GMT Helicopter Military Position: 135° / 1500 m Dir: West	1 vessel
P	70	2	2		08	12:40:00 PST SV	20:40-GMT Oil services Crew boat Position: 287° / 3,288 m Dir: South	1 vessel
P	70	2	2		09	12:47:00 PST SV	20:47-GMT Helicopter Military Position: 124° / 600 m Dir: West	1 vessel
P	90	2	2		10	13:45:00 PST SC	21:45-GMT Mn Humpback whale Position: 151° / 12,565 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P	90	2	2		11	13:57:00 PST SC	21:57-GMT D sp Common dolphin species Position: 182° / 3,288 m Dir: West; Behavior: Moderate travel	Total 100 — 0 Calves at sighting
P	90	2	2		12	14:20:00 PST SV	22:20-GMT Oil services Crew boat Position: 116° / 3,288 m Dir: West	1 vessel
P	90	2	2		13	14:25:00 PST SV	22:25-GMT Oil services Crew boat Position: 238° / 2,553 m Dir: South	1 vessel
P	70	2	2		14	14:37:00 PST S	22:37-GMT Er Gray whale (northbound) Position: 179° / 607 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	70	2	2		15	14:41:00 PST SV	22:41-GMT Fish-trap-commercial Lobster Position: 243° / 1,778 m Dir: East	1 vessel
P	70	2	2		16	15:35:00 PST SV	23:35-GMT Fish-commercial Position: 243° / 2,094 m Dir: East	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type	
P	70	2	2	17	16:14:00 PST SV	0:14; 2/28/2009-GMT Oil services Crew boat Position: 276° / 3,288 m Dir: South	1 vessel
P	40	0	2	18	16:58:00 PST S	0:58; 2/28/2009-GMT Er Gray whale (northbound) Position: 237° / 1,778 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
Feb 28 Day 27 of 105							
Quality	CCvr	Bft	Vis				
P	90	0	1.7	01	9:13:00 PST SV	17:13-GMT Research vessel Casey III Position: 114° / 871 m Dir: Stationary	1 vessel
P	90	0	1.7	02	9:23:00 PST SO	17:23-GMT El Southern Sea otter Position: 116° / 1,228 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P	90	0	1.7	03	9:40:00 PST SC	17:40-GMT Mn Humpback whale Position: 174° / 4,712 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P	90	0	1.7	04	9:54:00 PST SC	17:54-GMT Mn Humpback whale Position: 172° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P	90	0	1.7	05	9:59:00 PST SC	17:59-GMT Mn Humpback whale Position: 186° / 4,712 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting
P	90	0	1.7	06	10:06:00 PST SC	18:06-GMT Mn Humpback whale Position: 180° / 2,872 m Dir: ni; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P	90	0	1.7	07	10:13:00 PST SC	18:13-GMT Mn Humpback whale Position: 184° / 3,288 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	90	0	1.7	08	10:18:00 PST S	18:18-GMT Er Gray whale (northbound) Position: 95° / 3,288 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	90	0	1.7	09	10:26:00 PST SV	18:26-GMT Dive-commercial Position: 109° / 1,778 m Dir: West	1 vessel
F	90	2	1.7	10	10:37:00 PST SV	18:37-GMT Fish-commercial Position: 164° / 2,872 m Dir: West	1 vessel
F	90	2	1.7	11	10:45:00 PST S	18:45-GMT Er Gray whale (northbound) Position: 220° / 1,369 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	90	1	1.7	12	11:21:00 PST S	19:21-GMT Er Gray whale (northbound) Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	90	1	1.7	13	11:33:00 PST SV	19:33-GMT Sportfish-private Position: 112° / 2,094 m Dir: West	1 vessel
F	90	1	1.7	14	11:35:00 PST SC	19:35-GMT Tt Bottlenose dolphin Position: 179° / 812 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F	90	1	1.7	15	11:53:00 PST SV	19:53-GMT Sportfish-private Boston Whaler Position: 230° / 1,019 m Dir: East	1 vessel
F	90	1	1.7	16	11:58:00 PST SC	19:58-GMT Mn Humpback whale Position: 159° / 4,712 m Dir: nd; Behavior: not determined	Total 3 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 90 1 1.7	17	12:54:00 PST SV	20:54-GMT Private Four Winns Position: 121° / 1,228 m Dir: West	1 vessel
F 80 1 1.7	18	14:04:00 PST SO	22:04-GMT El Southern Sea otter Position: 226° / 288 m Dir: ni; Behavior: Grooming • Diving • in kelp	
F 80 1 1.7	19	14:13:00 PST SV	22:13-GMT Helicopter Position: ni / 60 m Dir: East	1 vessel
F 80 1 1.7	20	14:18:00 PST SV	22:18-GMT Private Position: 107° / 1,778 m Dir: West	1 vessel
F 80 1 1.7	21	14:21:00 PST SC	22:21-GMT Mn Humpback whale Position: 228° / 2,872 m Dir: nd; Behavior: Fluke • Pec slap	Total 2 — 0 Calves at sighting
F 80 1 1.7	22	14:36:00 PST SV	22:36-GMT Sportfish-private Position: 99° / 2,872 m Dir: West	1 vessel
F 70 1 1.7	23	14:40:00 PST SC	22:40-GMT Tt Bottlenose dolphin Position: 230° / 715 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 70 1 1.7	24	14:53:00 PST SV	22:53-GMT Oil services Crew boat Position: 259° / 2,872 m Dir: South	1 vessel
F 70 1 1.7	25	15:00:00 PST SV	23:00-GMT Fish-commercial New Hazard Position: 255° / 2,872 m Dir: East	1 vessel
F 70 1 1.7	26	15:11:00 PST SC	23:11-GMT Mn Humpback whale Position: 209° / 4,712 m Dir: nd; Behavior: not indicated	Total 2 — 0 Calves at sighting
F 70 1 1.7	27	15:30:00 PST SC	23:30-GMT Tt Bottlenose dolphin Position: 126° / 1,294 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 70 1 1.7	28	15:54:00 PST SC	23:54-GMT Tt Bottlenose dolphin Position: 215° / 551 m Dir: West; Behavior: Milling	Total 3 — 0 Calves at sighting
F 70 1 1.7	29	15:56:00 PST S	23:56-GMT Er Gray whale (northbound) Position: 95° / 3,288 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 70 1 1.7	30	16:00:00 PST S	0:00; 3/1/2009-GMT Er Gray whale (northbound) Position: 173° / 3,288 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 70 1 1.7	31	16:27:00 PST SV	0:27; 3/1/2009-GMT Private Moving On Position: 106° / 2,872 m Dir: West	1 vessel
F 70 1 1.7	32	16:40:00 PST SV	0:40; 3/1/2009-GMT Fish-commercial Position: 224° / 2,872 m Dir: East	1 vessel

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Quality CCvr Bft Vis

P 75 1 2

01 9:11:00 PST 17:11-GMT
SV Oil services Crew boat
Position: 276° / 3,288 m Dir: North

1 vessel

P 75 1 2

02 9:21:00 PST 17:21-GMT
SO El Southern Sea otter
Position: 101° / 1,546 m Dir: Stationary; Behavior: in kelp • on back, resting

Total 3 — 0 Pups at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 75	1	2	03 9:28:00 PST SV 17:28-GMT Jet ski Position: 134° / 812 m Dir: West	3 vessels
P 75	1	2	04 9:34:00 PST SC 17:34-GMT Mn Humpback whale Position: 138° / 3,288 m Dir: South; Behavior: Milling	Total 1 — 0 Calves at sighting
F 50	1	2	05 9:52:00 PST S 17:52-GMT Er Gray whale (northbound) Position: 142° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
F 50	3	2	06 10:14:00 PST S 18:14-GMT Er Gray whale (northbound) Position: 187° / 1,778 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 50	3	2	07 10:24:00 PST SV 18:24-GMT Private Boston Whaler Position: 227° / 2,094 m Dir: East	1 vessel
F 50	3	2	08 10:29:00 PST SV 18:29-GMT Oil services Crew boat Position: 274° / 2,872 m Dir: South	1 vessel
F 50	3	2	09 10:38:00 PST SV 18:38-GMT Sailboat (motor) Yah Tar Key Position: 112° / 2,872 m Dir: West	1 vessel
F 45	2	2	10 11:04:00 PST SC 19:04-GMT Mn Humpback whale Position: 190° / 4,712 m Dir: East; Behavior: Slow travel • Milling	Total 2 — 0 Calves at sighting
F 45	2	2	11 11:24:00 PST SV 19:24-GMT Oil services Crew boat Position: 285° / 3,288 m Dir: South	1 vessel
F 45	2	2	12 11:27:00 PST SC 19:27-GMT Mn Humpback whale Position: 162° / 4,712 m Dir: West; Behavior: not determined	Total 2 — 0 Calves at sighting
F 45	2	2	13 11:34:00 PST SO 19:34-GMT El Southern Sea otter Position: 159° / 157 m Dir: Stationary; Behavior: Interacting • Diving • on back, feeding	Total 1 — 0 Pups at sighting
F 45	2	2	14 11:57:00 PST SC 19:57-GMT Mn Humpback whale Position: 166° / 3,288 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 45	2	2	15 12:02:00 PST S 20:02-GMT Er Gray whale (northbound) Position: 135° / 2,872 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 0 Calves at sighting
G 35	2	3	16 12:40:00 PST S 20:40-GMT Er Gray whale (northbound) Position: 175° / 715 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
G 35	2	3	17 13:23:00 PST SV 21:23-GMT Fish-trap-commercial Lobster Lobsterman Position: 101° / 2,094 m Dir: East	1 vessel
G 35	2	3	18 13:26:00 PST SC 21:26-GMT Mn Humpback whale Position: 179° / 3,288 m Dir: Stationary; Behavior: Slow travel • Milling	Total 5 — 0 Calves at sighting
G 35	2	3	19 13:30:00 PST SV 21:30-GMT Sportfish-private Position: 107° / 2,094 m Dir: West	1 vessel
G 35	2	3	20 14:11:00 PST SC 22:11-GMT Tt Bottlenose dolphin Position: 174° / 346 m Dir: East; Behavior: Slow travel	Total 5 — 0 Calves at sighting
G 35	2	3	21 14:18:00 PST SV 22:18-GMT Sailboat Ruby SF Position: 129° / 2,553 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type			
G	35	2	3	22	14:25:00 PST S	22:25-GMT Er Gray whale (northbound) Position: 194° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Total 1	— 0 Calves at sighting	
G	35	2	3	23	16:39:00 PST S	0:39; 3/2/2009-GMT Er Gray whale (northbound) Position: 99° / 3,288 m Dir: West; Behavior: Slow travel	Total 1	— 0 Calves at sighting	
G	35	2	3	24	16:59:00 PST S	0:59; 3/2/2009-GMT Er Gray whale (northbound) Position: 108° / 2,094 m Dir: West; Behavior: Slow travel	Total 1	— 0 Calves at sighting	
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Mar 02		Day 29 of 105							
	Quality	CCvr	Bft	Vis					
F	100		1	3	01	9:26:00 PST SV	17:26-GMT Dive-research UCSB Position: 106° / 2,094 m Dir: West	1 vessel	
F	100		1	3	02	9:30:00 PST SV	17:30-GMT Oil services Crew boat Position: 276° / 2,872 m Dir: North	1 vessel	
F	100		1	3	03	9:49:00 PST SO	17:49-GMT El Southern Sea otter Position: 113° / 288 m Dir: South; Behavior: in kelp • on back, feeding	Total 1	— 0 Pups at sighting
F	100		1	3	04	10:00:00 PST SC	18:00-GMT Tt Bottlenose dolphin Position: 115° / 449 m Dir: West; Behavior: Milling	Total 4	— 0 Calves at sighting
P	100		1	3	05	10:30:00 PST SC	18:30-GMT Tt Bottlenose dolphin Position: 222° / 378 m Dir: East; Behavior: Slow travel	Total 3	— 0 Calves at sighting
P	100		1	3	06	11:20:00 PST S	19:20-GMT Er Gray whale (northbound) Position: 179° / 433 m Dir: West; Behavior: Slow travel	Total 1	— 0 Calves at sighting
P	100		1	3	07	11:24:00 PST SC	19:24-GMT Tt Bottlenose dolphin Position: 238° / 449 m Dir: East; Behavior: Slow travel	Total 17	— 1 Calf at sighting
P	100		1	3	08	11:28:00 PST SV	19:28-GMT Oil services Crew boat Position: 289° / 2,872 m Dir: South	1 vessel	
P	100		1	3	09	11:49:00 PST SC	19:49-GMT Tt Bottlenose dolphin Position: 202° / 318 m Dir: East; Behavior: Slow travel	Total 4	— 0 Calves at sighting
P	100		1	3	10	12:37:00 PST SV	20:37-GMT Fish-trap-commercial Lobster Position: 105° / 2,872 m Dir: West	1 vessel	
P	100		1	3	11	12:51:00 PST SO	20:51-GMT El Southern Sea otter Position: 112° / 1,228 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1	— 0 Pups at sighting
P	100		1	3	12	12:51:00 PST SO	20:51-GMT El Southern Sea otter Position: 98° / 527 m Dir: Stationary; Behavior: in kelp • Diving	Total 1	— 0 Pups at sighting
P	100	0	1.7		13	14:23:00 PST SV	22:23-GMT Fish-trap-commercial Lobster Kaylee J Position: 254° / 1,546 m Dir: East	1 vessel	
P	100	0	1.7		14	14:44:00 PST SO	22:44-GMT El Southern Sea otter Position: 146° / 346 m Dir: East; Behavior: Swimming • in kelp	Total 1	— 0 Pups at sighting
P	100	0	1.7		15	14:51:00 PST SV	22:51-GMT Oil services Crew boat Position: 282° / 3,288 m Dir: East	1 vessel	

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 100 0 1.7	16	15:20:00 PST	23:20-GMT SO El Southern Sea otter Position: 123° / 228 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 100 0 1.7	17	15:53:00 PST	23:53-GMT SC Tt Bottlenose dolphin Position: 150° / 485 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 100 0 1.7	18	15:36:00 PST	23:36-GMT SC Tt Bottlenose dolphin Position: 233° / 466 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 100 0 1.7	19	15:46:00 PST	23:46-GMT SC Tt Bottlenose dolphin Position: 219° / 466 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 100 0 1.7	20	16:01:00 PST	0:01; 3/3/2009-GMT S Er Gray whale (northbound) Position: 127° / 1,369 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 100 0 1.7	21	16:17:00 PST	0:17; 3/3/2009-GMT SC Tt Bottlenose dolphin Position: 193° / 675 m Dir: ni; Behavior: not indicated	Total 2 — 0 Calves at sighting
P 100 0 1.7	22	16:32:00 PST	0:32; 3/3/2009-GMT SV Whale watching Condor Express Position: 255° / 1,369 m Dir: West	1 vessel
P 100 0 1.7	23	16:50:00 PST	0:50; 3/3/2009-GMT SV Oil services Crew boat Position: 278° / 2,872 m Dir: East	1 vessel
Mar 03 Day 30 of 105				
Quality	CCvr	Bft	Vis	
P 30 0 2	01	9:00:00 PST	17:00-GMT SO El Southern Sea otter Position: 96° / 449 m Dir: Stationary; Behavior: in kelp • on back, resting	
P 30 0 2	02	9:00:00 PST	17:00-GMT SO El Southern Sea otter Position: 106° / 1,546 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 30 0 2	03	9:02:00 PST	17:02-GMT S Er Gray whale (northbound) Position: 136° / 1,369 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 30 0 2	04	9:02:00 PST	17:02-GMT SC ULW unidentified large whale Position: 136° / 3,288 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 30 0 2	05	9:20:00 PST	17:20-GMT SC Tt Bottlenose dolphin Position: 238° / 485 m Dir: East; Behavior: Slow travel	Total 5 — 0 Calves at sighting
P 30 0 2	06	9:26:00 PST	17:26-GMT SV Fish-trap-commercial Lobster Position: 118° / 2,553 m Dir: West	1 vessel
F 25 0 3	07	10:46:00 PST	18:46-GMT SV Oil services Crew boat Position: 266° / 2,553 m Dir: West	1 vessel
F 25 0 3	08	11:09:00 PST	19:09-GMT SO El Southern Sea otter Position: 131° / 257 m Dir: ni; Behavior: on back, feeding	
F 25 0 3	09	11:22:00 PST	19:22-GMT SV Oil services Crew boat Position: 284° / 2,553 m Dir: South	1 vessel
F 25 0 3	10	11:43:00 PST	19:43-GMT SV Helicopter Military Position: 184° / 40 m Dir: East	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type		
F	25	0	3	11	12:20:00 PST SV	20:20-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 300 m Dir: West	1 vessel	
F	25	0	3	12	12:26:00 PST SV	20:26-GMT Oil services Crew boat Position: 273° / 3,288 m Dir: North	1 vessel	
F	25	0	3	13	12:34:00 PST SC	20:34-GMT Tt Bottlenose dolphin Position: 149° / 449 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting	
F	25	0	3	14	12:51:00 PST SV	20:51-GMT Private Solera Position: 106° / 2,094 m Dir: Stationary	1 vessel	
F	25	0	3	15	12:57:00 PST SV	20:57-GMT Fish-trap-commercial Lobster Position: 102° / 2,872 m Dir: West	1 vessel	
F	25	0	3	16	13:21:00 PST SC	21:21-GMT Tt Bottlenose dolphin Position: 141° / 715 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting	
F	25	0	3	17	13:43:00 PST SV	21:43-GMT Private Position: 289° / 1,778 m Dir: East	1 vessel	
F	25	0	3	18	14:01:00 PST SV	22:01-GMT Whale watching Condor Express Position: 264° / 1,019 m Dir: East	1 vessel	
F	25	0	3	19	14:09:00 PST S	22:09-GMT Er Gray whale (northbound) Position: 196° / 2,553 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting	
G	20	0	3	20	14:30:00 PST SV	22:30-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 300 m Dir: West	1 vessel	
G	20	0	3	21	14:36:00 PST SV	22:36-GMT Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel	
G	20	0	3	22	15:56:00 PST SC	23:56-GMT Tt Bottlenose dolphin Position: 224° / 466 m Dir: East; Behavior: Slow travel	Total 4 — 0 Calves at sighting	
G	20	0	3	23	16:07:00 PST SV	0:07; 3/4/2009-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 400 m Dir: West	1 vessel	
G	20	0	3	24	16:44:00 PST SV	0:44; 3/4/2009-GMT Oil services Crew boat Position: 291° / 3,288 m Dir: South	1 vessel	
Mar 04 Day 31 of 105								
	Quality	CCvr	Bft	Vis				
P	100	2	1		Off-Effort 01	8:57:00 PST S	16:57-GMT Er Gray whale (northbound) Position: 237° / 761 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	95	2	2		02	9:22:00 PST SO	17:22-GMT El Southern Sea otter Position: 135° / 232 m Dir: Stationary; Behavior: Diving • in kelp • with gull(s)	Total 1 — 0 Pups at sighting
F	95	2	2		03	9:32:00 PST SC	17:32-GMT ULW unidentified large whale Position: 98° / 3,288 m Dir: nd; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	95	2	2		04	9:39:00 PST SV	17:39-GMT Fish-trap-commercial Lobster Position: 107° / 2,553 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 95 2 2	05	9:58:00 PST SO	17:58-GMT El Southern Sea otter Position: 114° / 1,228 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 100 2 1.7	06	10:04:00 PST S	18:04-GMT Er Gray whale (northbound) Position: 141° / 1,019 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 100 2 1.7	07	10:32:00 PST SV	18:32-GMT Oil services Crew boat Position: 289° / 3,288 m Dir: South	1 vessel
P 100 0 1.7	08	10:41:00 PST SV	18:41-GMT Dive-research UCSB Position: 259° / 840 m Dir: East	1 vessel
P 100 0 1.7	09	10:53:00 PST SV	18:53-GMT Fish-trap-commercial Lobster Position: 279° / 1,369 m Dir: East	1 vessel
P 100 0 2	10	12:01:00 PST SV	20:01-GMT Oil services Crew boat Position: 233° / 2,553 m Dir: Stationary	1 vessel
P 90 0 2	11	12:27:00 PST SV	20:27-GMT Fish-trap-commercial Lobster Position: 110° / 2,094 m Dir: West	1 vessel
F 60 0 2	12	12:50:00 PST S	20:50-GMT Er Gray whale (northbound) Position: 123° / 1,546 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 60 0 2	13	13:40:00 PST SV	21:40-GMT Oil services Crew boat Position: 263° / 2,872 m Dir: East	1 vessel
F 60 0 2	14	13:48:00 PST SV	21:48-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 500 m Dir: West	1 vessel
F 65 3 2	15	14:34:00 PST SC	22:34-GMT D sp Common dolphin species Position: 169° / 3,288 m Dir: South; Behavior: Moderate travel	Total 300 — 0 Calves at sighting
F 45 3 2	16	15:31:00 PST S	23:31-GMT Er Gray whale (northbound) Position: 211° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 45 3 2	17	16:06:00 PST SV	0:06; 3/5/2009-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 300 m Dir: West	1 vessel
F 45 3 2	18	16:10:00 PST S	0:10; 3/5/2009-GMT Er Gray whale (northbound) Position: 158° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	Total 3 — 0 Calves at sighting
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Quality CCvr BR Vis				
G 0 2 2	01	8:53:00 PST S	16:53-GMT Er Gray whale (northbound) Position: 224° / 505 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 0 2 2	02	9:14:00 PST SV	17:14-GMT Oil services Crew boat Position: 268° / 2,872 m Dir: South	1 vessel
G 0 2 2	03	9:25:00 PST SO	17:25-GMT El Southern Sea otter Position: 105° / 2,094 m Dir: Stationary; Behavior: on back, resting • in open water	Total 1 — 0 Pups at sighting
G 0 2 3	04	9:27:00 PST S	17:27-GMT Er Gray whale (northbound) Position: 150° / 812 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
E 0 2 3	05	9:55:00 PST S	17:55-GMT Er Gray whale (northbound) Position: 122° / 3,288 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
E 0 2 3	06	10:41:00 PST S	18:41-GMT Er Gray whale (northbound) Position: 116° / 1,778 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
E 0 2 3	07	11:00:00 PST S	19:00-GMT Er Gray whale (northbound) Position: 124° / 4,712 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
E 5 1 3	08	11:12:00 PST SV	19:12-GMT Oil services Crew boat Position: 276° / 2,872 m Dir: South	1 vessel
G 5 1 3	09	11:29:00 PST S	19:29-GMT Er Gray whale (northbound) Position: 158° / 3,288 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 5 1 3	10	11:34:00 PST SV	19:34-GMT Jet ski Position: 269° / 578 m Dir: East	1 vessel
G 5 1 3	11	11:46:00 PST SV	19:46-GMT Oil services Crew boat Position: 277° / 2,872 m Dir: South	1 vessel
G 5 1 3	12	11:56:00 PST S	19:56-GMT Er Gray whale (northbound) Position: 143° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
G 5 1 3	13	12:00:00 PST S	20:00-GMT Er Gray whale (northbound) Position: 124° / 1,228 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 5 1 3	14	12:39:00 PST S	20:39-GMT Er Gray whale (northbound) Position: 135° / 3,288 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
G 5 3 3	15	13:11:00 PST S	21:11-GMT Er Gray whale (northbound) Position: 147° / 1,778 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

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Quality CCvr Bft Vts

E 10 2 3	01	8:46:00 PST S	16:46-GMT Er Gray whale (northbound) Position: 153° / 812 m Dir: West; Behavior: Slow travel • Rolling	Total 3 — 0 Calves at sighting
E 10 2 3	02	9:02:00 PST SV	17:02-GMT Dive-commercial Urchin Position: 109° / 2,553 m Dir: West	1 vessel
E 10 2 3	03	9:08:00 PST SV	17:08-GMT Helicopter Position: 184° / 600 m Dir: West	1 vessel
F 10 3 3	04	9:23:00 PST S	17:23-GMT Er Gray whale (northbound) Position: 158° / 1,546 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
F 10 3 3	05	9:33:00 PST S	17:33-GMT Er Gray whale (northbound) Position: 110° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 10 3 3	06	9:53:00 PST SV	17:53-GMT Fish-commercial Position: 234° / 2,553 m Dir: East	1 vessel
P 10 4 3	07	9:55:00 PST SV	17:55-GMT Oil services Crew boat Position: 238° / 2,872 m Dir: Stationary	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 10 4 3	08	10:09:00 PST	18:09-GMT El Southern Sea otter	
	SO		Position: 113° / 1,228 m Dir: Stationary; Behavior: in kelp • on back, resting	
P 10 4 3	09	10:35:00 PST	18:35-GMT Er Gray whale (northbound)	Total 1 — 0 Calves at sighting
	S		Position: 159° / 1,546 m Dir: West; Behavior: Slow travel	
P 10 4 3	10	10:45:00 PST	18:45-GMT El Southern Sea otter	Total 1 — 0 Pups at sighting
	SO		Position: 126° / 505 m Dir: West; Behavior: with gull(s) • on back, feeding • in surf zone	
P 10 5 3	Off-Effort 11	11:09:00 PST	19:09-GMT Oil services Crew boat	1 vessel
	SV		Position: 269° / 1,546 m Dir: East	
P 10 5 2	Off-Effort 12	11:17:00 PST	19:17-GMT Fish-trap-commercial Danny C	1 vessel
	SV		Position: 105° / 2,553 m Dir: West	
P 10 5 2	Off-Effort 13	11:19:00 PST	19:19-GMT Tt Bottlenose dolphin	Total 4 — 0 Calves at sighting
	SC		Position: 154° / 310 m Dir: West; Behavior: Slow travel • Milling	
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Mar 07	Day 34 of 105			
Quality	CCvr	Bft	Vis	
F 0 1 2	01	8:48:00 PST	16:48-GMT Er Gray whale (northbound)	Total 2 — 0 Calves at sighting
	S		Position: 122° / 1,369 m Dir: West; Behavior: Slow travel	
F 0 1 2	02	9:20:00 PST	17:20-GMT Dive-commercial Meant To Be	1 vessel
	SV		Position: 110° / 2,094 m Dir: West	
F 0 1 2	03	9:35:00 PST	17:35-GMT Oil services Crew boat	1 vessel
	SV		Position: 285° / 3,288 m Dir: North	
F 0 1 2	04	9:46:00 PST	17:46-GMT Er Gray whale (northbound)	Total 2 — 0 Calves at sighting
	S		Position: 115° / 2,553 m Dir: West; Behavior: Slow travel	
F 5 2 2	05	10:06:00 PST	18:06-GMT Oil services Crew boat	1 vessel
	SV		Position: 280° / 3,288 m Dir: North	
F 5 2 2	06	10:13:00 PST	18:13-GMT Dive-commercial	1 vessel
	SV		Position: 107° / 2,094 m Dir: West	
F 5 2 2	07	10:49:00 PST	18:49-GMT Oil services Crew boat	1 vessel
	SV		Position: 272° / 3,288 m Dir: North	
F 5 2 2	08	10:50:00 PST	18:50-GMT Er Gray whale (northbound)	Total 1 — 0 Calves at sighting
	S		Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	
F 0 1 2	09	12:23:00 PST	20:23-GMT Er Gray whale (northbound)	Total 2 — 0 Calves at sighting
	S		Position: 162° / 623 m Dir: West; Behavior: Slow travel	
F 0 0 2	10	12:54:00 PST	20:54-GMT Sailboat	1 vessel
	SV		Position: 135° / 2,094 m Dir: West	
F 0 0 2	11	13:10:00 PST	21:10-GMT El Southern Sea otter	
	SO		Position: 113° / 1,294 m Dir: Stationary; Behavior: in open water • Grooming	
F 0 0 2	12	13:33:00 PST	21:33-GMT Er Gray whale (northbound)	Total 3 — 0 Calves at sighting
	S		Position: 192° / 1,778 m Dir: West; Behavior: Slow travel	

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
F 0 0 2	13 13:43:00 PST SC	21:43-GMT Tt Bottlenose dolphin Position: 256° / 715 m Dir: East; Behavior: Slow travel	Total 10 — 0 Calves at sighting
F 0 0 2	14 13:53:00 PST SV	21:53-GMT Private Position: 144° / 2,872 m Dir: West	1 vessel
F 0 0 2	15 14:09:00 PST S	22:09-GMT Er Gray whale (northbound) Position: 149° / 2,872 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 0 2	16 14:12:00 PST SC	22:12-GMT Oo Killer whale Position: 147° / 12,565 m Dir: ; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 0 2	17 14:15:00 PST SC	22:15-GMT Tt Bottlenose dolphin Position: 162° / 378 m Dir: East; Behavior: Fast travel	Total 2 — 0 Calves at sighting
F 0 0 2	18 14:23:00 PST S	22:23-GMT Er Gray whale (northbound) Position: 154° / 871 m Dir: West; Behavior: Slow travel • Breach	Total 2 — 0 Calves at sighting
F 0 0 2	19 14:46:00 PST SV	22:46-GMT Fish-commercial Tytan Position: 261° / 2,553 m Dir: East	1 vessel
F 0 0 2	20 14:49:00 PST SC	22:49-GMT Tt Bottlenose dolphin Position: 126° / 871 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 0 2	21 14:51:00 PST S	22:51-GMT Er Gray whale (northbound) Position: 145° / 939 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 0 2	22 15:02:00 PST S	23:02-GMT Er Gray whale (northbound) Position: 189° / 1,228 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 0 0 2	23 15:16:00 PST SV	23:16-GMT Private Position: 204° / 1,778 m Dir: East	1 vessel
F 0 0 2	24 15:21:00 PST S	23:21-GMT Er Gray whale (northbound) Position: 140° / 2,872 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 0 2	25 15:37:00 PST SC	23:37-GMT Oo Killer whale Position: 202° / 3,288 m Dir: Stationary; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 0 0 2	26 15:59:00 PST SC	23:59-GMT Tt Bottlenose dolphin Position: 194° / 551 m Dir: East; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 0 0 2	27 16:02:00 PST S	0:02; 3/8/2009-GMT Er Gray whale (northbound) Position: 234° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 0 1 2	28 16:11:00 PST SV	0:11; 3/8/2009-GMT Sportfish-commercial Stardust Position: 256° / 2,553 m Dir: East	1 vessel
F 0 1 2	29 16:34:00 PST S	0:34; 3/8/2009-GMT Er Gray whale (northbound) Position: 123° / 3,288 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 0 1 2	30 16:41:00 PST SV	0:41; 3/8/2009-GMT Oil services Crew boat Position: 276° / 2,872 m Dir: South	1 vessel
F 0 1 2	31 16:43:00 PST SC	0:43; 3/8/2009-GMT Tt Bottlenose dolphin Position: 128° / 551 m Dir: East; Behavior: Slow travel	Total 9 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

				Number	Time	Species / Vessel Type			
					Code				
Mar 08	Day 35 of 105								
Quality	CCvr	Bft	Vis						
G	0	1	3	01	9:10:00 PDT	16:10-GMT	Sportfish-private		
					SV		Position: 197° / 1,778 m Dir: West	1 vessel	
G	0	1	3	02	9:17:00 PDT	16:17-GMT	Oil services Crew boat		
					SV		Position: 276° / 3,288 m Dir: North	1 vessel	
G	0	1	3	03	9:20:00 PDT	16:20-GMT	Er Gray whale (northbound)	Total 1 — 0 Calves	at sighting
					S		Position: 190° / 578 m Dir: West; Behavior: Slow travel • Fluke		
G	0	1	3	04	9:41:00 PDT	16:41-GMT	Tt Bottlenose dolphin	Total 2 — 0 Calves	at sighting
					SC		Position: 126° / 418 m Dir: West; Behavior: Slow travel		
G	0	1	3	05	9:47:00 PDT	16:47-GMT	Tt Bottlenose dolphin	Total 1 — 0 Calves	at sighting
					SC		Position: 124° / 715 m Dir: West; Behavior: Slow travel		
G	0	1	3	06	9:50:00 PDT	16:50-GMT	Er Gray whale (northbound)	Total 3 — 0 Calves	at sighting
					S		Position: 182° / 2,553 m Dir: West; Behavior: Slow travel • Rolling • Fluke		
G	0	1	3	07	9:56:00 PDT	16:56-GMT	Er Gray whale (northbound)	Total 2 — 0 Calves	at sighting
					S		Position: 185° / 2,872 m Dir: West; Behavior: Slow travel		
G	0	1	3	08	10:10:00 PDT	17:10-GMT	Er Gray whale (northbound)	Total 1 — 0 Calves	at sighting
					S		Position: 175° / 1,019 m Dir: West; Behavior: Slow travel		
F	0	0	2	09	10:09:00 PDT	17:09-GMT	Oil services Crew boat		
					SV		Position: 144° / 2,872 m Dir: West	1 vessel	
F	0	0	2	10	10:46:00 PDT	17:46-GMT	Oil services Crew boat		
					SV		Position: 289° / 3,288 m Dir: South	1 vessel	
F	0	0	2	11	10:48:00 PDT	17:48-GMT	Er Gray whale (northbound)	Total 2 — 0 Calves	at sighting
					S		Position: 175° / 3,288 m Dir: West; Behavior: Slow travel • Fluke		
F	0	0	2	12	11:04:00 PDT	18:04-GMT	Er Gray whale (northbound)	Total 2 — 0 Calves	at sighting
					S		Position: 126° / 2,872 m Dir: West; Behavior: Slow travel		
F	0	0	2	13	11:10:00 PDT	18:10-GMT	Fish-trap-commercial		
					SV		Position: 134° / 2,872 m Dir: West	1 vessel	
F	0	0	2	Void 14	PDT	7:-GMT	void		
F	0	0	2	15	11:14:00 PDT	18:14-GMT	Mn Humpback whale	Total 3 — 0 Calves	at sighting
					SC		Position: 218° / 4,712 m Dir: West; Behavior: Slow travel		
F	0	0	2	16	11:16:00 PDT	18:16-GMT	Private		
					SV		Position: 226° / 1,369 m Dir: West	1 vessel	
F	0	0	2	17	11:20:00 PDT	18:20-GMT	Er Gray whale (northbound)	Total 1 — 0 Calves	at sighting
					S		Position: 118° / 1,369 m Dir: West; Behavior: Slow travel		
F	0	0	2	18	11:26:00 PDT	18:26-GMT	Private		
					SV		Position: 167° / 1,228 m Dir: West	1 vessel	

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F	0	0	2	19 11:50:00 PDT 18:50-GMT SV Private Position: 152° / 1,228 m Dir: West 1 vessel
F	0	2	2	20 12:51:00 PDT 19:51-GMT S Er Gray whale (northbound) Position: 197° / 3,288 m Dir: West; Behavior: Slow travel • Fluke Total 3 — 0 Calves at sighting
F	0	2	2	21 13:06:00 PDT 20:06-GMT S Er Gray whale (northbound) Position: 135° / 2,872 m Dir: West; Behavior: Slow travel Total 2 — 0 Calves at sighting
F	0	2	2	22 13:07:00 PDT 20:07-GMT SV Whale watching Condor Express Position: 138° / 2,872 m Dir: West 1 vessel
F	0	1	2	23 14:06:00 PDT 21:06-GMT SV Sportfish-private Position: 229° / 639 m Dir: East 1 vessel
F	0	1	2	24 14:12:00 PDT 21:12-GMT SV Sportfish-private Position: 264° / 1,294 m Dir: East 1 vessel
F	0	1	2	25 14:30:00 PDT 21:30-GMT SV Fish-trap-commercial Kaylee J Position: 114° / 2,094 m Dir: West 1 vessel
F	0	1	2	26 14:43:00 PDT 21:43-GMT S Er Gray whale (northbound) Position: 163° / 715 m Dir: West; Behavior: Slow travel Total 1 — 0 Calves at sighting
F	0	1	2	27 15:06:00 PDT 22:06-GMT S Er Gray whale (northbound) Position: 111° / 1,778 m Dir: West; Behavior: Slow travel Total 1 — 0 Calves at sighting
F	0	1	2	28 15:21:00 PDT 22:21-GMT S Er Gray whale (northbound) Position: 181° / 939 m Dir: West; Behavior: Slow travel Total 2 — 0 Calves at sighting
F	0	1	2	29 15:32:00 PDT 22:32-GMT S Er Gray whale (northbound) Position: 154° / 2,094 m Dir: West; Behavior: Slow travel Total 1 — 0 Calves at sighting
F	0	1	2	30 15:37:00 PDT 22:37-GMT SV Oil services Crew boat Position: 293° / 3,288 m Dir: South 1 vessel
G	0	2	3	31 15:42:00 PDT 22:42-GMT S Er Gray whale (northbound) ; Behavior: Slow travel Total 2 — 0 Calves at sighting
G	0	2	3	32 15:43:00 PDT 22:43-GMT S Er Gray whale (northbound) Position: 168° / 3,288 m Dir: West; Behavior: Slow travel Total 2 — 0 Calves at sighting
G	0	2	3	33 15:52:00 PDT 22:52-GMT SC Mn Humpback whale Position: 204° / 3,288 m Dir: East; Behavior: Slow travel Total 2 — 0 Calves at sighting
G	0	2	3	34 16:05:00 PDT 23:05-GMT S Er Gray whale (northbound) Position: 145° / 418 m Dir: West; Behavior: Slow travel • Fluke Total 1 — 0 Calves at sighting
G	0	2	3	35 16:19:00 PDT 23:19-GMT SV Private Position: 116° / 1,778 m Dir: West 1 vessel
G	0	2	3	36 16:35:00 PDT 23:35-GMT S Er Gray whale (northbound) Position: 103° / 2,553 m Dir: West; Behavior: Slow travel Total 2 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

Mar 09		Day 36 of 105		Number	Time Code	Species / Vessel Type	
Quality	CCvr	Bft	Vis				
P	75	4	1.7	01	9:05:00 PDT SC	16:05-GMT ULW unidentified large whale Position: 140° / 3,288 m Dir: West; Behavior: not indicated	Total 2 — 0 Calves at sighting
P	75	4	1.7	02	9:05:00 PDT SO	16:05-GMT Ei Southern Sea otter Position: 124° / 623 m Dir: ni; Behavior: in kelp • on back, feeding	Total 1 — 0 Pups at sighting
P	75	4	1.7	03	9:37:00 PDT SC	16:37-GMT ULW unidentified large whale Position: 191° / 1,778 m Dir: West; Behavior: not indicated	Total 1 — 0 Calves at sighting
P	75	4	1.7	04	9:46:00 PDT SC	16:46-GMT Mn Humpback whale Position: 184° / 12,565 m Dir: nd; Behavior: Breach	
F	0	3	2	05	10:56:00 PDT S	17:56-GMT Er Gray whale (northbound) Position: 143° / 4,712 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F	0	3	2	06	11:24:00 PDT S	18:24-GMT Er Gray whale (northbound) Position: 167° / 812 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	0	3	2	07	11:41:00 PDT SC	18:41-GMT Mn Humpback whale Position: 124° / 2,872 m Dir: ; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
F	0	3	2	08	11:43:00 PDT SV	18:43-GMT Oil services Crew boat Position: 247° / 3,288 m Dir: South	1 vessel
F	0	3	2	09	11:58:00 PDT S	18:58-GMT Er Gray whale (northbound) Position: 118° / 1,546 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	0	3	2	10	12:23:00 PDT S	19:23-GMT Er Gray whale (northbound) Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	0	3	2	11	12:54:00 PDT S	19:54-GMT Er Gray whale (northbound) Position: 145° / 1,294 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	0	3	2	12	12:58:00 PDT SC	19:58-GMT Tt Bottlenose dolphin Position: 168° / 449 m Dir: East; Behavior: not indicated	Total 3 — 0 Calves at sighting
F	0	3	2	13	13:09:00 PDT SC	20:09-GMT ULW unidentified large whale Position: 204° / 3,288 m Dir: West; Behavior: not indicated	Total 1 — 0 Calves at sighting
F	0	3	2	14	13:11:00 PDT SC	20:11-GMT Tt Bottlenose dolphin Position: 163° / 449 m Dir: East; Behavior: not indicated	Total 3 — 0 Calves at sighting
F	0	3	2	15	13:14:00 PDT SV	20:14-GMT Oil services Crew boat Position: 236° / 3,288 m Dir: South	1 vessel
F	0	3	2	16	13:15:00 PDT SC	20:15-GMT Tt Bottlenose dolphin Position: 215° / 327 m Dir: East; Behavior: not indicated	Total 2 — 0 Calves at sighting
F	0	3	2	Void 17	PDT void	7:-GMT	
F	0	3	2	18	13:26:00 PDT S	20:26-GMT Er Gray whale (northbound) Position: 110° / 2,872 m Dir: West; Behavior: Slow travel	Total 6 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P	0	5	1.7	Off-Effort 19
		13:43:00 PDT	20:43-GMT	
		SC	Tt Bottlenose dolphin	Total 6 — 0 Calves at sighting
			Position: 115° / 1,778 m Dir: West; Behavior: not indicated	

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Quality CCwr Bft Vis

F	10	1	2	01	9:00:00 PDT	16:00-GMT	El Southern Sea otter	Total 1 — 0 Pups at sighting
					SO		Position: 123° / 418 m Dir: Stationary; Behavior: in kelp • on back, feeding	
F	10	1	2	02	9:00:00 PDT	16:00-GMT	El Southern Sea otter	
					SO		Position: 117° / 840 m Dir: Stationary; Behavior: in kelp	
F	10	1	2	03	9:17:00 PDT	16:17-GMT	Er Gray whale (northbound)	Total 2 — 0 Calves at sighting
					S		Position: 100° / 3,288 m Dir: West; Behavior: Slow travel	
F	10	1	2	04	9:21:00 PDT	16:21-GMT	Er Gray whale (northbound)	Total 1 — 0 Calves at sighting
					S		Position: 124° / 1,369 m Dir: West; Behavior: Slow travel	
F	10	0	2	05	9:40:00 PDT	16:40-GMT	Tt Bottlenose dolphin	Total 2 — 0 Calves at sighting
					SC		Position: 109° / 2,872 m Dir: West; Behavior: Slow travel	
F	10	0	2	06	10:01:00 PDT	17:01-GMT	Tt Bottlenose dolphin	Total 5 — 0 Calves at sighting
					SC		Position: 126° / 1,369 m Dir: West; Behavior: Moderate travel	
F	10	0	2	07	10:11:00 PDT	17:11-GMT	Sportfish-private Fishtail SB	1 vessel
					SV		Position: 116° / 2,553 m Dir: West	
F	10	1	2	08	10:29:00 PDT	17:29-GMT	Tt Bottlenose dolphin	Total 4 — 0 Calves at sighting
					SC		Position: 130° / 1,019 m Dir: West; Behavior: Slow travel	
F	10	1	2	09	10:33:00 PDT	17:33-GMT	Fish-commercial Bella Marie	1 vessel
					SV		Position: 120° / 2,872 m Dir: West	
F	10	1	2	10	10:39:00 PDT	17:39-GMT	Tt Bottlenose dolphin	Total 3 — 0 Calves at sighting
					SC		Position: 175° / 715 m Dir: East; Behavior: Milling	
F	10	1	2	11	10:41:00 PDT	17:41-GMT	Er Gray whale (northbound)	Total 2 — 0 Calves at sighting
					S		Position: 97° / 3,288 m Dir: West; Behavior: Slow travel	
F	10	1	2	12	10:53:00 PDT	17:53-GMT	Fish-commercial Net Lady Olga	1 vessel
					SV		Position: 103° / 2,872 m Dir: West	
F	10	1	2	13	11:55:00 PDT	18:55-GMT	Oil services Crew boat	1 vessel
					SV		Position: 275° / 3,288 m Dir: South	
F	10	1	2	14	11:59:00 PDT	18:59-GMT	Tt Bottlenose dolphin	Total 5 — 0 Calves at sighting
					SC		Position: 245° / 378 m Dir: East; Behavior: Slow travel	
F	10	2	2	15	12:41:00 PDT	19:41-GMT	Oil services Crew boat	1 vessel
					SV		Position: 238° / 2,872 m Dir: South	
F	10	2	2	16	12:48:00 PDT	19:48-GMT	Fish-trap-commercial Kaylee J	1 vessel
					SV		Position: 113° / 2,872 m Dir: West	
F	10	2	2	17	12:56:00 PDT	19:56-GMT	Er Gray whale (northbound)	Total 3 — 0 Calves at sighting
					S		Position: 131° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 10 1 2	18	13:11:00 PDT	20:11-GMT SC Mn Humpback whale Position: 155° / 3,288 m Dir: East; Behavior: Slow travel • Breach	Total 1 — 0 Calves at sighting
F 10 1 2	19	13:20:00 PDT	20:20-GMT S Er Gray whale (northbound) Position: 141° / 485 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
F 10 1 2	20	13:27:00 PDT	20:27-GMT SV Oil services Crew boat Position: 269° / 3,288 m Dir: South	1 vessel
F 10 1 2	21	13:47:00 PDT	20:47-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 500 m Dir: West	1 vessel
F 10 1 2	22	14:03:00 PDT	21:03-GMT S Er Gray whale (northbound) Position: 142° / 2,094 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 10 1 2	23	14:49:00 PDT	21:49-GMT SV Dive-research UCSB Position: 269° / 1,778 m Dir: East	1 vessel
F 10 1 2	24	15:06:00 PDT	22:06-GMT S Er Gray whale (northbound) Position: 127° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 10 3 2	25	16:03:00 PDT	23:03-GMT S Er Gray whale (northbound) Position: 117° / 2,094 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 10 3 2	26	16:21:00 PDT	23:21-GMT S Er Gray whale (northbound) Position: 218° / 2,094 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

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Quality	CCvr	Bft	Vis	Number	Time Code	Species / Vessel Type	
P	90	0	1.7	01	9:00:00 PDT	16:00-GMT SO El Southern Sea otter Position: 114° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P	90	0	1.7	02	9:02:00 PDT	16:02-GMT SV Fish-trap-commercial Lobster Position: 266° / 2,553 m Dir: Stationary	1 vessel
P	90	0	1.7	03	9:07:00 PDT	16:07-GMT SC Tt Bottlenose dolphin Position: 131° / 1,546 m Dir: Stationary; Behavior: Milling	Total 7 — 0 Calves at sighting
P	90	0	1.7	04	9:18:00 PDT	16:18-GMT SC Tt Bottlenose dolphin Position: 126° / 715 m Dir: West; Behavior: Slow travel	Total 8 — 1 Calf at sighting
P	90	0	1.7	05	9:20:00 PDT	16:20-GMT SC Tt Bottlenose dolphin Position: 131° / 1,778 m Dir: Stationary; Behavior: Milling	Total 3 — 0 Calves at sighting
P	90	0	1.7	06	9:34:00 PDT	16:34-GMT S Er Gray whale (northbound) Position: 135° / 607 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	90	0	1.7	07	9:43:00 PDT	16:43-GMT SV Oil services Position: 271° / 3,288 m Dir: North	1 vessel
P	90	0	1.7	08	9:50:00 PDT	16:50-GMT S Er Gray whale (northbound) Position: 109° / 1,778 m Dir: West; Behavior: Slow travel • Rolling	Total 2 — 0 Calves at sighting
P	90	0	1.7	09	9:50:00 PDT	16:50-GMT SC Tt Bottlenose dolphin Position: 110° / 1,778 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 90 0 1.7	10	9:55:00 PDT SC	16:55-GMT Tt Bottlenose dolphin Position: 120° / 2,553 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
P 90 0 1.7	11	10:01:00 PDT SV	17:01-GMT Dive-research UCSB Position: 192° / 2,553 m Dir: East	1 vessel
P 90 0 1.7	12	10:11:00 PDT SV	17:11-GMT Sailboat (motor) Position: 144° / 2,094 m Dir: West	1 vessel
P 90 0 1.7	13	10:14:00 PDT S	17:14-GMT Er Gray whale (northbound) Position: 219° / 551 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 90 0 1.7	14	10:14:00 PDT SV	17:14-GMT Helicopter Position: 174° / 500 m Dir: West	1 vessel
P 90 0 1.7	15	10:21:00 PDT SV	17:21-GMT Fish-commercial Lady Olga Position: 272° / 1,778 m Dir: Stationary	1 vessel
P 90 0 1.7	16	10:36:00 PDT SO	17:36-GMT El Southern Sea otter Position: 112° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 90 0 1.7	17	10:37:00 PDT SV	17:37-GMT Oil services Position: 274° / 3,288 m Dir: South	1 vessel
P 80 2 1.7	18	10:57:00 PDT S	17:57-GMT Er Gray whale (northbound) Position: 157° / 675 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 75 2 1.7	19	11:08:00 PDT SV	18:08-GMT Dive-research UCSB Position: 270° / 1,778 m Dir: East	1 vessel
P 75 2 1.7	20	11:25:00 PDT SV	18:25-GMT Oil services Crew boat Position: 244° / 2,872 m Dir: South	1 vessel
P 90 1 1.7	21	11:26:00 PDT SV	18:26-GMT Fish-commercial Tytan Position: 262° / 2,553 m Dir: East	1 vessel
P 90 1 1.7	22	11:29:00 PDT SV	18:29-GMT Oil services Crew boat Position: 278° / 3,288 m Dir: North	1 vessel
P 90 1 1.7	23	11:32:00 PDT SC	18:32-GMT Tt Bottlenose dolphin Position: 144° / 840 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 90 1 1.7	24	11:50:00 PDT SC	18:50-GMT Tt Bottlenose dolphin Position: 271° / 449 m Dir: West; Behavior: Slow travel	Total 6 — 0 Calves at sighting
P 90 1 1.7	25	11:51:00 PDT SC	18:51-GMT Mn Humpback whale Position: 175° / 3,288 m Dir: East; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting
P 100 2 1.7	26	12:41:00 PDT SV	19:41-GMT Sailboat The Crab Net Position: 136° / 2,872 m Dir: West	1 vessel
F 100 1 1.7	27	13:04:00 PDT SV	20:04-GMT Oil services Crew boat Position: 171° / 2,872 m Dir: South	1 vessel
F 100 1 1.7	28	13:30:00 PDT SC	20:30-GMT Mn Humpback whale Position: 170° / 3,288 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type			
F	100	1	1.7	29	14:15:00 PDT	21:15-GMT SV Fish-commercial Position: 251° / 2,553 m Dir: East	1 vessel		
F	100	1	1.7	30	14:31:00 PDT	21:31-GMT SC Tt Bottlenose dolphin Position: 123° / 675 m Dir: West; Behavior: Milling • Moderate travel	Total 10 — 2 Calves	at sighting	
F	100	1	1.7	31	14:53:00 PDT	21:53-GMT SV Fish-trap-commercial Lobster Position: 261° / 2,872 m Dir: East	1 vessel		
F	100	1	1.7	32	15:17:00 PDT	22:17-GMT S Er Gray whale (northbound) Position: 114° / 1,546 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves	at sighting	
F	100	1	1.7	33	15:17:00 PDT	22:17-GMT SC Tt Bottlenose dolphin Position: 114° / 1,546 m Dir: Stationary; Behavior: Milling	Total 10 — 0 Calves	at sighting	
F	100	1	1.7	34	16:05:00 PDT	23:05-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 300 m Dir: West	1 vessel		
F	100	1	1.7	35	16:31:00 PDT	23:31-GMT SO El Southern Sea otter Position: 160° / 232 m Dir: West; Behavior: not indicated	Total 1 — 0 Pups	at sighting	
F	100	1	1.7	36	16:37:00 PDT	23:37-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 134° / 500 m Dir: West	1 vessel		
F	100	1	1.7	37	16:41:00 PDT	23:41-GMT SC Tt Bottlenose dolphin Position: 261° / 466 m Dir: Stationary; Behavior: Milling	Total 8 — 0 Calves	at sighting	
F	100	1	1.7	38	16:43:00 PDT	23:43-GMT S Er Gray whale (northbound) Position: 121° / 3,288 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves	at sighting	
F	100	1	1.7	39	16:57:00 PDT	23:57-GMT SC ULW unidentified large whale Position: 133° / 4,712 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves	at sighting	
<hr/>									
Mar 12		Day 39 of 105							
Quality	CCvr	Bft	Vis						
F	0	0	1.7	01	9:00:00 PDT	16:00-GMT SO El Southern Sea otter Position: 120° / 578 m Dir: ni; Behavior: in kelp • on back, resting	Total 2 — 0 Pups	at sighting	
F	0	0	1.7	02	9:02:00 PDT	16:02-GMT SV Oil services Crew boat Position: 236° / 2,872 m Dir: South	1 vessel		
F	0	0	1.7	03	9:07:00 PDT	16:07-GMT SV Oil services Crew boat Position: 269° / 3,288 m Dir: North	1 vessel		
F	0	0	1.7	04	9:14:00 PDT	16:14-GMT S Er Gray whale (northbound) Position: 161° / 1,113 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves	at sighting	
F	0	0	1.7	05	9:21:00 PDT	16:21-GMT SV Fish-commercial Net Position: 184° / 2,094 m Dir: West	1 vessel		
F	0	0	1.7	06	9:46:00 PDT	16:46-GMT SV Dive-research UCSB Position: 134° / 715 m Dir: West	1 vessel		
F	0	0	1.7	07	9:48:00 PDT	16:48-GMT SV Fish-commercial Net Tytan Position: 262° / 2,872 m Dir: West	1 vessel		

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
F 0 1 1.7	08 10:38:00 PDT SV	17:38-GMT Fish-trap-commercial Lobster Provider Position: 107° / 2,553 m Dir: West	1 vessel
F 0 1 1.7	09 10:42:00 PDT SV	17:42-GMT Oil services Crew boat Position: 290° / 3,288 m Dir: South	1 vessel
F 0 1 2	10 11:03:00 PDT S	18:03-GMT Er Gray whale (northbound) Position: 158° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 0 1 2	11 11:18:00 PDT S	18:18-GMT Er Gray whale (northbound) Position: 155° / 1,778 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting
F 0 1 2	12 11:28:00 PDT SV	18:28-GMT Oil services Crew boat Position: 262° / 3,288 m Dir: South	1 vessel
F 0 1 2	13 11:37:00 PDT S	18:37-GMT Er Gray whale (northbound) Position: 129° / 2,872 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 1 2	14 11:41:00 PDT SV	18:41-GMT Fish-commercial Net Lady Olga Position: 254° / 1,778 m Dir: East	1 vessel
F 0 1 2	15 11:47:00 PDT S	18:47-GMT Er Gray whale (northbound) Position: 131° / 639 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 2 2	16 12:59:00 PDT SC	19:59-GMT Mn Humpback whale Position: 141° / 3,288 m Dir: nd; Behavior: not determined	Total 2 — 0 Calves at sighting
F 0 2 2	17 13:27:00 PDT S	20:27-GMT Er Gray whale (northbound) Position: 152° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 0 2 2	18 13:49:00 PDT SC	20:49-GMT Tt Bottlenose dolphin Position: 164° / 378 m Dir: East; Behavior: Milling	Total 4 — 0 Calves at sighting
F 0 2 2	19 13:52:00 PDT SC	20:52-GMT Tt Bottlenose dolphin Position: 187° / 356 m Dir: East; Behavior: Milling	Total 5 — 0 Calves at sighting
F 0 2 2	20 14:09:00 PDT SV	21:09-GMT Fish-trap-commercial Lobster Position: 137° / 939 m Dir: East	1 vessel
F 0 2 2	21 14:12:00 PDT SV	21:12-GMT Oil services Crew boat Position: 263° / 3,288 m Dir: South	1 vessel
F 0 3 1.7	22 14:26:00 PDT S	21:26-GMT Er Gray whale (northbound) Position: 148° / 1,369 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 3 1.7	23 14:27:00 PDT SV	21:27-GMT Fish-trap-commercial Lobster Kaylee J Position: 184° / 840 m Dir: East	1 vessel
F 0 3 1.7	24 14:32:00 PDT SV	21:32-GMT Fish-trap-commercial Lobster Position: 127° / 2,872 m Dir: West	1 vessel
F 0 3 1.7	25 14:47:00 PDT SV	21:47-GMT Private Position: 267° / 1,778 m Dir: East	1 vessel
F 0 3 1.7	26 14:50:00 PDT SV	21:50-GMT Oil services Crew boat Position: 252° / 2,872 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time	Species / Vessel Type		
					Code			
F	0	3	1.7	27	14:50:00 PDT	21:50-GMT S Er Gray whale (northbound) Position: 134° / 527 m Dir: West; Behavior: Slow travel	Total 1	— 0 Calves at sighting
F	0	3	1.7	28	15:04:00 PDT	22:04-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 600 m Dir: West	1 vessel	
F	0	3	1.7	29	15:44:00 PDT	22:44-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 800 m Dir: West	1 vessel	
F	0	3	1.7	30	15:49:00 PDT	22:49-GMT SV Private Position: 107° / 2,872 m Dir: West	1 vessel	
F	0	3	1.7	31	16:07:00 PDT	23:07-GMT SV Fish-commercial Bella Marie Position: 261° / 3,288 m Dir: East	1 vessel	
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Quality	CCvr	BR	Vis					
F	0	2	1.7	01	9:03:00 PDT	16:03-GMT SV Sportfish-private Position: 119° / 2,553 m Dir: West	1 vessel	
F	0	2	1.7	02	9:06:00 PDT	16:06-GMT SO El Southern Sea otter Position: 114° / 840 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 2	— 0 Pups at sighting
F	0	2	1.7	03	9:46:00 PDT	16:46-GMT SV Whale watching Condor Express Position: 110° / 2,094 m Dir: South	1 vessel	
F	0	2	1.7	04	9:50:00 PDT	16:50-GMT SV Oil services Crew boat Position: 238° / 2,872 m Dir: Stationary	1 vessel	
F	0	2	1.7	05	9:56:00 PDT	16:56-GMT SC ULW unidentified large whale Position: 199° / 3,288 m Dir: nd; Behavior: not indicated	Total 1	— 0 Calves at sighting
F	0	2	1.7	06	10:08:00 PDT	17:08-GMT SV Fish-commercial Net Tytan Position: 264° / 2,553 m Dir: West	1 vessel	
F	0	2	1.7	07	11:09:00 PDT	18:09-GMT SC Mn Humpback whale Position: 169° / 4,712 m Dir: ni; Behavior: Fluke	Total 2	— 0 Calves at sighting
F	0	2	1.7	08	11:27:00 PDT	18:27-GMT S Er Gray whale (northbound) Position: 124° / 1,778 m Dir: West; Behavior: Slow travel	Total 1	— 0 Calves at sighting
F	0	2	1.7	09	12:10:00 PDT	19:10-GMT SO El Southern Sea otter Position: 191° / 125 m Dir: East; Behavior: on back, feeding	Total 1	— 0 Pups at sighting
F	0	2	1.7	10	12:11:00 PDT	19:11-GMT S Er Gray whale (northbound) Position: 116° / 1,369 m Dir: West; Behavior: Slow travel	Total 1	— 0 Calves at sighting
F	0	2	1.7	11	12:22:00 PDT	19:22-GMT SV Fish-trap-commercial Lobster Position: 264° / 1,369 m Dir: East	1 vessel	
F	0	2	1.7	12	12:52:00 PDT	19:52-GMT SV Oil services Crew boat Position: 282° / 2,553 m Dir: South	1 vessel	
F	0	2	1.7	13	13:10:00 PDT	20:10-GMT S Er Gray whale (northbound) Position: 107° / 2,094 m Dir: West; Behavior: Slow travel	Total 2	— 0 Calves at sighting

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
F 0 3 1.7	14 13:31:00 PDT	20:31-GMT S Er Gray whale (northbound) Position: 132° / 4,712 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
F 0 3 1.7	15 13:34:00 PDT	20:34-GMT SV Oil services Crew boat Position: 252° / 2,872 m Dir: South	1 vessel
F 0 3 1.7	16 13:49:00 PDT	20:49-GMT SV Fish-commercial Net Lady Olga Position: 264° / 2,872 m Dir: East	1 vessel
F 0 3 1.7	17 13:50:00 PDT	20:50-GMT SC Mn Humpback whale Position: 244° / 4,712 m Dir: nd; Behavior: Breach • Pec slap • Tail lob	Total 3 — 0 Calves at sighting
F 0 3 1.7	18 14:00:00 PDT	21:00-GMT SV Sportfish-private Position: 251° / 1,294 m Dir: East	1 vessel
F 0 3 1.7	19 14:01:00 PDT	21:01-GMT SC Mn Humpback whale Position: 226° / 3,288 m Dir: West; Behavior: Breach • Pec slap • Tail lob	Total 2 — 0 Calves at sighting
F 0 3 1.7	20 14:14:00 PDT	21:14-GMT SV Sportfish-private Position: 262° / 2,553 m Dir: East	1 vessel
F 0 3 1.7	21 14:22:00 PDT	21:22-GMT SC Tt Bottlenose dolphin Position: 227° / 639 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 0 3 1.7	22 14:28:00 PDT	21:28-GMT SV Fish-commercial Position: 249° / 1,778 m Dir: East	1 vessel
F 0 3 1.7	23 14:39:00 PDT	21:39-GMT SC Tt Bottlenose dolphin Position: 241° / 336 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 3 1.7	24 14:18:00 PDT	21:18-GMT S Er Gray whale (northbound) Position: 274° / 1,546 m Dir: West; Behavior: Slow travel • Rolling	Total 2 — 0 Calves at sighting
F 0 3 1.7	25 15:29:00 PDT	22:29-GMT SC ULW unidentified large whale Position: 165° / 433 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 2 2	26 15:52:00 PDT	22:52-GMT SV Helicopter Position: 219° / 50 m Dir: East	1 vessel
F 0 2 2	27 16:20:00 PDT	23:20-GMT SV Fish-commercial Alamo Position: 252° / 2,094 m Dir: East	1 vessel

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Quality CCvr Bft Vis

P 100 1 1.7	01 9:06:00 PDT	16:06-GMT SV Sportfish-private Position: 126° / 2,553 m Dir: West	1 vessel
P 100 1 1.7	02 9:13:00 PDT	16:13-GMT SC Tt Bottlenose dolphin Position: 270° / 327 m Dir: West; Behavior: not indicated	Total 2 — 0 Calves at sighting
P 100 1 1.7	03 9:33:00 PDT	16:33-GMT SC ULW unidentified large whale Position: 125° / 2,553 m Dir: West; Behavior: not indicated	Total 1 — 0 Calves at sighting
P 100 1 1.7	04 9:46:00 PDT	16:46-GMT S Er Gray whale (northbound) Position: 117° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P	100	1 1.7	05 10:05:00 PDT 17:05-GMT S Er Gray whale (northbound) Position: 240° / 1,113 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	100	1 1.7	06 10:09:00 PDT 17:09-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 132° / 1,294 m Dir: West	1 vessel
P	100	1 1.7	07 10:15:00 PDT 17:15-GMT SV Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel
P	100	1 1.7	08 10:26:00 PDT 17:26-GMT SO El Southern Sea otter Position: 138° / 232 m Dir: Stationary; Behavior: Diving • in kelp	Total 1 — 0 Pups at sighting
P	100	1 1.7	09 10:49:00 PDT 17:49-GMT SO El Southern Sea otter Position: 114° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P	70	1 2	10 11:17:00 PDT 18:17-GMT SV Private Barbara Ann Position: 109° / 2,872 m Dir: West	1 vessel
P	70	1 2	11 11:32:00 PDT 18:32-GMT SV Private Position: 102° / 2,553 m Dir: West	1 vessel
P	60	1 2	12 11:35:00 PDT 18:35-GMT S Er Gray whale (northbound) Position: 115° / 2,872 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F	60	1 2	13 13:13:00 PDT 20:13-GMT SV Sportfish-private Position: 236° / 2,553 m Dir: East	1 vessel
P	100	3 2	14 14:06:00 PDT 21:06-GMT S Er Gray whale (northbound) Position: 120° / 1,294 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	100	3 2	15 14:09:00 PDT 21:09-GMT S Er Gray whale (northbound) Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P	60	3 2	16 14:31:00 PDT 21:31-GMT S Er Gray whale (northbound) Position: 157° / 715 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	40	3 2	17 14:57:00 PDT 21:57-GMT SC Tt Bottlenose dolphin Position: 215° / 367 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	40	3 2	18 15:18:00 PDT 22:18-GMT SV Sportfish-commercial Stardust Position: 270° / 2,094 m Dir: East	1 vessel
F	40	3 2	19 15:20:00 PDT 22:20-GMT SC D sp Common dolphin species Position: 152° / 4,712 m Dir: West; Behavior: Moderate travel	Total 400 — 0 Calves at sighting
F	40	3 2	20 15:51:00 PDT 22:51-GMT S Er Gray whale (northbound) Position: 175° / 2,094 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	5	3 2	21 16:02:00 PDT 23:02-GMT SC Tt Bottlenose dolphin Position: 215° / 378 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	40	4 2	22 16:40:00 PDT 23:40-GMT S Er Gray whale (northbound) Position: 120° / 871 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type			
Mar 15									
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Quality	CCw	Bft	Vis						
P	45	0	1.7	01	8:45:00 PDT	15:45-GMT Er Gray whale (northbound) Position: 234° / 505 m Dir: West; Behavior: Slow travel	Total 1	0 Calves at sighting	
P	45	0	1.7	02	9:12:00 PDT	16:12-GMT Er Gray whale (northbound) Position: 130° / 1,019 m Dir: West; Behavior: Slow travel • Fluke	Total 2	0 Calves at sighting	
P	45	0	1.7	03	9:40:00 PDT	16:40-GMT Private Position: 137° / 2,872 m Dir: West	1 vessel		
P	45	0	1.7	04	9:40:00 PDT	16:40-GMT ULW unidentified large whale Position: 132° / 3,288 m Dir: West; Behavior: Slow travel	Total 1	0 Calves at sighting	
P	45	0	1.7	05	9:49:00 PDT	16:49-GMT Whale watching Condor Express Position: 122° / 2,872 m Dir: South	1 vessel		
P	45	0	1.7	06	10:01:00 PDT	17:01-GMT El Southern Sea otter Position: 112° / 288 m Dir: ni; Behavior: in kelp • on back, resting	Total 1	0 Pups at sighting	
P	45	0	1.7	07	10:02:00 PDT	17:02-GMT El Southern Sea otter Position: 110° / 1,019 m Dir: ni; Behavior: in kelp • on back, resting	Total 1	0 Pups at sighting	
P	40	0	1.7	08	10:19:00 PDT	17:19-GMT Er Gray whale (northbound) Position: 144° / 2,553 m Dir: West; Behavior: Slow travel	Total 1	0 Calves at sighting	
P	40	0	1.7	09	10:38:00 PDT	17:38-GMT Oil services Barge+Tug Jovalan Position: 185° / 2,553 m Dir: East	1 vessel		
P	40	0	1.7	10	10:47:00 PDT	17:47-GMT Er Gray whale (northbound) Position: 168° / 351 m Dir: West; Behavior: not indicated	Total 1	0 Calves at sighting	
P	40	0	1.7	11	11:11:00 PDT	18:11-GMT Tt Bottlenose dolphin Position: 143° / 378 m Dir: West; Behavior: not indicated	Total 2	0 Calves at sighting	
F	35	1	2	12	11:24:00 PDT	18:24-GMT Sportfish-private Position: 116° / 2,872 m Dir: West	1 vessel		
F	35	1	2	13	11:25:00 PDT	18:25-GMT Fish-trap-commercial Lobster Position: 112° / 2,094 m Dir: West	1 vessel		
F	35	1	2	14	11:48:00 PDT	18:48-GMT Private Position: 98° / 2,553 m Dir: West	1 vessel		
F	35	1	2	15	11:59:00 PDT	18:59-GMT Oil services Tug Tractor Tug Position: 175° / 2,872 m Dir: West	1 vessel		
F	35	1	2	16	12:04:00 PDT	19:04-GMT Oil services Crew boat Position: 289° / 3,288 m Dir: South	1 vessel		
F	40	1	2	17	12:14:00 PDT	19:14-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 400 m Dir: West	1 vessel		
F	40	1	2	18	12:24:00 PDT	19:24-GMT Er Gray whale (northbound) Position: 101° / 3,288 m Dir: West; Behavior: Slow travel	Total 2	0 Calves at sighting	

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 40 1 2	19	12:27:00 PDT	19:27-GMT SV Private Position: 134° / 2,872 m Dir: North	1 vessel
F 40 1 2	20	12:35:00 PDT	19:35-GMT SC Tt Bottlenose dolphin Position: 171° / 327 m Dir: East; Behavior: not indicated	Total 2 — 0 Calves at sighting
F 40 1 2	21	12:35:00 PDT	19:35-GMT SC D sp Common dolphin species Position: 149° / 12,565 m Dir: ni; Behavior: not indicated	Total 1000 — 0 Calves at sighting
	Void 22	PDT void	7:-GMT	
F 40 1 2	23	13:50:00 PDT	20:50-GMT SO El Southern Sea otter Position: 111° / 1,019 m Dir: Stationary; Behavior: with gull(s) • in kelp	Total 2 — 0 Pups at sighting
F 40 1 2	24	13:50:00 PDT	20:50-GMT SO El Southern Sea otter Position: 132° / 224 m Dir: Stationary; Behavior: not indicated	Total 1 — 0 Pups at sighting
F 40 1 2	25	14:05:00 PDT	21:05-GMT SC D sp Common dolphin species Position: 184° / 3,288 m Dir: West; Behavior: Moderate travel	Total 500 — 0 Calves at sighting
F 40 1 2	26	14:12:00 PDT	21:12-GMT SV Sportfish-private Position: 142° / 551 m Dir: West	1 vessel
F 40 1 2	27	14:28:00 PDT	21:28-GMT SV Sportfish-private Position: 214° / 1,778 m Dir: West	1 vessel
G 0 2 3	28	15:17:00 PDT	22:17-GMT S Er Gray whale (northbound) Position: 131° / 3,288 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 0 2 3	29	15:25:00 PDT	22:25-GMT SV Fish-commercial Position: 149° / 2,872 m Dir: West	1 vessel
G 0 2 3	30	15:31:00 PDT	22:31-GMT SV Helicopter Military Position: 184° / 10 m Dir: East	1 vessel
G 0 2 3	31	15:38:00 PDT	22:38-GMT SC D sp Common dolphin species Position: 184° / 1,778 m Dir: East; Behavior: Moderate travel • Milling	Total 1000 — 0 Calves at sighting
G 0 2 3	32	15:43:00 PDT	22:43-GMT S Er Gray whale (northbound) Position: 143° / 623 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
G 0 2 3	33	16:22:00 PDT	23:22-GMT SV Sportfish-commercial Stardust Position: 246° / 1,369 m Dir: East	1 vessel
G 0 2 3	34	16:30:00 PDT	23:30-GMT SV Oil services Crew boat Position: 271° / 3,288 m Dir: South	1 vessel
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Quality	CCr	Bft	Vis	
P 0 0 2	01	8:53:00 PDT	15:53-GMT S Er Gray whale (northbound) Position: 261° / 1,369 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 0 0 2	02	9:06:00 PDT	16:06-GMT SO El Southern Sea otter Position: 117° / 247 m Dir: Stationary; Behavior: Swimming • in kelp	Total 1 — 0 Pups at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P	0	0	2	03 9:06:00 PDT SV 16:06-GMT Oil services Barge+Tug Jovalan Position: 266° / 715 m Dir: West 1 vessel
P	0	0	2	04 9:06:00 PDT SV 16:06-GMT Oil services Tug (little) Delilah Position: 266° / 715 m Dir: West 1 vessel
P	0	0	2	05 9:09:00 PDT SV 16:09-GMT Fish-trap-commercial Lobster Ocean Pearl Position: 171° / 1,778 m Dir: West 1 vessel
P	0	0	2	06 9:09:00 PDT SV 16:09-GMT Oil services Crew boat Position: 282° / 3,288 m Dir: North 1 vessel
P	0	0	2	07 9:13:00 PDT SV 16:13-GMT Oil services Crew boat Position: 292° / 3,288 m Dir: South 1 vessel
P	0	0	2	08 9:15:00 PDT SV 16:15-GMT Kelp harvester Position: 95° / 1,778 m Dir: Stationary 1 vessel
P	0	0	2	09 9:18:00 PDT SO 16:18-GMT El Southern Sea otter Position: 106° / 327 m Dir: Stationary; Behavior: Swimming • in kelp Total 1 — 0 Pups at sighting
P	0	0	2	10 9:22:00 PDT S 16:22-GMT Er Gray whale (northbound) Position: 161° / 2,872 m Dir: West; Behavior: Slow travel Total 3 — 0 Calves at sighting
P	0	0	2	11 9:40:00 PDT S 16:40-GMT Er Gray whale (northbound) Position: 194° / 2,553 m Dir: West; Behavior: Slow travel Total 2 — 0 Calves at sighting
P	0	0	2	12 9:41:00 PDT SV 16:41-GMT Oil services Crew boat Position: 294° / 639 m Dir: East 1 vessel
P	0	0	2	13 9:45:00 PDT S 16:45-GMT Er Gray whale (northbound) Position: 136° / 1,228 m Dir: West; Behavior: Slow travel Total 1 — 0 Calves at sighting
P	0	0	2	14 9:54:00 PDT SO 16:54-GMT El Southern Sea otter Position: 232° / 378 m Dir: Stationary; Behavior: in kelp Total 1 — 0 Pups at sighting
P	0	0	2	15 10:24:00 PDT SO 17:24-GMT El Southern Sea otter Position: 106° / 2,553 m Dir: Stationary; Behavior: in kelp • on back, resting Total 1 — 0 Pups at sighting
F	0	1	2	16 10:41:00 PDT S 17:41-GMT Er Gray whale (northbound) Position: 104° / 2,872 m Dir: West; Behavior: Slow travel Total 2 — 0 Calves at sighting
F	0	1	2	17 10:48:00 PDT SV 17:48-GMT Oil services Observation vessel Position: 100° / 3,288 m Dir: West 1 vessel
F	0	1	2	18 11:07:00 PDT SV 18:07-GMT Oil services Crew boat Position: 252° / 3,288 m Dir: South 1 vessel
F	0	1	2	19 11:27:00 PDT SC 18:27-GMT ULW unidentified large whale Position: 145° / 3,288 m Dir: West; Behavior: Fluke Total 2 — 0 Calves at sighting
F	0	1	2	20 11:34:00 PDT SV 18:34-GMT Fish-commercial Position: 124° / 2,094 m Dir: West 1 vessel
F	0	1	2	21 11:39:00 PDT S 18:39-GMT Er Gray whale (northbound) Position: 186° / 715 m Dir: West; Behavior: Slow travel Total 1 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 0 1 2	22	11:58:00 PDT SV	18:58-GMT Fish-trap-commercial Lobster Position: 108° / 2,872 m Dir: West	1 vessel
F 0 1 2	23	12:35:00 PDT SV	19:35-GMT Fish-trap-commercial Lobster Position: 164° / 2,872 m Dir: West	1 vessel
F 0 1 2	24	13:08:00 PDT SV	20:08-GMT Oil services Crew boat Position: 292° / 2,553 m Dir: East	1 vessel
F 0 1 2	25	13:09:00 PDT SV	20:09-GMT Dive-research UCSB Position: 226° / 1,369 m Dir: East	1 vessel
F 0 1 2	26	13:10:00 PDT SC	20:10-GMT Tt Bottlenose dolphin Position: 206° / 263 m Dir: East; Behavior: Slow travel • Milling	Total 3 — 0 Calves at sighting
G 20 1 3	27	14:31:00 PDT S	21:31-GMT Er Gray whale (northbound) Position: 144° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting
F 20 1 2	28	14:48:00 PDT SV	21:48-GMT Oil services Crew boat Position: 275° / 3,288 m Dir: South	1 vessel
F 20 1 2	29	15:00:00 PDT SC	22:00-GMT Tt Bottlenose dolphin Position: 235° / 351 m Dir: East; Behavior: Moderate travel	Total 2 — 0 Calves at sighting
F 20 1 2	30	15:31:00 PDT SV	22:31-GMT Private Position: 112° / 2,872 m Dir: West	1 vessel
F 20 1 2	31	15:45:00 PDT S	22:45-GMT Er Gray whale (northbound) Position: 125° / 1,019 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 20 1 2	32	16:21:00 PDT SV	23:21-GMT Oil services Crew boat Position: 285° / 3,288 m Dir: North	1 vessel
F 20 1 2	33	16:33:00 PDT SV	23:33-GMT Private Position: 110° / 2,872 m Dir: West	1 vessel
F 20 1 2	34	16:22:00 PDT SC	23:22-GMT Tt Bottlenose dolphin Position: 118° / 1,019 m Dir: East; Behavior: Milling	Total 2 — 0 Calves at sighting
F 20 1 2	35	16:54:00 PDT S	23:54-GMT Er Gray whale (northbound) Position: 185° / 275 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
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Quality	CCvr	BR	Vis	
P 40	1	1.7		
	01	9:01:00 PDT SV	16:01-GMT Oil services Barge+Tug Jovalan Position: 272° / 1,294 m Dir: South	1 vessel
P 40	1	1.7		
	02	9:01:00 PDT SV	16:01-GMT Oil services Tug (little) Delilah Position: 271° / 1,294 m Dir: South	1 vessel
P 40	1	1.7		
	03	9:01:00 PDT SV	16:01-GMT Oil services Observation vessel Position: 289° / 1,228 m Dir: Stationary	1 vessel
P 40	1	1.7		
	04	9:20:00 PDT SO	16:20-GMT El Southern Sea otter Position: 167° / 257 m Dir: East; Behavior: Swimming • in kelp	Total 1 — 0 Pups at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P	40	1 1.7	05 9:27:00 PDT S 16:27-GMT Er Gray whale (northbound) Position: 121° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P	40	1 1.7	06 9:31:00 PDT SV 16:31-GMT Sportfish-private Position: 118° / 1,778 m Dir: West	1 vessel
P	40	1 1.7	07 9:54:00 PDT SV 16:54-GMT Sportfish-private Position: 154° / 2,553 m Dir: West	1 vessel
P	35	1 1.7	08 10:16:00 PDT SO 17:16-GMT El Southern Sea otter Position: 113° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, feeding	Total 1 — 0 Pups at sighting
P	35	1 1.7	09 11:07:00 PDT SV 18:07-GMT Oil services Crew boat Position: 269° / 3,288 m Dir: South	1 vessel
P	35	1 1.7	10 11:20:00 PDT SV 18:20-GMT Oil services Crew boat Position: 271° / 3,288 m Dir: South	1 vessel
P	35	1 1.7	11 11:25:00 PDT SO 18:25-GMT El Southern Sea otter Position: 108° / 1,228 m Dir: Stationary; Behavior: Grooming • in kelp	Total 1 — 0 Pups at sighting
P	35	1 1.7	12 11:52:00 PDT SC 18:52-GMT Tt Bottlenose dolphin Position: 115° / 1,369 m Dir: West; Behavior: Slow travel • Milling	Total 3 — 0 Calves at sighting
P	35	1 1.7	13 12:04:00 PDT SV 19:04-GMT Sportfish-private Position: 159° / 2,872 m Dir: West	1 vessel
P	35	1 1.7	14 12:24:00 PDT SC 19:24-GMT Tt Bottlenose dolphin Position: 146° / 551 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P	35	1 1.7	15 12:26:00 PDT S 19:26-GMT Er Gray whale (northbound) Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P	35	1 1.7	16 12:59:00 PDT SC 19:59-GMT Mn Humpback whale Position: 174° / 4,712 m Dir: Stationary; Behavior: Milling	Total 4 — 0 Calves at sighting
P	35	1 1.7	17 13:04:00 PDT SC 20:04-GMT Tt Bottlenose dolphin Position: 127° / 715 m Dir: West; Behavior: Slow travel • Milling	Total 5 — 0 Calves at sighting
P	35	1 1.7	Void 18 PDT void 7:-GMT	
P	35	1 1.7	19 13:14:00 PDT SV 20:14-GMT Helicopter Position: 237° / 20 m Dir: East	1 vessel
P	35	1 1.7	20 13:17:00 PDT S 20:17-GMT Er Gray whale (northbound) Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P	35	1 1.7	21 13:18:00 PDT SV 20:18-GMT Private Position: 104° / 2,872 m Dir: Stationary	1 vessel
P	35	1 1.7	22 13:50:00 PDT SC 20:50-GMT Tt Bottlenose dolphin Position: 274° / 551 m Dir: Stationary; Behavior: Milling	Total 5 — 0 Calves at sighting
P	35	1 1.7	23 14:10:00 PDT SV 21:10-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 124° / 200 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
P 35 1 1.7	24 14:13:00 PDT	21:13-GMT SC Tt Bottlenose dolphin Position: 199° / 378 m Dir: East; Behavior: Slow travel	Total 6 — 0 Calves at sighting
P 35 1 1.7	25 14:29:00 PDT	21:29-GMT SO El Southern Sea otter Position: 117° / 675 m Dir.; Behavior: with gull(s) • in kelp	Total 1 — 0 Pups at sighting
P 35 1 1.7	26 14:31:00 PDT	21:31-GMT SV Oil services Crew boat Position: 285° / 3,288 m Dir: South	1 vessel
P 35 1 1.7	27 15:09:00 PDT	22:09-GMT SV Private Position: 272° / 715 m Dir: East	1 vessel
P 35 1 1.7	28 15:12:00 PDT	22:12-GMT SV Sportfish-private Position: 239° / 1,369 m Dir: North	1 vessel
P 35 1 1.7	Void 29 PDT void	7:-GMT	
P 35 1 1.7	30 15:24:00 PDT	22:24-GMT S Er Gray whale (northbound) Position: 179° / 2,094 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 35 1 1.7	31 15:22:00 PDT	22:22-GMT SV Oil services Crew boat Position: 266° / 3,288 m Dir: South	1 vessel
P 35 1 1.7	32 15:33:00 PDT	22:33-GMT SC Tt Bottlenose dolphin Position: 229° / 715 m Dir: West; Behavior: not indicated	Total 4 — 0 Calves at sighting
P 35 1 1.7	33 16:10:00 PDT	23:10-GMT S Er Gray whale (northbound) Position: 140° / 871 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 35 1 1.7	34 16:27:00 PDT	23:27-GMT S Er Gray whale (northbound) Position: 200° / 1,369 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 35 1 1.7	35 16:28:00 PDT	23:28-GMT SV Sportfish-private Position: 265° / 1,778 m Dir: East	1 vessel
P 35 1 1.7	36 16:30:00 PDT	23:30-GMT SC Tt Bottlenose dolphin Position: 155° / 639 m Dir: West; Behavior: not indicated	Total 4 — 0 Calves at sighting
P 35 1 1.7	37 16:49:00 PDT	23:49-GMT SC Lo Pacific White-sided dolphin Position: 164° / 3,288 m Dir: West; Behavior: Moderate travel	Total 40 — 0 Calves at sighting
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Quality CCvr BR Vis			
P 0 1 1.7	01 9:05:00 PDT	16:05-GMT SV Oil services Crew boat Position: 269° / 2,872 m Dir: South	1 vessel
P 0 1 1.7	02 9:14:00 PDT	16:14-GMT SO El Southern Sea otter Position: 117° / 761 m Dir: Stationary; Behavior: with gull(s) • Diving • in kelp	Total 1 — 0 Pups at sighting
P 0 1 1.7	03 9:16:00 PDT	16:16-GMT SO El Southern Sea otter Position: 118° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	
P 0 1 1.7	04 9:22:00 PDT	16:22-GMT SV Dive-research UCSB Position: 127° / 2,553 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
P 0 1 1.7	05 9:29:00 PDT SC	16:29-GMT ULW unidentified large whale Position: 119° / 3,288 m Dir: West; Behavior: not indicated	Total 1 — 0 Calves at sighting
P 0 1 1.7	06 10:07:00 PDT SV	17:07-GMT Sportfish-private Position: 97° / 2,872 m Dir: West	1 vessel
P 0 1 1.7	07 10:25:00 PDT SO	17:25-GMT El Southern Sea otter Position: 232° / 346 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 0 1 1.7	08 10:34:00 PDT SC	17:34-GMT Tt Bottlenose dolphin Position: 282° / 639 m Dir: East; Behavior: Moderate travel	Total 4 — 0 Calves at sighting
P 0 1 1.7	09 10:49:00 PDT SV	17:49-GMT Fish-trap-commercial Lobster Kaylee J Position: 110° / 2,553 m Dir: Stationary	1 vessel
P 0 1 1.7	10 11:33:00 PDT SV	18:33-GMT Oil services Crew boat Position: 250° / 2,872 m Dir: South	1 vessel
P 0 1 1.7	11 11:35:00 PDT SV	18:35-GMT Oil services Crew boat Position: 282° / 3,288 m Dir: South	1 vessel
P 0 1 1.7	12 11:54:00 PDT SV	18:54-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 200 m Dir: West	1 vessel
F 0 1 2	13 12:01:00 PDT S	19:01-GMT Er Gray whale (northbound) Position: 122° / 1,369 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 1 2	14 12:28:00 PDT SV	19:28-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: East	1 vessel
F 0 1 2	15 12:56:00 PDT SC	19:56-GMT ULW unidentified large whale Position: 181° / 12,565 m Dir: nd; Behavior: Breach	Total 1 — 0 Calves at sighting
F 0 1 2	16 14:17:00 PDT SO	21:17-GMT El Southern Sea otter Position: 153° / 578 m Dir: Stationary; Behavior: Diving	Total 1 — 0 Pups at sighting
F 0 1 2	17 14:26:00 PDT S	21:26-GMT Er Gray whale (northbound) Position: 117° / 1,778 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 0 1 2	18 14:38:00 PDT SV	21:38-GMT Oil services Crew boat Position: 235° / 2,553 m Dir: South	1 vessel
F 0 1 2	19 14:58:00 PDT SV	21:58-GMT Dive-research UCSB Position: 267° / 2,553 m Dir: East	1 vessel
F 0 1 2	20 15:48:00 PDT SC	22:48-GMT Tt Bottlenose dolphin Position: 115° / 1,294 m Dir: West; Behavior: Moderate travel	Total 7 — 1 Calf at sighting
F 0 1 2	21 15:52:00 PDT SC	22:52-GMT Tt Bottlenose dolphin Position: 215° / 466 m Dir: Stationary; Behavior: Milling	
F 0 1 2	22 16:00:00 PDT S	23:00-GMT Er Gray whale (northbound) Position: 119° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 1 2	23 16:13:00 PDT SV	23:13-GMT Oil services Crew boat Position: 233° / 2,872 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time	Species / Vessel Type		
					Code			
F	0	1	2	24	16:15:00 PDT	23:15-GMT S Er Gray whale (northbound) Position: 214° / 1,778 m Dir: West; Behavior: Slow travel	Total 4	— 0 Calves at sighting
F	0	1	2	25	16:28:00 PDT	23:28-GMT SV Fish-trap-commercial Lobster Position: 252° / 1,228 m Dir: East	1 vessel	
F	0	1	2	27	16:52:00 PDT	23:52-GMT SC Tt Bottlenose dolphin Position: 175° / 390 m Dir: East; Behavior: Moderate travel	Total 2	— 0 Calves at sighting
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Quality	CCvr	BR	Vis					
F	100	1	2	01	13:02:00 PDT	20:02-GMT SC Tt Bottlenose dolphin Position: 155° / 404 m Dir: East; Behavior: Slow travel	Total 6	— 1 Calf at sighting
F	100	1	2	02	13:17:00 PDT	20:17-GMT SC Tt Bottlenose dolphin Position: 108° / 2,553 m Dir: nd; Behavior: Milling		
F	100	1	2	03	13:48:00 PDT	20:48-GMT S Er Gray whale (northbound) Position: 97° / 3,288 m Dir: West; Behavior: Slow travel • Fluke	Total 1	— 0 Calves at sighting
F	100	1	2	04	13:39:00 PDT	20:39-GMT SV Private Position: 97° / 3,288 m Dir: West	1 vessel	
F	100	1	2	05	13:50:00 PDT	20:50-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 104° / 2,872 m Dir: West	1 vessel	
F	100	1	2	06	13:52:00 PDT	20:52-GMT SV Private Position: 100° / 2,553 m Dir: West	1 vessel	
F	100	1	2	07	14:42:00 PDT	21:42-GMT SV Sportfish-private Position: 254° / 1,778 m Dir: East	1 vessel	
F	100	1	2	08	14:47:00 PDT	21:47-GMT SV Sportfish-private Position: 281° / 1,546 m Dir: East	1 vessel	
F	100	2	2	09	14:49:00 PDT	21:49-GMT SO El Southern Sea otter Position: 214° / 157 m Dir: nd; Behavior: Grooming	Total 1	— 0 Pups at sighting
F	100	2	2	10	15:48:00 PDT	22:48-GMT SC Tt Bottlenose dolphin Position: 132° / 418 m Dir: West; Behavior: Slow travel	Total 2	— 0 Calves at sighting
F	100	2	2	11	15:52:00 PDT	22:52-GMT SC Mn Humpback whale Position: 154° / 3,288 m Dir: nd; Behavior: Breach • Fluke	Total 2	— 0 Calves at sighting
F	100	3	2	12	16:35:00 PDT	23:35-GMT SC Tt Bottlenose dolphin Position: 131° / 466 m Dir: West; Behavior: not indicated	Total 2	— 0 Calves at sighting
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Quality	CCvr	BR	Vis					
F	0	3	1.7	01	9:45:00 PDT	16:45-GMT SV Oil services Crew boat Position: 286° / 2,872 m Dir: South	1 vessel	
F	0	3	2	02	10:15:00 PDT	17:15-GMT SO El Southern Sea otter Position: 114° / 378 m Dir: Stationary; Behavior: Diving • in kelp	Total 1	— 0 Pups at sighting

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
F 0 3 2	03 10:28:00 PDT	17:28-GMT S Er Gray whale (northbound) Position: 196° / 607 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 0 3 2	04 10:49:00 PDT	17:49-GMT S Er Gray whale (northbound) Position: 131° / 3,288 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 3 2	05 11:19:00 PDT	18:19-GMT SV Oil services Crew boat Position: 272° / 2,872 m Dir: South	1 vessel
F 0 3 2	06 11:22:00 PDT	18:22-GMT SC ULW unidentified large whale Position: 146° / 3,288 m Dir: West; Behavior: not indicated	Total 1 — 0 Calves at sighting
G 0 2 2	07 12:22:00 PDT	19:22-GMT S Er Gray whale (northbound) Position: 139° / 2,872 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
G 0 3 2	08 13:11:00 PDT	20:11-GMT SV Oil services Crew boat Position: 274° / 2,872 m Dir: South	1 vessel
G 0 2 2	09 13:52:00 PDT	20:52-GMT SV Oil services Crew boat Position: 276° / 3,288 m Dir: North	1 vessel
G 0 2 2	10 13:59:00 PDT	20:59-GMT S Er Gray whale (northbound) Position: 127° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 0 2 2	11 14:30:00 PDT	21:30-GMT SV Private Boston Whaler Position: 254° / 505 m Dir: East	1 vessel
G 0 2 2	12 14:35:00 PDT	21:35-GMT SV Oil services Crew boat Position: 261° / 2,872 m Dir: South	1 vessel
G 0 2 2	13 14:55:00 PDT	21:55-GMT SC ULW unidentified large whale Position: 183° / 12,565 m Dir: Stationary; Behavior: Breach	
G 0 2 2	14 15:00:00 PDT	22:00-GMT SC Tt Bottlenose dolphin Position: 127° / 840 m Dir: West; Behavior: not indicated	Total 2 — 0 Calves at sighting
G 0 2 2	15 15:05:00 PDT	22:05-GMT SC Tt Bottlenose dolphin Position: 152° / 505 m Dir: West; Behavior: not indicated	Total 5 — 0 Calves at sighting
G 0 2 2	16 15:09:00 PDT	22:09-GMT S Er Gray whale (northbound) Position: 122° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	Total 5 — 0 Calves at sighting
G 0 2 2	17 15:25:00 PDT	22:25-GMT SC Tt Bottlenose dolphin Position: 127° / 840 m Dir: West; Behavior: not indicated	Total 4 — 0 Calves at sighting
G 0 2 2	18 15:35:00 PDT	22:35-GMT SC Oo Killer whale Position: 188° / 4,712 m Dir: West; Behavior: not indicated	Total 4 — 0 Calves at sighting
G 0 2 2	19 16:14:00 PDT	23:14-GMT SC Tt Bottlenose dolphin Position: 137° / 1,019 m Dir: West; Behavior: not indicated	Total 3 — 0 Calves at sighting
G 0 2 2	20 16:19:00 PDT	23:19-GMT S Er Gray whale (northbound) Position: 119° / 1,546 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 0 2 2	21 16:38:00 PDT	23:38-GMT SC Oo Killer whale Position: 230° / 3,288 m Dir: West; Behavior: not indicated	Total 4 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

				Number	Time	Species / Vessel Type			
					Code				
Mar 24				Day 51 of 105					
Quality	CCvr	Bft	Vis						
F	0	1	2	01	9:59:00 PDT	16:59-GMT El Southern Sea otter	Total 1	0 Pups at sighting	
					SO	Position: 110° / 840 m Dir: Stationary; Behavior: in kelp • on back, resting			
F	0	1	2	02	10:06:00 PDT	17:06-GMT Er Gray whale (northbound)	Total 1	0 Calves at sighting	
					S	Position: 151° / 639 m Dir: West; Behavior: Slow travel			
F	0	1	2	03	10:33:00 PDT	17:33-GMT Oil services Crew boat	1 vessel		
					SV	Position: 274° / 3,288 m Dir: West			
F	0	1	2	04	10:39:00 PDT	17:39-GMT Helicopter Coast Guard	1 vessel		
					SV	Position: 97° / 800 m Dir: West			
F	0	1	2	05	11:36:00 PDT	18:36-GMT El Southern Sea otter	Total 1	0 Pups at sighting	
					SO	Position: 119° / 715 m Dir: Stationary; Behavior: Diving			
F	0	1	2	06	11:38:00 PDT	18:38-GMT Fish-trap-commercial Lobster	1 vessel		
					SV	Position: 114° / 2,553 m Dir: West			
F	0	1	2	07	11:40:00 PDT	18:40-GMT Sportfish-private	1 vessel		
					SV	Position: 106° / 2,553 m Dir: West			
F	0	1	2	08	11:49:00 PDT	18:49-GMT Oil services Crew boat	1 vessel		
					SV	Position: 272° / 2,872 m Dir: South			
F	0	1	2	09	12:07:00 PDT	19:07-GMT Tt Bottlenose dolphin	Total 3	0 Calves at sighting	
					SC	Position: 208° / 327 m Dir: East; Behavior: Slow travel			
F	0	1	2	10	12:48:00 PDT	19:48-GMT Er Gray whale (northbound)	Total 1	0 Calves at sighting	
					S	Position: 119° / 1,019 m Dir: West; Behavior: Slow travel • Fluke			
F	0	1	2	11	13:19:00 PDT	20:19-GMT El Southern Sea otter	Total 1	0 Pups at sighting	
					SO	Position: 170° / 208 m Dir: West; Behavior: Diving • in kelp • in surf zone			
F	0	1	2	12	13:32:00 PDT	20:32-GMT Tt Bottlenose dolphin	Total 3	0 Calves at sighting	
					SC	Position: 170° / 275 m Dir: East; Behavior: Slow travel			
F	0	1	2	13	13:55:00 PDT	20:55-GMT Helicopter SBOP (Silver + Blue with Orange on	1 vessel		
					SV	Position: 174° / 300 m Dir: West			
G	0	2	3	14	14:05:00 PDT	21:05-GMT Er Gray whale (northbound)	Total 4	0 Calves at sighting	
					S	Position: 126° / 3,288 m Dir: West; Behavior: Slow travel • Rolling			
G	0	2	3	15	14:40:00 PDT	21:40-GMT Oil services Crew boat	1 vessel		
					SV	Position: 271° / 3,288 m Dir: South			
G	0	2	3	16	14:53:00 PDT	21:53-GMT Tt Bottlenose dolphin	Total 4	0 Calves at sighting	
					SC	Position: 124° / 639 m Dir: West; Behavior: Slow travel			
G	0	2	3	17	15:12:00 PDT	22:12-GMT Er Gray whale (northbound)	Total 3	0 Calves at sighting	
					S	Position: 109° / 2,553 m Dir: West; Behavior: Slow travel			
G	0	2	3	18	15:22:00 PDT	22:22-GMT Tt Bottlenose dolphin	Total 5	0 Calves at sighting	
					SC	Position: 184° / 257 m Dir: East; Behavior: Slow travel • Milling			

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type	
G	0	2	3	19	15:37:00 PDT	22:37-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 500 m Dir: West	1 vessel
F	0	2	3	20	16:32:00 PDT	23:32-GMT S Er Gray whale (northbound) Position: 144° / 1,019 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	0	2	3	21	16:52:00 PDT	23:52-GMT SV Oil services Crew boat Position: 279° / 3,288 m Dir: South	1 vessel
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Quality	CCw	Bft	Vis				
F	30	1	1.7	01	9:20:00 PDT	16:20-GMT S Er Gray whale (northbound) Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	30	1	1.7	02	9:23:00 PDT	16:23-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 182° / 812 m Dir: Stationary	1 vessel
F	30	1	1.7	03	9:34:00 PDT	16:34-GMT SC ULW unidentified large whale Position: 100° / 3,288 m Dir: West; Behavior: not indicated	Total 1 — 0 Calves at sighting
F	30	1	1.7	04	9:38:00 PDT	16:38-GMT SC Tt Bottlenose dolphin Position: 132° / 505 m Dir: East; Behavior: Slow travel	Total 12 — 0 Calves at sighting
F	30	1	1.7	05	9:52:00 PDT	16:52-GMT S Er Gray whale (northbound) Position: 109° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	30	1	1.7	06	9:54:00 PDT	16:54-GMT SV Oil services Crew boat Position: 274° / 3,288 m Dir: North	1 vessel
F	30	1	1.7	07	10:34:00 PDT	17:34-GMT SV Oil services Position: 289° / 3,288 m Dir: South	1 vessel
F	0	0	1.7	08	10:49:00 PDT	17:49-GMT S Er Gray whale (northbound) Position: 113° / 1,778 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	0	0	1.7	09	11:31:00 PDT	18:31-GMT SO El Southern Sea otter Position: 126° / 418 m Dir: Stationary; Behavior: with gull(s) • in open water • on back, feeding	Total 1 — 0 Pups at sighting
F	0	0	1.7	10	11:34:00 PDT	18:34-GMT SV Oil services Crew boat Position: 274° / 2,872 m Dir: North	1 vessel
F	0	0	1.7	11	11:36:00 PDT	18:36-GMT SV Private Position: 186° / 2,094 m Dir: East	1 vessel
F	0	0	1.7	12	11:54:00 PDT	18:54-GMT SV Oil services Crew boat Position: 279° / 3,288 m Dir: South	1 vessel
F	0	2	1.7	13	12:02:00 PDT	19:02-GMT SV Fish-trap-commercial Lobster Position: 113° / 2,872 m Dir: West	1 vessel
F	0	2	1.7	14	12:43:00 PDT	19:43-GMT SC D sp Common dolphin species Position: 192° / 2,872 m Dir: East; Behavior: Moderate travel	Total 250 — 0 Calves at sighting
F	0	0	1.7	15	13:21:00 PDT	20:21-GMT SO El Southern Sea otter Position: 105° / 715 m Dir: Stationary; Behavior: in kelp • on back, resting	

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 0 0 1.7	16	13:24:00 PDT	20:24-GMT S Er Gray whale (northbound) Position: 150° / 1,228 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 0 1.7	17	14:08:00 PDT	21:08-GMT SC Mn Humpback whale Position: 177° / 3,288 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 0 1.7	18	14:10:00 PDT	21:10-GMT SV Helicopter Coast Guard Position: 184° / 30 m Dir: East	1 vessel
F 0 0 1.7	19	14:17:00 PDT	21:17-GMT S Er Gray whale (northbound) Position: 124° / 1,113 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 0 1.7	20	14:55:00 PDT	21:55-GMT SV Oil services Crew boat Position: 255° / 2,872 m Dir: South	1 vessel
F 0 0 1.7	21	15:33:00 PDT	22:33-GMT S Er Gray whale (northbound) Position: 125° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting • Fluke
F 0 0 1.7	22	15:47:00 PDT	22:47-GMT S Er Gray whale (northbound) Position: 140° / 1,228 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 0 1.7	23	16:09:00 PDT	23:09-GMT S Er Gray whale (northbound) Position: 189° / 318 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting • Rolling
F 10 3 1.7	24	16:28:00 PDT	23:28-GMT S Er Gray whale (northbound) Position: 162° / 761 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 10 3 1.7	25	16:58:00 PDT	23:58-GMT SC Mn Humpback whale Position: 197° / 4,712 m Dir: nd; Behavior: Breach	Total 1 — 0 Calves at sighting
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Quality	CCvr	Bft	Vis	
F 20 0 1.7	01	9:09:00 PDT	16:09-GMT SC Tt Bottlenose dolphin Position: 169° / 302 m Dir: West; Behavior: Slow travel	Total 9 — 0 Calves at sighting
F 20 0 1.7	02	9:12:00 PDT	16:12-GMT SV Oil services Crew boat Position: 232° / 2,553 m Dir: Stationary	1 vessel
F 20 0 1.7	03	9:16:00 PDT	16:16-GMT SC Tt Bottlenose dolphin Position: 136° / 449 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting • Milling
F 20 1 1.7	04	9:19:00 PDT	16:19-GMT SC Tt Bottlenose dolphin Position: 119° / 433 m Dir: West; Behavior: not indicated	Total 3 — 0 Calves at sighting
P 30 4 1.7	05	9:26:00 PDT	16:26-GMT S Er Gray whale (northbound) Position: 136° / 2,553 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 20 1 1.7	06	9:37:00 PDT	16:37-GMT SC Tt Bottlenose dolphin Position: 158° / 418 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 20 3 1.7	07	10:00:00 PDT	17:00-GMT SO El Southern Sea otter Position: 101° / 1,019 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting • on back, resting
P 20 3 1.7	08	10:22:00 PDT	17:22-GMT SC Tt Bottlenose dolphin Position: 192° / 295 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 20 3 1.7	09	11:14:00 PDT	18:14-GMT SC Tt Bottlenose dolphin Position: 141° / 485 m Dir: West; Behavior: Slow travel	Total 7 — 0 Calves at sighting
P 20 3 1.7	10	11:20:00 PDT	18:20-GMT SC Tt Bottlenose dolphin Position: 117° / 761 m Dir: West; Behavior: Slow travel • Milling	Total 3 — 0 Calves at sighting
P 20 3 1.7	11	11:28:00 PDT	18:28-GMT SV Oil services Crew boat Position: 274° / 3,288 m Dir: South	1 vessel
P 20 5 1.7 Off-Effort	12	11:50:00 PDT	18:50-GMT SC Tt Bottlenose dolphin Position: 201° / 378 m Dir: West; Behavior: not indicated	Total 2 — 0 Calves at sighting
P 20 5 1.7 Off-Effort	13	11:57:00 PDT	18:57-GMT SO El Southern Sea otter Position: 147° / 404 m Dir: Stationary; Behavior: with gull(s) • in open water • on back, feeding	Total 1 — 0 Pups at sighting
P 20 5 1.7 Off-Effort	14	12:01:00 PDT	19:01-GMT SC Tt Bottlenose dolphin Position: 146° / 378 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 20 5 1.7 Off-Effort	15	12:09:00 PDT	19:09-GMT SO El Southern Sea otter Position: 179° / 195 m Dir: West; Behavior: Swimming	Total 1 — 0 Pups at sighting
P 20 5 1.7 Off-Effort	16	12:18:00 PDT	19:18-GMT SC Tt Bottlenose dolphin Position: 133° / 466 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
P 20 5 1.7 Off-Effort	17	12:36:00 PDT	19:36-GMT SC Tt Bottlenose dolphin Position: 132° / 378 m Dir: West; Behavior: not indicated	Total 6 — 0 Calves at sighting
P 20 5 1.7 Off-Effort	18	13:30:00 PDT	20:30-GMT SC Mn Humpback whale Position: 184° / 3,288 m Dir: West; Behavior: not indicated	Total 3 — 0 Calves at sighting
P 20 5 1.7 Off-Effort	19	14:10:00 PDT	21:10-GMT SC Tt Bottlenose dolphin Position: 184° / 367 m Dir: Stationary; Behavior: Milling	Total 3 — 0 Calves at sighting
P 20 5 1.7 Off-Effort	20	14:15:00 PDT	21:15-GMT SC ULW unidentified large whale Position: 182° / 3,288 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 20 5 1.7 Off-Effort	21	14:35:00 PDT	21:35-GMT SV Oil services Crew boat Position: 252° / 2,872 m Dir: South	1 vessel
P 20 5 1.7 Off-Effort	22	14:57:00 PDT	21:57-GMT SC ULW unidentified large whale Position: 194° / 1,778 m Dir: nd; Behavior: not indicated	Total 1 — 0 Calves at sighting
P 20 5 1.7 Off-Effort	23	15:12:00 PDT	22:12-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
P 20 5 1.7 Off-Effort	24	15:19:00 PDT	22:19-GMT SC Mn Humpback whale Position: 158° / 3,288 m Dir: Stationary; Behavior: Breach	Total 1 — 0 Calves at sighting
P 30 4 1.7	25	16:58:00 PDT	23:58-GMT S Er Gray whale (northbound) Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

Mar 27 Day 54 of 105

Quality CCw Bft Vis

F 0 0 1.7	01	9:00:00 PDT	16:00-GMT SC Tt Bottlenose dolphin Position: 136° / 418 m Dir: East; Behavior: Slow travel	Total 7 — 0 Calves at sighting
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2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 0 0 1.7	02	9:16:00 PDT SV	16:16-GMT Dive-commercial Urchin Position: 111° / 1,778 m Dir: West	1 vessel
F 0 0 1.7	03	9:21:00 PDT SC	16:21-GMT Tt Bottlenose dolphin Position: 254° / 485 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 0 1.7	04	9:28:00 PDT SV	16:28-GMT Sailboat (motor) Position: 145° / 2,872 m Dir: West	1 vessel
F 0 0 1.7	05	9:54:00 PDT SV	16:54-GMT Fish-trap-commercial Lobster Position: 112° / 2,872 m Dir: West	1 vessel
F 0 0 1.7	06	10:26:00 PDT SO	17:26-GMT El Southern Sea otter Position: 106° / 1,228 m Dir: ni; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 0 0 1.7	07	10:34:00 PDT SO	17:34-GMT El Southern Sea otter Position: 102° / 1,369 m Dir: ni; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 0 0 1.7	08	10:54:00 PDT S	17:54-GMT Er Gray whale (northbound) Position: 149° / 378 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 0 1.7	09	11:32:00 PDT SV	18:32-GMT Oil services Crew boat Position: 287° / 3,288 m Dir: South	1 vessel
F 0 0 1.7	10	11:46:00 PDT SV	18:46-GMT Sportfish-private Position: 106° / 2,872 m Dir: West	1 vessel
F 0 1 1.7	11	12:22:00 PDT SC	19:22-GMT ULW unidentified large whale Position: 164° / 4,712 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 2 1.7	12	12:33:00 PDT SC	19:33-GMT Tt Bottlenose dolphin Position: 214° / 288 m Dir: Stationary; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 0 2 1.7	13	12:42:00 PDT SC	19:42-GMT Tt Bottlenose dolphin Position: 219° / 288 m Dir: East; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 0 2 1.7	14	13:12:00 PDT SC	20:12-GMT Tt Bottlenose dolphin Position: 172° / 356 m Dir: East; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 0 2 1.7	15	13:22:00 PDT SC	20:22-GMT Tt Bottlenose dolphin Position: 227° / 404 m Dir: East; Behavior: not indicated	Total 6 — 0 Calves at sighting
F 0 2 1.7	16	13:28:00 PDT SV	20:28-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 500 m Dir: West	1 vessel
F 0 2 1.7	17	13:36:00 PDT SV	20:36-GMT Oil services Crew boat Position: 294° / 3,288 m Dir: South	1 vessel
F 0 3 1.7	18	15:08:00 PDT SV	22:08-GMT Fish-trap-commercial Lobster Position: 210° / 1,113 m Dir: East	1 vessel
F 0 3 1.7	19	16:18:00 PDT S	23:18-GMT Er Gray whale (northbound) Position: 227° / 715 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 0 3 1.7	20	16:41:00 PDT SC	23:41-GMT Tt Bottlenose dolphin Position: 126° / 761 m Dir: East; Behavior: not indicated	Total 3 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 0 3 1.7	21	16:44:00 PDT	23:44-GMT S Er Gray whale (northbound) Position: 100° / 3,288 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 3 1.7	22	16:59:00 PDT	23:59-GMT S Er Gray whale (northbound) Position: 109° / 1,778 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
Mar 28 Day 55 of 105				
Quality	CCvr	Bft	Vis	
F 0 0 0 1.7	01	9:56:00 PDT	16:56-GMT SO El Southern Sea otter Position: 102° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 0 0 0 2	02	10:09:00 PDT	17:09-GMT SV Dive-private Got-a-fish Position: 104° / 2,872 m Dir: West	1 vessel
F 0 0 0 2	03	10:46:00 PDT	17:46-GMT SO El Southern Sea otter Position: 115° / 1,294 m Dir: Stationary; Behavior: Swimming • in open water	Total 1 — 0 Pups at sighting
F 0 0 0 2	04	10:49:00 PDT	17:49-GMT SV Fish-trap-commercial Lobster Position: 155° / 2,872 m Dir: West	1 vessel
F 0 0 0 2	05	11:01:00 PDT	18:01-GMT SC Tt Bottlenose dolphin Position: 229° / 410 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 0 0 2	06	11:19:00 PDT	18:19-GMT SV Sportfish-private Position: 130° / 1,778 m Dir: West	1 vessel
F 0 0 0 2	07	11:57:00 PDT	18:57-GMT SV Oil services Crew boat Position: 232° / 2,553 m Dir: Stationary	1 vessel
F 0 1 1.7	08	12:51:00 PDT	19:51-GMT SV Sailboat (motor) Position: 153° / 2,553 m Dir: West	1 vessel
F 0 1 1.7	09	13:20:00 PDT	20:20-GMT SV Helicopter Sheriff Position: 184° / 20 m Dir: East	1 vessel
F 0 1 1.7	10	13:22:00 PDT	20:22-GMT SV Sportfish-private Position: 106° / 1,546 m Dir: West	1 vessel
G 0 1 2	11	13:28:00 PDT	20:28-GMT SO El Southern Sea otter Position: 103° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
G 0 1 2	12	13:41:00 PDT	20:41-GMT SV Sportfish-private Position: 282° / 715 m Dir: East	1 vessel
G 0 2 2	13	13:54:00 PDT	20:54-GMT S Er Gray whale (northbound) Position: 125° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	Total 3 — 0 Calves at sighting
G 0 2 2	14	13:54:00 PDT	20:54-GMT SV Private Position: 124° / 2,872 m Dir: West	1 vessel
G 0 2 2	15	14:13:00 PDT	21:13-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 230° / 1,778 m Dir: East	1 vessel
G 0 2 2	16	14:27:00 PDT	21:27-GMT SV Sportfish-private Position: 241° / 2,872 m Dir: East	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type			
F	0	2	1.7	17	15:28:00 PDT	22:28-GMT S Er Gray whale (northbound) Position: 216° / 2,094 m Dir: West; Behavior: Slow travel	Total 1	— 0 Calves at sighting	
F	0	2	1.7	18	15:55:00 PDT	22:55-GMT SV Sportfish-private Beer Time Position: 259° / 1,778 m Dir: East	1 vessel		
F	0	2	1.7	19	16:10:00 PDT	23:10-GMT SV Sportfish-private Position: 274° / 1,778 m Dir: East	1 vessel		
F	0	2	1.7	20	16:22:00 PDT	23:22-GMT SV Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel		
F	0	2	1.7	21	16:42:00 PDT	23:42-GMT SC Tt Bottlenose dolphin Position: 227° / 551 m Dir: East; Behavior: Slow travel • Milling	Total 4	— 0 Calves at sighting	
Mar 29 Day 56 of 105									
	Quality	CCvr	BR	Vis					
P	85	3	1.7	01	9:00:00 PDT	16:00-GMT SO El Southern Sea otter Position: 106° / 812 m Dir: Stationary; Behavior: in kelp • Grooming			
P	85	3	1.7	02	9:00:00 PDT	16:00-GMT SV Sportfish-private Position: 219° / 505 m Dir: Stationary	1 vessel		
P	85	3	1.7	03	10:07:00 PDT	17:07-GMT SV Whale watching Condor Express Position: 101° / 2,872 m Dir: West	1 vessel		
P	85	3	1.7	04	10:08:00 PDT	17:08-GMT SV Private Position: 102° / 2,872 m Dir: West	1 vessel		
P	85	3	1.7	05	10:56:00 PDT	17:56-GMT SO El Southern Sea otter Position: 188° / 192 m Dir: East; Behavior: in surf zone • on back, feeding	Total 1	— 0 Pups at sighting	
P	85	3	1.7	06	11:05:00 PDT	18:05-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 600 m Dir: West	1 vessel		
P	85	3	1.7	07	11:49:00 PDT	18:49-GMT SC Tt Bottlenose dolphin Position: 261° / 551 m Dir: East	Total 7	— 0 Calves at sighting	
P	85	3	1.7	08	11:56:00 PDT	18:56-GMT SC Tt Bottlenose dolphin Position: 226° / 433 m Dir: Stationary; Behavior: Milling	Total 8	— 0 Calves at sighting	
P	85	3	1.7	09	11:56:00 PDT	18:56-GMT SV Sportfish-private Boston Whaler Position: 184° / 367 m Dir: East	1 vessel		
P	85	3	1.7	10	12:07:00 PDT	19:07-GMT SC Tt Bottlenose dolphin Position: 222° / 302 m Dir: East; Behavior: Slow travel	Total 4	— 0 Calves at sighting	
P	85	2	1.7	11	12:35:00 PDT	19:35-GMT S Er Gray whale (northbound) Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	Total 1	— 0 Calves at sighting	
F	65	2	2	12	13:15:00 PDT	20:15-GMT S Er Gray whale (northbound) Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	Total 2	— 0 Calves at sighting	
F	65	2	2	13	13:15:00 PDT	20:15-GMT SV Whale watching Condor Express Position: 104° / 2,553 m Dir: West	1 vessel		

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 65 2 2	14	13:28:00 PDT	20:28-GMT SC Tt Bottlenose dolphin Position: 130° / 607 m Dir: West; Behavior: Slow travel • Milling	Total 6 — 0 Calves at sighting
F 65 2 2	15	13:32:00 PDT	20:32-GMT SC Tt Bottlenose dolphin Position: 154° / 404 m Dir: West; Behavior: not indicated	Total 7 — 0 Calves at sighting
F 50 1 2	16	15:15:00 PDT	22:15-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 150 m Dir: West	1 vessel
F 50 2 2	17	15:41:00 PDT	22:41-GMT SV Sportfish-private Position: 230° / 551 m Dir: East	1 vessel
F 50 2 2	18	16:09:00 PDT	23:09-GMT SC Tt Bottlenose dolphin Position: 140° / 495 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
P 0 3 1.7	19	16:44:00 PDT	23:44-GMT S Er Gray whale (northbound) Position: 204° / 1,778 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
Mar 30 Day 57 of 105				
Quality	CCvr	Bft	Vis	
P 40	0	1.7		
	01	9:05:00 PDT	16:05-GMT SV Oil services Crew boat Position: 289° / 1,228 m Dir: North	1 vessel
P 40	0	1.7		
	02	9:15:00 PDT	16:15-GMT SV Dive-commercial Urchin Position: 107° / 2,553 m Dir: West	1 vessel
P 40	0	1.7		
	03	9:24:00 PDT	16:24-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 200 m Dir: West	1 vessel
P 40	0	1.7		
	03	9:45:00 PDT	16:45-GMT SV Whale watching Condor Express Position: 104° / 2,872 m Dir: West	1 vessel
P 40	0	1.7		
	04	9:38:00 PDT	16:38-GMT S Er Gray whale (northbound) Position: 127° / 639 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 30	1	1.7		
	06	10:30:00 PDT	17:30-GMT SO El Southern Sea otter Position: 102° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 30	1	1.7		
	07	10:32:00 PDT	17:32-GMT SO El Southern Sea otter Position: 100° / 1,778 m Dir: Stationary; Behavior: Diving • in kelp	Total 1 — 0 Pups at sighting
P 30	0	1.7		
	08	10:49:00 PDT	17:49-GMT SC D sp Common dolphin species Position: 171° / 3,288 m Dir: West; Behavior: Moderate travel	Total 200 — 0 Calves at sighting
F 20	1	2		
	09	11:50:00 PDT	18:50-GMT S Er Gray whale (northbound) Position: 138° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 20	1	2		
	10	11:51:00 PDT	18:51-GMT S Er Gray whale (northbound) Position: 140° / 1,369 m Dir: West; Behavior: Slow travel	Total 2 — 1 Calf at sighting Images: none
P 20	1	1.7		
	11	13:28:00 PDT	20:28-GMT SV Oil services Oil-spill recovery Mr Clean Position: 148° / 3,288 m Dir: West	1 vessel
P 40	3	1.7		
	12	14:25:00 PDT	21:25-GMT SV Oil services Crew boat Position: 267° / 3,288 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 40 3 1.7	13	14:53:00 PDT	21:53-GMT S Er Gray whale (northbound) Position: 186° / 715 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 40 3 1.7	14	15:20:00 PDT	22:20-GMT S Er Gray whale (northbound) Position: 118° / 4,712 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
P 40 3 1.7	15	15:32:00 PDT	22:32-GMT S Er Gray whale (northbound) Position: 218° / 505 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
P 40 3 1.7	16	15:54:00 PDT	22:54-GMT SC Tt Bottlenose dolphin Position: 124° / 812 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 40 3 1.7	17	16:08:00 PDT	23:08-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
P 40 3 1.7	18	16:30:00 PDT	23:30-GMT S Er Gray whale (northbound) Position: 123° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 40 3 1.7	19	16:39:00 PDT	23:39-GMT SV Whale watching Condor Express Position: 134° / 2,553 m Dir: West	1 vessel
P 40 3 1.7	20	16:43:00 PDT	23:43-GMT S Er Gray whale (northbound) Position: 164° / 2,094 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
Mar 31 Day 58 of 105				
Quality	CCvr	Bft	Vis	
F 20 2 1.7	01	9:01:00 PDT	16:01-GMT S Er Gray whale (northbound) Position: 131° / 871 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 20 2 1.7	02	9:07:00 PDT	16:07-GMT S Er Gray whale (northbound) Position: 114° / 1,369 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 20 2 1.7	03	9:07:00 PDT	16:07-GMT SO El Southern Sea otter Position: 114° / 871 m Dir: Stationary; Behavior: not indicated	Total 1 — 0 Pups at sighting
F 20 2 1.7	04	9:14:00 PDT	16:14-GMT S Er Gray whale (northbound) Position: 124° / 840 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 20 2 1.7	05	9:21:00 PDT	16:21-GMT SC ULW unidentified large whale Position: 192° / 2,553 m Dir: West; Behavior: Breach • Slow travel	Total 1 — 0 Calves at sighting
F 20 2 1.7	06	9:38:00 PDT	16:38-GMT SV Oil services Crew boat Position: 234° / 2,553 m Dir: South	1 vessel
G 20 2 2	07	9:53:00 PDT	16:53-GMT SV Whale watching Condor Express Position: 150° / 2,094 m Dir: West	1 vessel
G 20 2 2	08	9:53:00 PDT	16:53-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 149° / 1,778 m Dir: Stationary	1 vessel
G 20 2 2	09	10:27:00 PDT	17:27-GMT SC Tt Bottlenose dolphin Position: 117° / 812 m Dir: Stationary; Behavior: not indicated	Total 4 — 0 Calves at sighting
G 20 2 2	10	10:28:00 PDT	17:28-GMT SV Oil services Crew boat Position: 293° / 3,288 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
G 20 2 2	11 12:14:00 PDT	19:14-GMT SC D sp Common dolphin species Position: 142° / 4,712 m Dir: South; Behavior: Moderate travel	Total 200 — 0 Calves at sighting
G 20 2 2	12 12:27:00 PDT	19:27-GMT SV Sportfish-private Position: 124° / 2,094 m Dir: West	1 vessel
G 20 2 2	13 12:33:00 PDT	19:33-GMT SC Tt Bottlenose dolphin Position: 126° / 607 m Dir: West; Behavior: Slow travel • Milling	Total 6 — 0 Calves at sighting
G 20 2 2	14 12:35:00 PDT	19:35-GMT SO El Southern Sea otter Position: 108° / 466 m Dir: North; Behavior: in kelp • on back, feeding	Total 1 — 0 Pups at sighting
G 20 2 2	15 12:48:00 PDT	19:48-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
G 20 2 2	16 12:52:00 PDT	19:52-GMT SV Fish-trap-commercial Lobster Position: 127° / 1,228 m Dir: West	1 vessel
G 20 2 2	17 13:00:00 PDT	20:00-GMT SC Mn Humpback whale Position: 194° / 3,288 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 20 2 2	18 13:00:00 PDT	20:00-GMT SC D sp Common dolphin species Position: 194° / 3,288 m Dir: West; Behavior: Moderate travel • Milling	Total 200 — 0 Calves at sighting
G 0 2 2	19 13:26:00 PDT	20:26-GMT S Er Gray whale (northbound) Position: 221° / 2,872 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
G 0 2 2	20 13:27:00 PDT	20:27-GMT SC Tt Bottlenose dolphin Position: 224° / 288 m Dir: West; Behavior: Moderate travel	Total 4 — 0 Calves at sighting
G 0 3 2	21 13:56:00 PDT	20:56-GMT S Er Gray whale (northbound) Position: 112° / 1,778 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
G 0 2 2	22 15:34:00 PDT	22:34-GMT SC Tt Bottlenose dolphin Position: 130° / 715 m Dir: West; Behavior: Moderate travel • Milling	Total 10 — 2 Calves at sighting
G 0 2 2	23 15:42:00 PDT	22:42-GMT SC Tt Bottlenose dolphin Position: 110° / 1,369 m Dir: West; Behavior: Moderate travel • Milling	Total 4 — 0 Calves at sighting
G 5 0 2	24 15:48:00 PDT	22:48-GMT S Er Gray whale (northbound) Position: 206° / 551 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 5 0 2	25 16:14:00 PDT	23:14-GMT SC Tt Bottlenose dolphin Position: 117° / 418 m Dir: West; Behavior: Slow travel • Milling	Total 4 — 1 Calf at sighting
G 5 0 2	26 16:32:00 PDT	23:32-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 400 m Dir: West	1 vessel
G 5 0 2	27 16:33:00 PDT	23:33-GMT S Er Gray whale (northbound) Position: 131° / 871 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting

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Quality CCw Bft Vis

P 25 2 1.7

01 9:04:00 PDT 16:04-GMT
SV Dive-research UCSB
Position: 154° / 715 m Dir: West
1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P	25	3 1.7	02 9:22:00 PDT SV 16:22-GMT Helicopter Military Position: 174° / 75 m Dir: West	1 vessel
P	25	3 1.7	03 9:23:00 PDT SC 16:23-GMT Tt Bottlenose dolphin Position: 136° / 551 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
P	25	3 1.7	04 9:24:00 PDT SO 16:24-GMT El Southern Sea otter Position: 102° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P	25	4 1.7	05 10:02:00 PDT SV 17:02-GMT Oil services Crew boat Position: 266° / 3,288 m Dir: South	1 vessel
P	25	4 1.7	06 10:31:00 PDT SV 17:31-GMT Oil services Crew boat Position: 291° / 3,288 m Dir: South	1 vessel
P	25	4 1.7	07 10:34:00 PDT S 17:34-GMT Er Gray whale (northbound) Position: 106° / 2,094 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
F	40	3 2	08 12:34:00 PDT SV 19:34-GMT Fish-trap-commercial Lobster Provider Position: 121° / 2,553 m Dir: West	1 vessel
F	40	3 2	09 12:57:00 PDT SV 19:57-GMT Sportfish-private Position: 212° / 607 m Dir: East	1 vessel
F	40	3 2	10 13:04:00 PDT SC 20:04-GMT Tt Bottlenose dolphin Position: 137° / 551 m Dir: West; Behavior: not indicated	Total 2 — 0 Calves at sighting
F	40	3 2	11 13:09:00 PDT SC 20:09-GMT Tt Bottlenose dolphin Position: 134° / 715 m Dir: West; Behavior: Milling	Total 2 — 0 Calves at sighting
F	40	3 2	12 13:19:00 PDT SV 20:19-GMT Whale watching Condor Express Position: 102° / 2,872 m Dir: West	1 vessel
F	40	3 2	13 13:20:00 PDT S 20:20-GMT Er Gray whale (northbound) Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F	40	3 2	14 14:05:00 PDT SC 21:05-GMT Tt Bottlenose dolphin Position: 264° / 551 m Dir: East; Behavior: Slow travel	Total 8 — 0 Calves at sighting
F	40	3 2	15 14:18:00 PDT SC 21:18-GMT Mn Humpback whale Position: 206° / 3,288 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	30	1 2	16 14:32:00 PDT SV 21:32-GMT Oil services Crew boat Position: 280° / 2,872 m Dir: South	1 vessel
F	30	1 2	17 14:43:00 PDT SO 21:43-GMT El Southern Sea otter Position: 176° / 232 m Dir: Stationary; Behavior: Diving • in surf zone	Total 1 — 0 Pups at sighting
F	30	1 2	18 15:18:00 PDT S 22:18-GMT Er Gray whale (northbound) Position: 154° / 2,094 m Dir: West; Behavior: Slow travel • Fluke	Total 3 — 0 Calves at sighting
F	30	1 2	19 15:42:00 PDT SV 22:42-GMT Sportfish-commercial Stardust Position: 268° / 1,778 m Dir: East	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type			
Apr 02				Day 60 of 105					
Quality	CCw	Bft	Vis						
P	100	1	1	Off-Effort 01	9:08:00 PDT SV	16:08-GMT Dive-research UCSB Position: 264° / 1,369 m Dir: Stationary	1 vessel		
P	100	1	1	Off-Effort 02	9:08:00 PDT SV	16:08-GMT Oil services Barge+Tug Jovalan Position: 241° / 2,094 m Dir: North	1 vessel		
P	100	1	1	Off-Effort 03	9:09:00 PDT SV	16:09-GMT Oil services Tug (little) Delilah Position: 243° / 1,778 m Dir: North	1 vessel		
P	100	1	1	Off-Effort 04	9:10:00 PDT SV	16:10-GMT Oil services Crew boat Position: 239° / 2,872 m Dir: Stationary	1 vessel		
P	100	1	1	Off-Effort 05	9:15:00 PDT SO	16:15-GMT El Southern Sea otter Position: 103° / 1,228 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting	• on back, resting	
P	100	1	1	Off-Effort 06	9:25:00 PDT SV	16:25-GMT Fish-commercial Squid Challenger Position: 291° / 2,872 m Dir: East	1 vessel		
P	100	1	1	Off-Effort 07	9:27:00 PDT SV	16:27-GMT Oil services Crew boat Position: 269° / 3,288 m Dir: North	1 vessel		
P	100	1	1	Off-Effort 08	9:33:00 PDT SV	16:33-GMT Oil services Observation vessel Position: 105° / 2,872 m Dir: West	1 vessel		
P	100	1	1	Off-Effort 09	9:37:00 PDT SV	16:37-GMT Whale watching Condor Express Position: 106° / 2,553 m Dir: West	1 vessel		
P	100	1	1	Off-Effort 10	9:44:00 PDT S	16:44-GMT Er Gray whale (northbound) Position: 174° / 2,872 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting	• Fluke	
P	100	1	1	Off-Effort 11	10:07:00 PDT S	17:07-GMT Er Gray whale (northbound) Position: 207° / 715 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting		
P	100	1	1	Off-Effort 12	10:08:00 PDT SC	17:08-GMT Mn Humpback whale Position: 200° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting		
P	95	1	1	Off-Effort 13	10:30:00 PDT S	17:30-GMT Er Gray whale (northbound) Position: 133° / 1,228 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting		
P	95	1	1	Off-Effort 14	10:35:00 PDT SC	17:35-GMT Tt Bottlenose dolphin Position: 125° / 378 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting		
P	95	3	1.7	15	11:31:00 PDT SV	18:31-GMT Oil services Crew boat Position: 286° / 3,288 m Dir: East	1 vessel		
P	95	3	1.7	16	12:14:00 PDT S	19:14-GMT Er Gray whale (northbound) Position: 121° / 1,228 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting		
P	95	3	1.7	17	12:53:00 PDT S	19:53-GMT Er Gray whale (northbound) Position: 126° / 1,546 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting		
P	95	3	1.7	18	13:56:00 PDT S	20:56-GMT Er Gray whale (northbound) Position: 105° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting		

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type				
P	95	3	1.7	19	14:00:00 PDT	21:00-GMT SC Tt Bottlenose dolphin Position: 112° / 378 m Dir.; Behavior: Slow travel	Total 2	— 0 Calves at sighting		
P	95	3	1.7	20	14:26:00 PDT	21:26-GMT SV Oil services Crew boat Position: 264° / 3,288 m Dir: South	1 vessel			
P	95	3	1.7	21	14:45:00 PDT	21:45-GMT S Er Gray whale (northbound) Position: 134° / 3,288 m Dir: West; Behavior: Slow travel	Total 4	— 0 Calves at sighting • Fluke		
P	95	3	1.7	22	15:24:00 PDT	22:24-GMT S Er Gray whale (northbound) Position: 131° / 1,019 m Dir: West; Behavior: Slow travel	Images: none	Total 2 — 1 Calf at sighting		
P	95	3	1.7	23	15:31:00 PDT	22:31-GMT SC Tt Bottlenose dolphin Position: 187° / 224 m Dir: East; Behavior: not indicated	Total 2	— 0 Calves at sighting		
P	95	3	1.7	24	16:09:00 PDT	23:09-GMT SV Fish-commercial Position: 200° / 3,288 m Dir: East	1 vessel			
P	95	3	1.7	25	16:12:00 PDT	23:12-GMT S Er Gray whale (northbound) Position: 148° / 939 m Dir: West; Behavior: Slow travel	Total 2	— 0 Calves at sighting		
P	95	3	1.7	26	16:13:00 PDT	23:13-GMT SV Sportfish-private Position: 109° / 1,778 m Dir: West	1 vessel			
<hr/>										
Apr 03		Day 61 of 105								
Quality	CCvr	Bft	Vis							
P	0	4	2	01	9:00:00 PDT	16:00-GMT SV Oil services Barge+Tug Jovalan Position: 275° / 1,019 m Dir: Stationary	1 vessel			
P	0	4	2	02	9:00:00 PDT	16:00-GMT SV Oil services Tug (little) Delilah Position: 275° / 871 m Dir: Stationary	1 vessel			
P	0	4	2	03	9:00:00 PDT	16:00-GMT SV Oil services Observation vessel Position: 290° / 1,228 m Dir: Stationary	1 vessel			
P	0	4	2	04	9:01:00 PDT	16:01-GMT SV Oil services Crew boat Position: 280° / 3,288 m Dir: South	1 vessel			
P	0	4	2	05	9:15:00 PDT	16:15-GMT SC Tt Bottlenose dolphin Position: 149° / 378 m Dir: East; Behavior: Milling	Total 6	— 0 Calves at sighting		
P	0	4	2	06	10:09:00 PDT	17:09-GMT S Er Gray whale (northbound) Position: 156° / 551 m Dir: West; Behavior: Slow travel	Total 2	— 0 Calves at sighting		
F	0	4	2	08	11:35:00 PDT	18:35-GMT SV Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel			
F	0	4	2	09	12:02:00 PDT	19:02-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 200 m Dir: East	1 vessel			
F	0	2	2	10	12:37:00 PDT	19:37-GMT SV Dive-commercial Urchin Ocean Pearl Position: 256° / 2,553 m Dir: East	1 vessel			
F	0	2	2	11	12:56:00 PDT	19:56-GMT SV Sportfish-private Position: 101° / 2,553 m Dir: West	1 vessel			

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 0 3 2	12	13:50:00 PDT	20:50-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 400 m Dir: West	1 vessel
F 0 3 2	13	14:00:00 PDT	21:00-GMT SO El Southern Sea otter Position: 174° / 433 m Dir: Stationary; Behavior: with gull(s) • on back, resting	Total 1 — 0 Pups at sighting
F 0 4 2	14	14:20:00 PDT	21:20-GMT SC Tt Bottlenose dolphin Position: 174° / 327 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

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Quality	CCvr	Bft	Vis	Number	Time Code	Species / Vessel Type	
F	0	1	1.7	01	9:00:00 PDT	16:00-GMT SV Sailboat (motor) Position: 154° / 1,369 m Dir: West	1 vessel
F	0	1	1.7	02	9:00:00 PDT	16:00-GMT SV Sportfish-private Position: 111° / 1,778 m Dir: Stationary	1 vessel
F	0	2	1.7	03	9:16:00 PDT	16:16-GMT S Er Gray whale (northbound) Position: 120° / 1,369 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F	0	2	1.7	04	9:31:00 PDT	16:31-GMT SV Fish-trap-commercial Lobster Position: 134° / 715 m Dir: West	1 vessel
F	0	2	1.7	05	10:48:00 PDT	17:48-GMT SV Dive-commercial Urchin Position: 110° / 1,778 m Dir: West	1 vessel
F	0	2	1.7	06	10:50:00 PDT	17:50-GMT SV Private Position: 105° / 2,553 m Dir: West	1 vessel
F	0	2	1.7	07	11:20:00 PDT	18:20-GMT SV Sportfish-private Position: 282° / 2,094 m Dir: West	1 vessel
F	0	2	2	08	11:46:00 PDT	18:46-GMT S Er Gray whale (northbound) Position: 154° / 1,778 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F	0	1	2	09	13:33:00 PDT	20:33-GMT SC D sp Common dolphin species Position: 224° / 3,288 m Dir: East; Behavior: Moderate travel	Total 300 — 0 Calves at sighting
F	0	1	2	10	13:45:00 PDT	20:45-GMT S Er Gray whale (northbound) Position: 124° / 715 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting
F	0	1	2	11	14:09:00 PDT	21:09-GMT SV Dive-commercial Urchin Position: 105° / 2,553 m Dir: West	1 vessel
F	0	1	2	12	14:32:00 PDT	21:32-GMT SV Sailboat (motor) Position: 100° / 2,553 m Dir: West	1 vessel
F	0	1	2	13	14:41:00 PDT	21:41-GMT SC ULW unidentified large whale Position: 117° / 4,712 m Dir: nd; Behavior: not determined	Total 1 — 0 Calves at sighting
F	0	1	2	14	14:49:00 PDT	21:49-GMT SV Sportfish-private Position: 214° / 1,778 m Dir: East	1 vessel
F	0	2	2	16	16:15:00 PDT	23:15-GMT SV Fish-trap-commercial Position: 237° / 1,228 m Dir: East	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time	Species / Vessel Type		
					Code			
Apr 05 Day 63 of 105								
Quality	CCvr	Bft	Vis					
G	0	0	2	01	9:01:00 PDT	16:01-GMT D sp Common dolphin species Position: 236° / 1,546 m Dir: East; Behavior: Milling	Total 25 — 0 Calves	at sighting
					SC			
G	0	0	2	02	9:03:00 PDT	16:03-GMT D sp Common dolphin species Position: 209° / 1,778 m Dir: West; Behavior: Milling	Total 50 — 0 Calves	at sighting
					SC			
G	0	0	2	03	9:13:00 PDT	16:13-GMT Tt Bottlenose dolphin Position: 155° / 318 m Dir: East; Behavior: Slow travel	Total 4 — 0 Calves	at sighting
					SC			
G	0	1	3	04	9:27:00 PDT	16:27-GMT Fish-trap-commercial Lobster Position: 164° / 1,546 m Dir: West	1 vessel	
					SV			
G	0	1	3	05	10:00:00 PDT	17:00-GMT Sportfish-private Position: 102° / 2,872 m Dir: West	1 vessel	
					SV			
G	0	1	3	06	10:14:00 PDT	17:14-GMT Whale watching Condor Express Position: 164° / 2,553 m Dir: West	1 vessel	
					SV			
G	0	1	3	07	10:33:00 PDT	17:33-GMT Sportfish-private Position: 124° / 1,546 m Dir: Stationary	1 vessel	
					SV			
G	0	1	3	08	10:43:00 PDT	17:43-GMT El Southern Sea otter Position: 129° / 551 m Dir: Stationary; Behavior: with gull(s) • in kelp • on back, feeding	Total 1 — 0 Pups	at sighting
					SO			
G	0	1	3	09	10:58:00 PDT	17:58-GMT Sportfish-private Position: 105° / 2,553 m Dir: West	1 vessel	
					SV			
G	0	1	3	10	11:33:00 PDT	18:33-GMT Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel	
					SV			
G	0	1	3	11	11:37:00 PDT	18:37-GMT Mn Humpback whale Position: 129° / 3,288 m Dir: Stationary; Behavior: Fluke • Pec slap	Total 2 — 0 Calves	at sighting
					SC			
G	0	1	3	12	11:54:00 PDT	18:54-GMT Sportfish-private Position: 122° / 2,553 m Dir: West	1 vessel	
					SV			
G	0	1	3	13	11:55:00 PDT	18:55-GMT Sportfish-private Position: 137° / 2,872 m Dir: West	1 vessel	
					SV			
G	0	1	3	14	12:29:00 PDT	19:29-GMT Private Kyle Nicole Position: 219° / 378 m Dir: East	1 vessel	
					SV			
G	0	1	3	15	12:39:00 PDT	19:39-GMT Mn Humpback whale Position: 118° / 2,872 m Dir: nd; Behavior: not indicated	Total 2 — 0 Calves	at sighting
					SC			
G	0	1	3	16	12:42:00 PDT	19:42-GMT Fish-trap-commercial Lobster Position: 107° / 2,553 m Dir: West	1 vessel	
					SV			
G	0	1	3	17	12:44:00 PDT	19:44-GMT Jet ski Position: 110° / 1,778 m Dir: West	3 vessels	
					SV			
G	0	3	3	18	13:13:00 PDT	20:13-GMT Sportfish-private Position: 107° / 2,553 m Dir: West	1 vessel	
					SV			

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
G 0 3 3	19 13:14:00 PDT	20:14-GMT SV Whale watching Condor Express Position: 111° / 2,872 m Dir: West	1 vessel
G 0 4 3	20 13:23:00 PDT	20:23-GMT SC Mn Humpback whale Position: 146° / 2,553 m Dir: West; Behavior: not indicated	Total 4 — 0 Calves at sighting
G 0 4 3	21 13:34:00 PDT	20:34-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
G 0 4 3	22 14:26:00 PDT	21:26-GMT SV Sportfish-private Position: 194° / 715 m Dir: East	1 vessel
G 0 4 3	23 14:39:00 PDT	21:39-GMT SC Tt Bottlenose dolphin Position: 177° / 346 m Dir: East; Behavior: not indicated	Total 2 — 0 Calves at sighting
G 0 3 3	24 14:41:00 PDT	21:41-GMT SV Sportfish-private Position: 204° / 2,094 m Dir: East	1 vessel
G 0 1 3	25 15:11:00 PDT	22:11-GMT S Er Gray whale (northbound) Position: 124° / 2,094 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
G 0 1 3	26 15:36:00 PDT	22:36-GMT SC Tt Bottlenose dolphin Position: 196° / 715 m Dir: East; Behavior: Slow travel	Total 5 — 0 Calves at sighting
G 0 1 3	27 16:11:00 PDT	23:11-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
G 0 1 3	28 16:22:00 PDT	23:22-GMT SV Sportfish-private Position: 184° / 1,019 m Dir: East	1 vessel
G 0 1 3	29 16:53:00 PDT	23:53-GMT S Er Gray whale (northbound) Position: 130° / 639 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting

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Quality CCvr Bft Vts

G 0 2 3	01 9:01:00 PDT	16:01-GMT SC Mn Humpback whale Position: 124° / 3,288 m Dir: East; Behavior: Slow travel • Fluke	Total 4 — 0 Calves at sighting
G 0 2 3	02 9:01:00 PDT	16:01-GMT SC D sp Common dolphin species Position: 129° / 3,288 m Dir: Stationary; Behavior: Milling	Total 50 — 0 Calves at sighting
G 0 2 3	03 9:04:00 PDT	16:04-GMT SC D sp Common dolphin species Position: 135° / 2,094 m Dir: East; Behavior: Moderate travel	Total 50 — 0 Calves at sighting
G 0 2 3	04 9:07:00 PDT	16:07-GMT SV Research vessel Independence Position: 217° / 2,872 m Dir: West	1 vessel
G 0 2 3	05 9:19:00 PDT	16:19-GMT SV Dive-commercial Urchin Ocean Pearl Position: 116° / 2,872 m Dir: West	1 vessel
G 0 2 3	06 11:11:00 PDT	18:11-GMT SC Tt Bottlenose dolphin Position: 132° / 715 m Dir: West; Behavior: Milling • Slow travel	Total 2 — 0 Calves at sighting
F 5 2 2	07 11:11:00 PDT	18:11-GMT SC D sp Common dolphin species Position: 166° / 3,288 m Dir: West; Behavior: Moderate travel	Total 500 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 5 1 2	08	11:31:00 PDT	18:31-GMT SO El Southern Sea otter Position: 114° / 1,369 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting on back, resting
F 5 1 2	09	11:34:00 PDT	18:34-GMT SV Oil services Crew boat Position: 262° / 2,872 m Dir: South	1 vessel
F 5 1 2	10	11:38:00 PDT	18:38-GMT SC ULW unidentified large whale Position: 120° / 1,778 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 5 1 2	11	11:55:00 PDT	18:55-GMT SC Tt Bottlenose dolphin Position: 192° / 449 m Dir: East; Behavior: Slow travel	Total 8 — 0 Calves at sighting
F 5 1 2	12	12:40:00 PDT	19:40-GMT SV Oil services Crew boat Position: 289° / 3,288 m Dir: South	1 vessel
F 5 1 2	13	12:46:00 PDT	19:46-GMT SV Fish-trap-commercial Lobster Position: 136° / 1,294 m Dir: West	1 vessel
F 10 1 2	14	14:14:00 PDT	21:14-GMT SV Oil services Crew boat Position: 244° / 2,872 m Dir: South	1 vessel
F 10 1 2	15	14:23:00 PDT	21:23-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 241° / 2,094 m Dir: West	1 vessel
P 10 3 1.7	16	15:33:00 PDT	22:33-GMT SV Oil services Crew boat Position: 271° / 3,288 m Dir: West	1 vessel
P 10 3 1.7	17	16:55:00 PDT	23:55-GMT SV Oil services Crew boat Position: 265° / 3,288 m Dir: West	1 vessel
Apr 07 Day 65 of 105				
Quality	CCvr	Bft	Vis	
F 10 1 3	01	9:16:00 PDT	16:16-GMT SO El Southern Sea otter Position: 99° / 2,553 m Dir: Stationary; Behavior: on back, resting	Total 1 — 0 Pups at sighting
F 20 1 3	02	9:39:00 PDT	16:39-GMT SC ULW unidentified large whale Position: 210° / 2,553 m Dir: Stationary; Behavior: not determined	Total 1 — 0 Calves at sighting
F 20 2 3	03	9:52:00 PDT	16:52-GMT SV Fish-trap-commercial Position: 166° / 1,019 m Dir: West	1 vessel
F 20 2 3	04	10:09:00 PDT	17:09-GMT SC Tt Bottlenose dolphin Position: 157° / 327 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 20 2 3	05	10:40:00 PDT	17:40-GMT SC Tt Bottlenose dolphin Position: 170° / 247 m Dir: ni; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 40 2 3	06	11:01:00 PDT	18:01-GMT SV Oil services Crew boat Position: 259° / 3,288 m Dir: South	1 vessel
F 40 2 3	07	11:31:00 PDT	18:31-GMT SV Helicopter Position: 184° / 30 m Dir: East	1 vessel
F 60 2 3	08	12:00:00 PDT	19:00-GMT SV Oil services Crew boat Position: 248° / 3,288 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 95 4 3	09	12:40:00 PDT	19:40-GMT SV Oil services Crew boat Position: 269° / 3,288 m Dir: North	1 vessel
P 100 4 1.7	10	13:19:00 PDT	20:19-GMT SV not determined Position: 131° / 2,553 m Dir: East	1 vessel
P 100 4 1.7	11	13:19:00 PDT	20:19-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 257° / 2,094 m Dir: South	1 vessel
Apr 08 Day 66 of 105				
Quality	CCvr	Bft	Vis	
E 15	2	3		
	01	9:15:00 PDT	16:15-GMT SV Dive-research UCSB Position: 108° / 1,778 m Dir: West	1 vessel
E 15	2	3		
	02	9:16:00 PDT	16:16-GMT S Er Gray whale (northbound) Position: 119° / 1,369 m Dir: West; Behavior: Slow travel	Images: 9838-9841 Total 2 — 1 Calf at sighting • Fluke
E 15	2	3		
	03	9:19:00 PDT	16:19-GMT SV Dive-commercial Urchin Position: 109° / 2,553 m Dir: West	1 vessel
E 15	3	3		
	04	10:06:00 PDT	17:06-GMT SV Helicopter Military Position: 214° / 600 m Dir: East	1 vessel
E 5	3	3		
	05	10:26:00 PDT	17:26-GMT SV Dive-research UCSB Position: 273° / 2,872 m Dir: East	1 vessel
G 5	4	3		
	06	10:35:00 PDT	17:35-GMT SV Helicopter Military Position: 184° / 200 m Dir: East	1 vessel
G 5	4	3		
	07	10:38:00 PDT	17:38-GMT SV Oil services Crew boat Position: 271° / 3,288 m Dir: West	1 vessel
F 5	4	3		
	08	10:42:00 PDT	17:42-GMT S Er Gray whale (northbound) Position: 104° / 2,553 m Dir: West; Behavior: Slow travel	Images: 9845-9849 Total 2 — 1 Calf at sighting
F 5	4	3		
	09	11:32:00 PDT	18:32-GMT SV Oil services Crew boat Position: 292° / 3,288 m Dir: South	1 vessel
F 5	4	3		
	10	11:48:00 PDT	18:48-GMT SV Sailboat (motor) Position: 137° / 2,094 m Dir: West	1 vessel
P 5	5	3	Off-Effort	
	11	11:52:00 PDT	18:52-GMT SV Oil services Crew boat Position: 277° / 3,288 m Dir: North	1 vessel
P 5	5	3	Off-Effort	
	12	12:08:00 PDT	19:08-GMT SV Sportfish-private Position: 219° / 1,778 m Dir: East	1 vessel
P 5	5	3	Off-Effort	
	13	12:26:00 PDT	19:26-GMT SV Helicopter Military Position: 174° / 200 m Dir: East	1 vessel
Apr 09 Day 67 of 105				
Quality	CCvr	Bft	Vis	
G 10	0	3		
	01	9:00:00 PDT	16:00-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 224° / 1,228 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type	
G	10	0	3	02	9:05:00 PDT S	16:05-GMT Er Gray whale (northbound) Position: 99° / 2,872 m Dir: West; Behavior: Slow travel	Images: 9850-1 Total 2 — 1 Calf at sighting
G	10	0	3	03	9:05:00 PDT SV	16:05-GMT Dive-commercial Urchin Position: 96° / 2,094 m Dir: West	1 vessel
G	10	0	3	04	9:22:00 PDT SV	16:22-GMT Fish-trap-commercial Lobster Position: 105° / 2,872 m Dir:	1 vessel
G	10	0	3	05	9:33:00 PDT SV	16:33-GMT Oil services Crew boat Position: 254° / 2,872 m Dir: South	1 vessel
G	10	0	3	06	10:16:00 PDT S	17:16-GMT Er Gray whale (northbound) Position: 117° / 1,778 m Dir: West; Behavior: Slow travel	Images: 9852-9859 Total 2 — 1 Calf at sighting
G	10	2	3	07	10:53:00 PDT SV	17:53-GMT Oil services Crew boat Position: 289° / 3,288 m Dir: South	1 vessel
G	70	3	3	08	11:24:00 PDT S	18:24-GMT Er Gray whale (northbound) Position: 104° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting • Fluke
G	70	3	3	09	11:36:00 PDT SV	18:36-GMT Sportfish-private Position: 101° / 2,872 m Dir: South	1 vessel
G	70	2	3	10	11:46:00 PDT SV	18:46-GMT Oil services Crew boat Position: 269° / 3,288 m Dir: South	1 vessel
F	95	3	3	11	14:25:00 PDT SV	21:25-GMT Oil services Crew boat Position: 285° / 3,288 m Dir: South	1 vessel
P	80	5	3	Off-Effort 12	15:20:00 PDT S	22:20-GMT Er Gray whale (northbound) Position: 218° / 336 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
P	80	5	3	Off-Effort 13	15:39:00 PDT SV	22:39-GMT Fish-commercial Bainbridge Position: 105° / 3,288 m Dir: West	1 vessel
P	80	5	3	Off-Effort 14	15:50:00 PDT S	22:50-GMT Er Gray whale (northbound) Position: 115° / 1,546 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
P	80	5	3	Off-Effort 15	16:37:00 PDT SV	23:37-GMT Oil services Crew boat Position: 289° / 3,288 m Dir: South	1 vessel
Apr 10 Day 68 of 105							
Quality	CCvr	BR	Vis				
P	100	0	2	01	8:55:00 PDT S	15:55-GMT Er Gray whale (northbound) Position: 147° / 551 m Dir: West; Behavior: Slow travel	Images: 9864-9896 Total 2 — 1 Calf at sighting
P	100	0	2	02	9:18:00 PDT SV	16:18-GMT Dive-commercial Urchin Ocean Pearl Position: 165° / 1,546 m Dir: West	1 vessel
P	100	0	2	03	9:19:00 PDT SV	16:19-GMT Oil services Crew boat Position: 253° / 2,872 m Dir: North	1 vessel
P	100	0	2	04	9:33:00 PDT SV	16:33-GMT Oil services Crew boat Position: 295° / 3,288 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 100 0 2	05	10:07:00 PDT	17:07-GMT SV Sportfish-private Position: 125° / 2,872 m Dir: West	1 vessel
F 80 0 2	06	10:40:00 PDT	17:40-GMT SV Fish-trap-commercial Lobster Position: 111° / 2,872 m Dir: West	1 vessel
F 80 0 2	07	10:55:00 PDT	17:55-GMT SC Tt Bottlenose dolphin Position: 188° / 715 m Dir: East; Behavior: Slow travel • Milling	
F 80 0 2	08	11:30:00 PDT	18:30-GMT SV Helicopter Military Position: 174° / 100 m Dir: East	1 vessel
F 80 0 2	09	11:39:00 PDT	18:39-GMT SV Oil services Crew boat Position: 280° / 3,288 m Dir: South	1 vessel
P 50 4 1.7	10	14:41:00 PDT	21:41-GMT SV Oil services Crew boat Position: 287° / 3,288 m Dir: South	1 vessel
P 60 5 1.7	Off-Effort 11	14:54:00 PDT	21:54-GMT SV Helicopter Position: 174° / 30 m Dir: West	1 vessel
P 70 5 1.7	Off-Effort 12	15:29:00 PDT	22:29-GMT SC ULW unidentified large whale Position: 231° / 812 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 70 5 1.7	Off-Effort 13	15:34:00 PDT	22:34-GMT SC Tt Bottlenose dolphin Position: 252° / 449 m Dir: East; Behavior: Moderate travel	Total 3 — 0 Calves at sighting
P 70 5 1.7	Off-Effort 14	15:49:00 PDT	22:49-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 800 m Dir: West	1 vessel
P 70 5 1.7	Off-Effort 15	16:23:00 PDT	23:23-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 800 m Dir: West	1 vessel

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Quality CCvr Bft Vis

F 0 3 3	01	8:56:00 PDT	15:56-GMT SC Mn Humpback whale Position: 226° / 2,094 m Dir: East; Behavior: Slow travel • Fluke	
F 0 3 3	02	8:59:00 PDT	15:59-GMT SC Mn Humpback whale Position: 223° / 1,778 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 3 3	03	9:59:00 PDT	16:59-GMT SV Sportfish-private Position: 121° / 1,369 m Dir: West	1 vessel
F 0 3 3	04	10:33:00 PDT	17:33-GMT SC ULW unidentified large whale Position: 137° / 4,712 m Dir: ni; Behavior: not indicated	Total 2 — 0 Calves at sighting
F 0 3 3	05	10:40:00 PDT	17:40-GMT S Er Gray whale (northbound) Position: 147° / 527 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting

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Quality CCvr Bft Vis

F 40 2 2	01	8:39:00 PDT	15:39-GMT S Er Gray whale (northbound) Position: 258° / 485 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
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2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 40 2 2	02	9:08:00 PDT SV	16:08-GMT Sportfish-private RHIB Position: 144° / 675 m Dir: West	1 vessel
F 40 1 2	04	10:01:00 PDT SC	17:01-GMT Mn Humpback whale Position: 210° / 2,872 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 40 1 2	05	10:04:00 PDT SV	17:04-GMT Dive-commercial Got-a-fish Position: 100° / 2,872 m Dir: West	1 vessel
F 40 1 2	06	10:11:00 PDT SC	17:11-GMT Mn Humpback whale Position: 229° / 3,288 m Dir: nd; Behavior: Breach	Total 1 — 0 Calves at sighting
F 40 1 2	07	10:22:00 PDT SO	17:22-GMT E Southern Sea otter Position: 116° / 840 m Dir: Stationary; Behavior: in kelp • on back, feeding	Total 1 — 0 Pups at sighting
F 40 1 2	08	10:29:00 PDT SC	17:29-GMT Tt Bottlenose dolphin Position: 116° / 840 m Dir: West; Behavior: Slow travel • Milling	Total 12 — 0 Calves at sighting
F 20 1 1.7	09	10:35:00 PDT SV	17:35-GMT Whale watching Condor Express Position: 206° / 2,872 m Dir: Stationary	1 vessel
F 15 2 1.7	10	11:03:00 PDT SC	18:03-GMT Tt Bottlenose dolphin Position: 128° / 466 m Dir: West; Behavior: Slow travel	Total 7 — 0 Calves at sighting
G 30 2 2	11	15:50:00 PDT SC	22:50-GMT Mn Humpback whale Position: 241° / 2,872 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
G 30 2 2	12	15:56:00 PDT SC	22:56-GMT Mn Humpback whale Position: 274° / 2,094 m Dir: South; Behavior: Slow travel	Total 2 — 0 Calves at sighting
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Quality	CCvr	Bft	Vis	
F 85 0 1.7	01	9:08:00 PDT S	16:08-GMT Er Gray whale (northbound) Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 85 0 1.7	02	9:11:00 PDT S	16:11-GMT Er Gray whale (northbound) Position: 108° / 2,094 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
F 85 0 1.7	03	9:44:00 PDT SV	16:44-GMT Whale watching Condor Express Position: 103° / 2,872 m Dir: West	1 vessel
F 85 0 1.7	04	9:49:00 PDT SV	16:49-GMT Oil services Crew boat Position: 291° / 3,288 m Dir: South	1 vessel
F 85 0 1.7	05	10:01:00 PDT S	17:01-GMT Er Gray whale (northbound) Position: 118° / 1,778 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 95 2 1.7	06	10:40:00 PDT SV	17:40-GMT Oil services Crew boat Position: 293° / 3,288 m Dir: North	1 vessel
P 80 0 1.7	07	11:49:00 PDT SC	18:49-GMT Tt Bottlenose dolphin Position: 166° / 367 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 80 0 1.7	08	11:56:00 PDT SV	18:56-GMT Oil services Crew boat Position: 246° / 2,872 m Dir: South	1 vessel

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
P 85 0 1.7	09 12:14:00 PDT	19:14-GMT SC D sp Common dolphin species Position: 200° / 3,288 m Dir: East; Behavior: Moderate travel	Total 250 — 0 Calves at sighting
P 90 1 1.7	10 12:52:00 PDT	19:52-GMT SO El Southern Sea otter Position: 110° / 1,294 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 90 1 1.7	11 13:32:00 PDT	20:32-GMT SC Tt Bottlenose dolphin Position: 190° / 404 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 90 1 1.7	12 13:41:00 PDT	20:41-GMT SC Tt Bottlenose dolphin Position: 110° / 2,094 m Dir: West; Behavior: Moderate travel	Total 7 — 0 Calves at sighting
P 90 1 1.7	13 13:42:00 PDT	20:42-GMT SV Sportfish-private Position: 129° / 715 m Dir: East	1 vessel
P 90 1 1.7	14 14:40:00 PDT	21:40-GMT SV Oil services Crew boat Position: 292° / 3,288 m Dir: South	1 vessel
P 95 1 1.7	15 14:44:00 PDT	21:44-GMT S Er Gray whale (northbound) Position: 130° / 3,288 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
P 95 1 1.7	16 16:01:00 PDT	23:01-GMT SV Fish-trap-commercial Lobster Sea Fever Position: 246° / 1,228 m Dir: East	1 vessel
P 95 1 1.7	17 16:05:00 PDT	23:05-GMT SC Mn Humpback whale Position: 189° / 2,553 m Dir: Stationary; Behavior: Milling	Total 3 — 0 Calves at sighting
P 95 1 1.7	18 16:05:00 PDT	23:05-GMT SV Whale watching Condor Express Position: 184° / 2,553 m Dir: Stationary	1 vessel
P 95 1 1.7	19 16:44:00 PDT	23:44-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 166° / 1,369 m Dir: Stationary	1 vessel
P 95 1 1.7	20 16:55:00 PDT	23:55-GMT SC Tt Bottlenose dolphin Position: 130° / 715 m Dir: West; Behavior: Moderate travel • Milling	Total 6 — 0 Calves at sighting
P 95 1 1.7	21 16:59:00 PDT	23:59-GMT S Er Gray whale (northbound) Position: 151° / 2,872 m Dir: West; Behavior: Slow travel • Fluke	Total 2 — 0 Calves at sighting

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Quality CCvr Bft Vis

P 60 2 1.7	01 9:00:00 PDT	16:00-GMT SO El Southern Sea otter Position: 117° / 639 m Dir: Stationary; Behavior: on back, resting	Total 1 — 0 Pups at sighting
P 60 2 1.7	02 9:00:00 PDT	16:00-GMT SO El Southern Sea otter Position: 106° / 1,294 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 60 2 1.7	03 9:08:00 PDT	16:08-GMT SV Oil services Crew boat Position: 238° / 2,872 m Dir: Stationary	1 vessel
P 60 2 1.7	04 9:09:00 PDT	16:09-GMT SV Oil services Crew boat Position: 281° / 3,288 m Dir: North	1 vessel
P 85 2 1.7	05 10:28:00 PDT	17:28-GMT SV Oil services Crew boat Position: 239° / 2,872 m Dir: North	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time	Species / Vessel Type	
					Code		
P	85	2	1.7	06	10:35:00 PDT	17:35-GMT SC Tt Bottlenose dolphin	Total 7 — 0 Calves at sighting Position: 116° / 495 m Dir: East; Behavior: Milling • Breach • Fluke
F	30	2	1.7	07	11:22:00 PDT	18:22-GMT SC D sp Common dolphin species	Total 1500 — 0 Calves at sighting Position: 139° / 3,288 m Dir: West; Behavior: Moderate travel
F	30	3	1.7	08	12:06:00 PDT	19:06-GMT SC ULW unidentified large whale	Total 1 — 0 Calves at sighting Position: 138° / 2,872 m Dir: West; Behavior: Slow travel
P	30	5	1.7	Off-Effort 09	12:24:00 PDT	19:24-GMT SC Tt Bottlenose dolphin	Total 4 — 1 Calf at sighting Position: 184° / 232 m Dir: East; Behavior: Slow travel

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Quality	CCvr	Bft	Vis				
P	10	4	2	01	9:05:00 PDT	16:05-GMT SV Oil services Crew boat	1 vessel Position: 208° / 2,553 m Dir: Stationary
P	10	4	2	02	9:06:00 PDT	16:06-GMT SV Dive-research UCSB	1 vessel Position: 168° / 418 m Dir: Stationary
P	10	4	2	03	9:13:00 PDT	16:13-GMT SO El Southern Sea otter	Total 1 — 0 Pups at sighting Position: 95° / 1,778 m Dir: Stationary; Behavior: Diving • in kelp
P	10	4	2	04	9:16:00 PDT	16:16-GMT S Er Gray whale (northbound)	Images: 9995-9999 Total 2 — 1 Calf at sighting Position: 187° / 367 m Dir: West; Behavior: Slow travel
P	10	5	2	Off-Effort 05	9:49:00 PDT	16:49-GMT SV Whale watching Condor Express	1 vessel Position: 112° / 2,872 m Dir: South
P	10	5	2	Off-Effort 06	10:09:00 PDT	17:09-GMT SV Oil services Work-boat Delilah	1 vessel Position: 126° / 2,872 m Dir: West
P	10	5	2	Off-Effort 07	10:24:00 PDT	17:24-GMT SC Mn Humpback whale	Total 2 — 0 Calves at sighting Position: 152° / 3,288 m Dir: East; Behavior: Slow travel
P	10	5	2	Off-Effort 08	10:37:00 PDT	17:37-GMT SV Oil services Crew boat	1 vessel Position: 279° / 2,872 m Dir: East
P	10	5	2	Off-Effort 09	11:08:00 PDT	18:08-GMT SC Tt Bottlenose dolphin	Total 4 — 0 Calves at sighting Position: 164° / 252 m Dir: East; Behavior: Slow travel
P	10	5	2	Off-Effort 10	11:24:00 PDT	18:24-GMT SV Helicopter Military	1 vessel Position: 174° / 60 m Dir: East
P	10	5	2	Off-Effort 11	11:31:00 PDT	18:31-GMT SV Oil services Crew boat	1 vessel Position: 284° / 3,288 m Dir: South

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Quality	CCvr	Bft	Vis				
F	0	1	3	01	9:00:00 PDT	16:00-GMT SO El Southern Sea otter	Total 1 — 0 Pups at sighting Position: 112° / 840 m Dir: Stationary; Behavior: not indicated
F	0	1	3	02	9:00:00 PDT	16:00-GMT SO El Southern Sea otter	Total 1 — 0 Pups at sighting Position: 111° / 1,228 m Dir: Stationary; Behavior: not indicated

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
F 0 1 3	03 9:04:00 PDT SV	16:04-GMT Sailboat (motor) Position: 214° / 1,369 m Dir: West	1 vessel
F 0 1 3	04 9:06:00 PDT SV	16:06-GMT Fish-trap-commercial Lobster Provider Position: 125° / 1,778 m Dir: Stationary	1 vessel
F 0 1 3	05 10:01:00 PDT SV	17:01-GMT Oil services Crew boat Position: 281° / 3,288 m Dir: South	1 vessel
F 0 1 3	06 10:47:00 PDT SV	17:47-GMT Fish-trap-commercial Lobster Position: 112° / 2,553 m Dir: West	1 vessel
F 0 1 3	07 11:37:00 PDT SV	18:37-GMT Oil services Crew boat Position: 273° / 3,288 m Dir: South	1 vessel
F 0 1 3	08 12:10:00 PDT SV	19:10-GMT Dive-commercial Position: 125° / 2,872 m Dir: West	1 vessel
F 0 1 3	09 13:02:00 PDT SC	20:02-GMT Tt Bottlenose dolphin Position: 202° / 228 m Dir: East; Behavior: Rolling • Milling	Total 4 — 0 Calves at sighting
F 0 1 3	10 13:24:00 PDT SV	20:24-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 233° / 70 m Dir: West	1 vessel
F 0 1 3	11 13:38:00 PDT SV	20:38-GMT Sportfish-private Position: 111° / 2,094 m Dir: West	1 vessel
F 0 1 3	12 13:48:00 PDT SC	20:48-GMT Tt Bottlenose dolphin Position: 205° / 263 m Dir: East; Behavior: Moderate travel	Total 11 — 0 Calves at sighting
F 0 1 3	13 14:08:00 PDT SO	21:08-GMT Ei Southern Sea otter Position: 139° / 378 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 0 1 3	14 14:32:00 PDT SV	21:32-GMT Helicopter Position: 164° / 75 m Dir: South	1 vessel
F 0 1 3	15 14:50:00 PDT SV	21:50-GMT Oil services Crew boat Position: 241° / 2,872 m Dir: South	1 vessel
F 0 1 3	16 15:08:00 PDT SV	22:08-GMT Fish-trap-commercial Position: 227° / 761 m Dir: East	1 vessel
F 0 1 3	17 15:38:00 PDT S	22:38-GMT Er Gray whale (northbound) Position: 98° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 1 Calf at sighting Images: none
F 0 1 3	18 15:49:00 PDT S	22:49-GMT Er Gray whale (northbound) Position: 131° / 675 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting

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Quality CCvr Bft Vis

G 0 0 2	01 9:02:00 PDT SV	16:02-GMT Private Isabella Position: 124° / 1,778 m Dir: North	1 vessel
G 0 0 2	02 9:05:00 PDT SV	16:05-GMT Fish-trap-commercial Lobster Kaylee J Position: 126° / 1,294 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
G 0 0 2	03	9:10:00 PDT SV	16:10-GMT Oil services Crew boat Position: 269° / 2,872 m Dir: South	1 vessel
G 0 0 2	04	9:24:00 PDT SV	16:24-GMT Dive-private Position: 126° / 1,294 m Dir: West	1 vessel
G 0 0 2	05	9:39:00 PDT SV	16:39-GMT Private Position: 101° / 2,872 m Dir: West	1 vessel
G 0 0 2	06	10:57:00 PDT SV	17:57-GMT Sportfish-private Position: 108° / 2,094 m Dir: West	1 vessel
G 0 0 2	07	10:58:00 PDT SV	17:58-GMT Whale watching Condor Express Position: 200° / 1,778 m Dir: East	1 vessel
G 0 0 2	08	11:05:00 PDT SV	18:05-GMT Private Position: 100° / 2,872 m Dir: East	1 vessel
G 0 0 2	09	11:13:00 PDT SV	18:13-GMT Private Position: 129° / 1,228 m Dir: West	1 vessel
F 5 1 2	10	11:55:00 PDT SV	18:55-GMT Sportfish-private Position: 255° / 1,019 m Dir: East	1 vessel
F 5 1 2	11	12:29:00 PDT SV	19:29-GMT Fish-trap-commercial Lobster Position: 131° / 2,094 m Dir: West	1 vessel
F 5 1 2	12	12:41:00 PDT SV	19:41-GMT Sportfish-private Position: 226° / 1,294 m Dir: East	1 vessel
F 5 1 2	13	12:42:00 PDT SV	19:42-GMT Private RHIB Position: 136° / 2,094 m Dir: West	1 vessel
F 0 1 2	14	13:36:00 PDT SV	20:36-GMT Fish-trap-commercial Lobster Kaylee J Position: 229° / 2,094 m Dir: East	1 vessel
F 0 1 2	15	13:41:00 PDT SO	20:41-GMT El Southern Sea otter Position: 183° / 167 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 0 1 2	16	13:47:00 PDT SV	20:47-GMT Kayak/canoe (beyond kelp) Position: 119° / 715 m Dir: West	1 vessel
F 0 1 2	17	14:05:00 PDT SV	21:05-GMT Oil services Crew boat Position: 249° / 1,228 m Dir: East	1 vessel
F 0 1 2	18	14:31:00 PDT SV	21:31-GMT Private RHIB Position: 199° / 715 m Dir: East	1 vessel
F 0 1 2	19	14:47:00 PDT SV	21:47-GMT Private Position: 124° / 1,369 m Dir: West	1 vessel
F 0 1 2	20	15:12:00 PDT SV	22:12-GMT Sportfish-private Position: 187° / 1,778 m Dir: East	1 vessel
F 0 1 2	21	15:21:00 PDT SV	22:21-GMT Sailboat (motor) Jenny Lane Position: 262° / 761 m Dir: East	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 0 1 2	22	15:25:00 PDT	22:25-GMT SV Sailboat Position: 129° / 1,228 m Dir: West	1 vessel
F 0 1 2	23	16:12:00 PDT	23:12-GMT SC D sp Common dolphin species Position: 201° / 2,094 m Dir: West; Behavior: Slow travel	Total 500 — 0 Calves at sighting
F 0 1 2	24	16:25:00 PDT	23:25-GMT SV Oil services Position: 261° / 3,288 m Dir: South	1 vessel
F 0 1 2	25	16:31:00 PDT	23:31-GMT SV Sportfish-private Position: 130° / 1,019 m Dir: West	1 vessel

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Quality CCvr Bft Vis

F 30 1 1.7	01	9:19:00 PDT	16:19-GMT SC Mn Humpback whale Position: 139° / 1,019 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting • Fluke
F 30 1 1.7	02	9:25:00 PDT	16:25-GMT SV Private Position: 108° / 1,778 m Dir: West	1 vessel
F 30 1 1.7	03	9:25:00 PDT	16:25-GMT SV Airplane Position: 214° / 100 m Dir: West	1 vessel
F 30 1 1.7	04	9:42:00 PDT	16:42-GMT SV Airplane Position: 214° / 100 m Dir: West	1 vessel
F 30 1 1.7	05	9:51:00 PDT	16:51-GMT SC D sp Common dolphin species Position: 186° / 1,294 m Dir: East; Behavior: not indicated	Total 500 — 0 Calves at sighting
F 30 1 1.7	06	9:54:00 PDT	16:54-GMT SV Whale watching Condor Express Position: 235° / 1,546 m Dir: West	1 vessel
F 30 1 1.7	07	10:01:00 PDT	17:01-GMT SO El Southern Sea otter Position: 239° / 327 m Dir: Stationary; Behavior: Diving	Total 1 — 0 Pups at sighting • on back, feeding
F 30 1 1.7	08	10:40:00 PDT	17:40-GMT SV Oil services Crew boat Position: 267° / 3,288 m Dir: East	1 vessel
F 30 1 1.7	09	10:46:00 PDT	17:46-GMT SV Oil services Crew boat Position: 273° / 3,288 m Dir: South	1 vessel
F 30 1 1.7	10	10:56:00 PDT	17:56-GMT SV Sailboat Position: 133° / 2,553 m Dir: West	1 vessel
F 30 1 1.7	11	11:13:00 PDT	18:13-GMT SV Sportfish-private Position: 109° / 2,094 m Dir: West	1 vessel
F 30 1 1.7	12	11:20:00 PDT	18:20-GMT SV Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel
F 30 1 1.7	13	11:34:00 PDT	18:34-GMT SV Sportfish-private Position: 104° / 2,872 m Dir: West	1 vessel
F 30 1 1.7	14	11:54:00 PDT	18:54-GMT S Er Gray whale (northbound) Position: 131° / 871 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 30 1 1.7	15	12:04:00 PDT	19:04-GMT SV Jet ski Position: 124° / 1,019 m Dir: West	1 vessel
F 30 1 1.7	16	12:08:00 PDT	19:08-GMT SV Private Position: 124° / 1,778 m Dir: West	1 vessel
F 30 1 1.7	17	12:40:00 PDT	19:40-GMT SV Sportfish-private Position: 142° / 485 m Dir: West	1 vessel
F 30 1 1.7	17	12:40:00 PDT	19:40-GMT SV Sportfish-private Position: 142° / 485 m Dir: West	1 vessel
F 30 1 1.7	18	12:47:00 PDT	19:47-GMT S Er Gray whale (northbound) Position: 104° / 2,094 m Dir: West; Behavior: Slow travel	Images: none Total 3 — 1 Calf at sighting
F 30 1 1.7	19	12:55:00 PDT	19:55-GMT SV Whale watching Condor Express Position: 110° / 2,094 m Dir: West	1 vessel
F 30 1 1.7	20	13:15:00 PDT	20:15-GMT SV Sportfish-private Position: 259° / 1,294 m Dir: East	1 vessel
F 30 1 1.7	21	13:32:00 PDT	20:32-GMT SV Fish-commercial Squid Position: 143° / 1,778 m Dir: West	1 vessel
F 30 1 1.7	22	13:36:00 PDT	20:36-GMT SV Sportfish-private Position: 105° / 2,094 m Dir: West	1 vessel
F 30 1 1.7	23	13:38:00 PDT	20:38-GMT SV Sportfish-private Boston Whaler Position: 114° / 1,778 m Dir: West	1 vessel
F 30 1 1.7	24	13:46:00 PDT	20:46-GMT SC Mn Humpback whale Position: 176° / 4,712 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 30 1 1.7	25	14:02:00 PDT	21:02-GMT SC ULW unidentified large whale Position: 160° / 3,288 m Dir: Stationary; Behavior: not indicated	Total 2 — 0 Calves at sighting
F 30 1 1.7	26	14:05:00 PDT	21:05-GMT SV Airplane Position: 174° / 200 m Dir: East	1 vessel
F 30 3 2	27	14:14:00 PDT	21:14-GMT SV Sportfish-private Position: 199° / 336 m Dir: East	1 vessel
F 30 3 2	28	14:18:00 PDT	21:18-GMT S Er Gray whale (northbound) Position: 120° / 1,019 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 30 3 2	29	15:13:00 PDT	22:13-GMT SV Sportfish-private Position: 252° / 1,019 m Dir: East	1 vessel
F 30 3 2	30	15:27:00 PDT	22:27-GMT SV Sportfish-private Position: 239° / 871 m Dir: East	1 vessel
F 30 3 2	31	15:30:00 PDT	22:30-GMT SC Tt Bottlenose dolphin Position: 213° / 551 m Dir: East; Behavior: Milling	Total 14 — 0 Calves at sighting
F 30 3 2	32	15:38:00 PDT	22:38-GMT SV Airplane Position: 174° / 100 m Dir:	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 30 3 2	33	15:59:00 PDT	22:59-GMT S Er Gray whale (northbound) Position: 144° / 404 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 30 3 2	34	16:04:00 PDT	23:04-GMT SV Sportfish-private Position: 210° / 1,546 m Dir: North	1 vessel
F 30 3 2	35	16:05:00 PDT	23:05-GMT SV Whale watching Condor Express Position: 224° / 2,553 m Dir: West	1 vessel
F 30 3 2	36	16:14:00 PDT	23:14-GMT SV Oil services Crew boat Position: 290° / 3,288 m Dir: South	1 vessel
F 30 3 2	37	16:26:00 PDT	23:26-GMT SV Research vessel Position: 241° / 2,553 m Dir: East	1 vessel
F 30 3 2	38	16:30:00 PDT	23:30-GMT SV Sportfish-private Position: 276° / 1,778 m Dir: East	1 vessel

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Quality CCvr Bft Vis

F 70 0 3	01	9:02:00 PDT	16:02-GMT S Er Gray whale (northbound) Position: 114° / 1,113 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
F 70 0 3	02	9:05:00 PDT	16:05-GMT SO El Southern Sea otter Position: 104° / 1,228 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 70 0 3	03	9:22:00 PDT	16:22-GMT SV Sportfish-private Position: 122° / 1,228 m Dir: West	1 vessel
F 60 0 3	04	9:51:00 PDT	16:51-GMT SV Fish-commercial Urchin Position: 106° / 2,553 m Dir: Stationary	1 vessel
F 60 0 3	05	10:00:00 PDT	17:00-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 400 m Dir: West	1 vessel
F 60 0 3	06	10:01:00 PDT	17:01-GMT SC D sp Common dolphin species Position: 156° / 2,553 m Dir: East; Behavior: Moderate travel	Total 350 — 0 Calves at sighting
F 60 0 3	07	10:12:00 PDT	17:12-GMT SV Sportfish-private Position: 140° / 1,369 m Dir: West	1 vessel
F 50 0 3	08	10:14:00 PDT	17:14-GMT SV Helicopter Coast Guard Position: 174° / 700 m Dir: East	1 vessel
F 20 0 3	09	11:35:00 PDT	18:35-GMT SC Mn Humpback whale Position: 140° / 2,872 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 20 0 3	10	11:41:00 PDT	18:41-GMT SV Oil services Crew boat Position: 291° / 3,288 m Dir: South	1 vessel
F 20 0 3	11	11:47:00 PDT	18:47-GMT SV Enforcement Sheriff Position: 219° / 449 m Dir: East	1 vessel
F 20 0 3	12	12:28:00 PDT	19:28-GMT SV Oil services Work-boat Delilah Position: 275° / 1,369 m Dir: East	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
G 50 0 3	13	12:49:00 PDT	19:49-GMT SV Sportfish-private Position: 110° / 2,553 m Dir: West	1 vessel
G 50 0 3	14	13:32:00 PDT	20:32-GMT SV Sportfish-private Position: 154° / 1,294 m Dir: West	1 vessel
G 50 0 3	15	14:05:00 PDT	21:05-GMT S Er Gray whale (northbound) Position: 114° / 1,228 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
G 50 0 3	16	14:38:00 PDT	21:38-GMT SV Oil services Crew boat Position: 282° / 3,288 m Dir: South	1 vessel
F 90 2 3	17	15:29:00 PDT	22:29-GMT SV Oil services Position: 267° / 3,288 m Dir: West	1 vessel
F 90 2 3	18	16:11:00 PDT	23:11-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
F 90 2 3	19	16:20:00 PDT	23:20-GMT S Er Gray whale (northbound) Position: 107° / 1,778 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 0 Calves at sighting
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Quality CCvr Bt Vis				
G 40 0 2	01	8:54:00 PDT	15:54-GMT SO El Southern Sea otter Position: 117° / 840 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
G 40 0 2	02	8:54:00 PDT	15:54-GMT S Er Gray whale (northbound) Position: 108° / 1,546 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
G 40 0 2	03	8:55:00 PDT	15:55-GMT S Er Gray whale (northbound) Position: 108° / 1,546 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
G 40 0 2	04	9:32:00 PDT	16:32-GMT SV Whale watching Condor Express Position: 111° / 1,778 m Dir: West	1 vessel
G 40 0 2	05	9:53:00 PDT	16:53-GMT S Er Gray whale (northbound) Position: 106° / 2,553 m Dir: West; Behavior: Slow travel	Total 2 — 1 Calf at sighting
F 50 1 2	06	9:53:00 PDT	16:53-GMT SV Oil services Tug (little) Delilah Position: 104° / 3,288 m Dir: West	1 vessel
F 50 1 2	07	10:37:00 PDT	17:37-GMT SV Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel
F 30 1 2	08	11:45:00 PDT	18:45-GMT SV Sailboat (motor) Position: 149° / 2,094 m Dir: West	1 vessel
F 30 1 2	09	11:50:00 PDT	18:50-GMT SV Oil services Crew boat Position: 279° / 3,288 m Dir: South	1 vessel
F 30 1 2	10	12:08:00 PDT	19:08-GMT SV Private Position: 139° / 2,872 m Dir: West	1 vessel
F 30 1 2	11	12:22:00 PDT	19:22-GMT SV Fish-trap-commercial Lobster Position: 112° / 1,778 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 30 1 2	12	12:28:00 PDT SV	19:28-GMT Oil services Barge+Tug Jovalan Position: 216° / 2,872 m Dir: Stationary	1 vessel
F 30 1 2	13	13:13:00 PDT SO	20:13-GMT El Southern Sea otter Position: 155° / 327 m Dir: Stationary; Behavior: Diving • in open water	Total 1 — 0 Pups at sighting
F 30 1 2	14	PDT S	7:-GMT Er Gray whale (northbound) Position: 104° / 2,553 m Dir: West; Behavior: Slow travel • Fluke	Total 1 — 0 Calves at sighting
F 30 1 2	15	13:47:00 PDT SV	20:47-GMT Sailboat (motor) Position: 102° / 2,553 m Dir: West	1 vessel
F 30 1 2	16	14:07:00 PDT SV	21:07-GMT Vessel Assist Position: 111° / 2,553 m Dir: West	1 vessel
F 30 1 2	17	14:25:00 PDT SV	21:25-GMT Helicopter Position: 174° / 600 m Dir: East	1 vessel
F 30 1 2	18	14:27:00 PDT SV	21:27-GMT Dive-research UCSB Position: 234° / 812 m Dir: East	1 vessel
F 30 3 1.7	19	14:30:00 PDT SV	21:30-GMT Oil services Work-boat Danny C Position: 118° / 2,553 m Dir: West	1 vessel
F 30 3 1.7	20	14:45:00 PDT SV	21:45-GMT Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel
F 30 3 1.7	21	14:48:00 PDT SV	21:48-GMT Research vessel CINMS R/V Shearwater Position: 150° / 3,288 m Dir: North	1 vessel
F 30 3 1.7	22	15:13:00 PDT SV	22:13-GMT Oil services Observation vessel Position: 112° / 1,778 m Dir: West	1 vessel
F 30 3 1.7	23	15:55:00 PDT SV	22:55-GMT Private Position: 214° / 1,228 m Dir: East	1 vessel
F 30 3 1.7	24	16:05:00 PDT SV	23:05-GMT Helicopter Position: 174° / 300 m Dir: West	1 vessel
F 30 3 1.7	25	16:20:00 PDT SV	23:20-GMT Oil services Crew boat Position: 293° / 2,872 m Dir: East	1 vessel
F 30 3 1.7	26	16:32:00 PDT SO	23:32-GMT El Southern Sea otter Position: 198° / 212 m Dir: Stationary; Behavior: not indicated	Total 1 — 0 Pups at sighting
F 30 3 1.7	27	16:48:00 PDT SV	23:48-GMT Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel

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Quality CCvr Bft Vis

P 10 1 1.7	01	9:05:00 PDT SO	16:05-GMT El Southern Sea otter Position: 112° / 1,778 m Dir: Stationary; Behavior: in kelp	Total 1 — 0 Pups at sighting
P 10 1 1.7	02	9:12:00 PDT SV	16:12-GMT Oil services Work-boat Danny C Position: 130° / 2,553 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type	
P	10	1	1.7	03	9:26:00 PDT SV	16:26-GMT Private Position: 117° / 1,778 m Dir: West	1 vessel
P	10	1	1.7	04	9:28:00 PDT SV	16:28-GMT Oil services Barge+Tug Jovalan Position: 276° / 939 m Dir: Stationary	1 vessel
P	10	1	1.7	05	9:28:00 PDT SV	16:28-GMT Oil services Tug (little) Delilah Position: 277° / 1,546 m Dir: Stationary	1 vessel
P	10	1	1.7	06	9:28:00 PDT SV	16:28-GMT Oil services Observation vessel Position: 291° / 1,228 m Dir: Stationary	1 vessel
P	100	1	1	Off-Effort 07	13:21:00 PDT SV	20:21-GMT Dive-commercial Got-a-fish Position: 215° / 242 m Dir: Stationary	1 vessel
P	100	1	1	Off-Effort 08	13:22:00 PDT SV	20:22-GMT Fish-trap-commercial Lobster Position: 213° / 1,019 m Dir: West	1 vessel
P	100	1	1	Off-Effort 09	13:23:00 PDT SV	20:23-GMT Oil services Crew boat Position: 238° / 2,872 m Dir: Stationary	1 vessel
P	100	1	1	Off-Effort 10	13:38:00 PDT SC	20:38-GMT Tt Bottlenose dolphin Position: 151° / 281 m Dir: East; Behavior: Moderate travel	Total 1 — 0 Calves at sighting
P	100	2	1	Off-Effort 11	14:15:00 PDT SV	21:15-GMT Fish-trap-commercial Lobster Kaylee J Position: 210° / 1,228 m Dir: East	1 vessel
P	100	2	1	Off-Effort 12	14:32:00 PDT SV	21:32-GMT Research vessel Position: 184° / 378 m Dir: East	1 vessel
P	100	2	1	Off-Effort 13	16:21:00 PDT SC	23:21-GMT Tt Bottlenose dolphin Position: 102° / 840 m Dir: North; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P	100	2	1	Off-Effort 14	16:51:00 PDT S	23:51-GMT Er Gray whale (northbound) Position: 101° / 2,553 m Dir: West; Behavior: Slow travel	Total 4 — 2 Calves at sighting
P	100	2	1	Off-Effort 15	17:11:00 PDT S	0:11; 4/23/2009-GMT Er Gray whale (northbound) Position: 117° / 1,228 m Dir: West; Behavior: Slow travel	Total 2 — 1 Calf at sighting

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Quality CCvr Bfr Vis

F	100	1	2	01	9:00:00 PDT S	16:00-GMT Er Gray whale (northbound) Position: 106° / 1,228 m Dir: West; Behavior: Slow travel	Images: none Total 3 — 0 Calves at sighting
F	100	1	2	02	9:06:00 PDT SO	16:06-GMT El Southern Sea otter Position: 116° / 812 m Dir: ni; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F	100	2	2	03	10:24:00 PDT SV	17:24-GMT Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel
F	100	2	2	04	10:25:00 PDT SV	17:25-GMT Oil services Crew boat Position: 291° / 3,288 m Dir: South	1 vessel
F	100	2	2	05	10:32:00 PDT SV	17:32-GMT Fish-trap-commercial Position: 119° / 2,872 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 100 2 2	06	11:15:00 PDT	18:15-GMT SV Oil services Crew boat Position: 233° / 2,553 m Dir: Stationary	1 vessel
F 100 2 2	07	11:25:00 PDT	18:25-GMT S Er Gray whale (northbound) Position: 144° / 1,546 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 100 2 2	08	11:33:00 PDT	18:33-GMT S Er Gray whale (northbound) Position: 150° / 1,228 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
F 100 2 2	09	12:00:00 PDT	19:00-GMT SC Tt Bottlenose dolphin Position: 156° / 761 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
F 100 2 2	10	13:16:00 PDT	20:16-GMT SV Private Position: 107° / 2,553 m Dir: West	1 vessel
F 100 1 2	11	14:45:00 PDT	21:45-GMT SV Oil services Crew boat Position: 282° / 871 m Dir: South	1 vessel
F 100 1 2	12	14:47:00 PDT	21:47-GMT S Er Gray whale (northbound) Position: 170° / 367 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
F 100 1 2	13	14:53:00 PDT	21:53-GMT SV Private Position: 269° / 2,094 m Dir: East	1 vessel
F 100 1 2	14	15:05:00 PDT	22:05-GMT SV Sportfish-private Position: 110° / 1,546 m Dir: Stationary	1 vessel
F 100 1 2	15	15:56:00 PDT	22:56-GMT SO El Southern Sea otter Position: 109° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 100 1 2	16	15:58:00 PDT	22:58-GMT SO El Southern Sea otter Position: 113° / 939 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
F 100 1 2	17	16:10:00 PDT	23:10-GMT SV Helicopter Position: 174° / 400 m Dir: West	1 vessel

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Quality	CCvr	Bft	Vis	Number	Time Code	Species / Vessel Type	
P	100	1	2	01	9:05:00 PDT	16:05-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 259° / 2,094 m Dir: North	1 vessel
P	100	1	2	Void 02	9:21:00 PDT	16:21-GMT void	
P	100	1	2	03	9:38:00 PDT	16:38-GMT SV Whale watching Condor Express Position: 112° / 2,094 m Dir: West	1 vessel
P	100	1	2	04	9:43:00 PDT	16:43-GMT SV Dive-research UCSB Position: 112° / 1,778 m Dir: Stationary	1 vessel
P	100	1	2	05	9:53:00 PDT	16:53-GMT SC Mn Humpback whale Position: 141° / 4,712 m Dir: ni; Behavior: not indicated	Total 2 — 0 Calves at sighting
P	100	1	2	06	10:01:00 PDT	17:01-GMT SV Private Position: 116° / 2,553 m Dir: Stationary	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 100 1 2	07	11:31:00 PDT	18:31-GMT SV Oil services Crew boat Position: 285° / 3,288 m Dir: South	1 vessel
P 100 1 2	08	12:01:00 PDT	19:01-GMT SC Tt Bottlenose dolphin Position: 147° / 449 m Dir: West; Behavior: Milling	Total 2 — 0 Calves at sighting
P 100 1 2	09	12:47:00 PDT	19:47-GMT SC Tt Bottlenose dolphin Position: 221° / 288 m Dir: ; Behavior: Milling	Total 3 — 0 Calves at sighting
P 100 1 2	10	13:02:00 PDT	20:02-GMT SV Jet ski Position: 139° / 449 m Dir: West	2 vessels
P 100 1 2	11	13:08:00 PDT	20:08-GMT SV Private Position: 210° / 715 m Dir: East	1 vessel
P 100 1 2	12	13:26:00 PDT	20:26-GMT SV Fish-trap-commercial Lobster Provider Position: 140° / 1,546 m Dir: East	1 vessel
P 100 1 2	13	13:55:00 PDT	20:55-GMT SV Fish-trap-commercial Lobster Position: 186° / 715 m Dir: East	1 vessel
P 100 1 2	14	14:09:00 PDT	21:09-GMT SV Fish-trap-commercial Lobster Position: 188° / 1,546 m Dir: East	1 vessel
P 100 1 2	15	14:48:00 PDT	21:48-GMT SV Oil services Crew boat Position: 245° / 2,872 m Dir: South	1 vessel
P 100 1 2	16	15:05:00 PDT	22:05-GMT SV Private RHIB Position: 214° / 404 m Dir: East	1 vessel
F 65 3 2	17	15:40:00 PDT	22:40-GMT SV Vessel Assist Tug (little) Position: 145° / 2,553 m Dir: West	1 vessel
F 65 3 2	18	15:51:00 PDT	22:51-GMT SV Private Position: 260° / 939 m Dir: East	1 vessel
F 50 4 2	19	16:06:00 PDT	23:06-GMT SV Oil services Work-boat Danny C Position: 111° / 2,553 m Dir: West	1 vessel
Apr 25 Day 83 of 105				
Quality	CCvr	BR	Vis	
F 0 4 3	01	9:28:00 PDT	16:28-GMT SV Private Position: 110° / 1,546 m Dir: West	1 vessel
F 0 4 3	02	10:02:00 PDT	17:02-GMT SV Private Position: 111° / 1,778 m Dir: West	1 vessel
F 0 4 3	03	11:12:00 PDT	18:12-GMT S Er Gray whale (northbound) Position: 112° / 3,288 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
Apr 26 Day 84 of 105				
Quality	CCvr	BR	Vis	
F 0 2 2	01	10:12:00 PDT	17:12-GMT SO El Southern Sea otter Position: 113° / 1,369 m Dir: Stationary; Behavior: Grooming • in kelp	

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 0 2 1.7	02	10:21:00 PDT	17:21-GMT SV Sportfish-private Position: 259° / 1,546 m Dir: East	1 vessel
F 0 0 2	03	12:24:00 PDT	19:24-GMT SV Sportfish-private Position: 167° / 505 m Dir: West	1 vessel
P 0 0 1.7	04	13:14:00 PDT	20:14-GMT S Er Gray whale (northbound) Position: 144° / 639 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 0 0 1.7	05	13:30:00 PDT	20:30-GMT SV Helicopter Position: 174° / 0 m Dir: West	1 vessel
P 0 0 1.7	06	13:33:00 PDT	20:33-GMT SO El Southern Sea otter Position: 171° / 216 m Dir: West; Behavior: Diving • in surf zone	Total 1 — 0 Pups at sighting
P 0 3 1.7	07	14:07:00 PDT	21:07-GMT SV Private Surfer Dude Position: 255° / 551 m Dir: South	1 vessel
P 0 3 1.7	08	14:12:00 PDT	21:12-GMT SV Oil services Crew boat Position: 264° / 2,553 m Dir: South	1 vessel
P 0 3 1.7	09	15:10:00 PDT	22:10-GMT SV Sportfish-private Position: 259° / 2,553 m Dir: East	1 vessel
P 0 3 1.7	10	15:17:00 PDT	22:17-GMT SC Tt Bottlenose dolphin Position: 174° / 257 m Dir: East; Behavior: not indicated	Total 3 — 0 Calves at sighting
P 0 4 1.7	11	15:22:00 PDT	22:22-GMT SV Oil services Crew boat Position: 281° / 3,288 m Dir: South	1 vessel
Apr 27 Day 85 of 105				
Quality	CCvr	Bft	Vis	
P 85	2	1.7		
P 85	2	1.7		
P 100	2	1	Off-Effort	
P 100	2	1.7		
P 90	0	1.7		
P 90	0	1.7		
P 90	2	1.7		
P 90	2	1.7		

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 90 2 1.7	09	13:24:00 PDT	20:24-GMT SV Helicopter Coast Guard Position: 174° / 800 m Dir: West	1 vessel
P 95 2 1.7	10	13:58:00 PDT	20:58-GMT S Er Gray whale (northbound) Position: 100° / 2,872 m Dir: West; Behavior: Milling	Images: none Total 2 — 1 Calf at sighting
P 95 3 1.7	11	14:44:00 PDT	21:44-GMT SV Oil services Crew boat Position: 290° / 3,288 m Dir: South	1 vessel
P 95 4 1.7	12	15:55:00 PDT	22:55-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
P 95 4 1.7	13	16:35:00 PDT	23:35-GMT SV Oil services Crew boat Position: 276° / 3,288 m Dir: South	1 vessel
Apr 28 Day 86 of 105				
Quality CCvr Bft Vis				
F 0 2 3	01	10:39:00 PDT	17:39-GMT SC Tt Bottlenose dolphin Position: 164° / 288 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
F 0 3 3	02	11:35:00 PDT	18:35-GMT SV Dive-commercial Urchin Position: 126° / 2,553 m Dir: West	1 vessel
F 0 3 3	03	12:10:00 PDT	19:10-GMT SV Oil services Crew boat Position: 235° / 2,553 m Dir: South	1 vessel
F 0 3 3	04	12:46:00 PDT	19:46-GMT S Er Gray whale (northbound) Position: 141° / 715 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
F 0 3 3	05	12:51:00 PDT	19:51-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
F 0 3 3	06	14:20:00 PDT	21:20-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 200 m Dir: West	1 vessel
P 0 4 1.7	07	14:45:00 PDT	21:45-GMT SV Oil services Crew boat Position: 254° / 3,288 m Dir: South	1 vessel
P 0 4 1.7	08	14:58:00 PDT	21:58-GMT SV Fish-trap-commercial Lobster Position: 261° / 1,778 m Dir: East	1 vessel
Apr 29 Day 87 of 105				
Quality CCvr Bft Vis				
F 0 2 1.7	01	9:32:00 PDT	16:32-GMT SV Oil services Crew boat Position: 257° / 2,872 m Dir: South	1 vessel
F 0 3 1.7	02	9:55:00 PDT	16:55-GMT SV Fish-trap-commercial Lobster Position: 103° / 1,778 m Dir: West	1 vessel
F 0 3 1.7	03	9:56:00 PDT	16:56-GMT SV Fish-trap-commercial Lobster Ocean Pearl Position: 119° / 2,872 m Dir: West	1 vessel
F 0 3 1.7	04	10:02:00 PDT	17:02-GMT SV Oil services Crew boat Position: 274° / 2,872 m Dir: North	1 vessel

2009 All Sighting Numbers, Raw

Number	Time Code	Species / Vessel Type	
F 0 2 1.7	05 10:09:00 PDT SV	17:09-GMT Dive-research UCSB Position: 106° / 2,553 m Dir: West	1 vessel
F 0 2 1.7	06 11:25:00 PDT SV	18:25-GMT Enforcement Coast Guard Position: 114° / 2,872 m Dir: West	1 vessel
F 0 2 1.7	07 11:41:00 PDT SV	18:41-GMT Oil services Crew boat Position: 237° / 2,872 m Dir: South	1 vessel
F 0 2 1.7	08 12:25:00 PDT SV	19:25-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
F 0 3 1.7	09 12:38:00 PDT SC	19:38-GMT D sp Common dolphin species Position: 172° / 3,288 m Dir: West; Behavior: Moderate travel	Total 150 — 0 Calves at sighting
F 0 3 1.7	10 13:38:00 PDT SV	20:38-GMT Fish-commercial Squid Challenger Position: 126° / 2,553 m Dir: West	1 vessel
F 0 4 1.7	11 14:08:00 PDT SV	21:08-GMT Sportfish-commercial Princess Position: 162° / 2,553 m Dir: West	1 vessel
F 0 4 1.7	12 14:34:00 PDT SV	21:34-GMT Fish-trap-commercial Lobster Kaylee J Position: 194° / 2,553 m Dir: East	1 vessel
F 0 4 1.7	13 14:52:00 PDT SV	21:52-GMT Oil services Crew boat Position: 252° / 2,872 m Dir: South	1 vessel
F 0 4 1.7	14 16:12:00 PDT SV	23:12-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 400 m Dir: West	1 vessel
F 0 4 1.7	15 16:48:00 PDT SV	23:48-GMT Oil services Crew boat Position: 274° / 3,288 m Dir: South	1 vessel
F 0 4 1.7	16 16:59:00 PDT SC	23:59-GMT Tt Bottlenose dolphin Position: 174° / 310 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting

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Quality	CCvr	Bft	Vis	Number	Time Code	Species / Vessel Type	
F	40	2	1.7	01	8:41:00 PDT S	15:41-GMT Er Gray whale (northbound) Position: 171° / 356 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
F	40	2	1.7	02	8:52:00 PDT SV	15:52-GMT Fish-trap-commercial Lobster Provider Position: 129° / 715 m Dir: West	1 vessel
F	40	2	1.7	03	8:54:00 PDT SV	15:54-GMT Oil services Crew boat Position: 256° / 2,872 m Dir: South	1 vessel
F	40	2	1.7	04	9:46:00 PDT SV	16:46-GMT Dive-research UCSB Position: 127° / 761 m Dir: West	1 vessel
P	25	2	1.7	05	10:10:00 PDT SV	17:10-GMT Enforcement Coast Guard Position: 187° / 639 m Dir: East	1 vessel
P	25	2	1.7	06	10:47:00 PDT S	17:47-GMT Er Gray whale (northbound) Position: 103° / 2,553 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 35 2 2	07	11:50:00 PDT	18:50-GMT SV Oil services Crew boat Position: 251° / 2,872 m Dir: South	1 vessel
G 35 2 3	08	12:57:00 PDT	19:57-GMT S Er Gray whale (northbound) Position: 118° / 505 m Dir: West; Behavior: Slow travel	Images: 0017-0022 Total 2 — 1 Calf at sighting
G 35 2 3	09	13:18:00 PDT	20:18-GMT SV Oil services Crew boat Position: 274° / 3,288 m Dir: South	1 vessel
G 35 2 3	10	13:24:00 PDT	20:24-GMT SV not determined Position: 96° / 2,872 m Dir: West	1 vessel
G 40 2 3	11	14:14:00 PDT	21:14-GMT SV Oil services Crew boat Position: 257° / 3,288 m Dir: South	1 vessel
F 40 2 2	12	15:01:00 PDT	22:01-GMT SC UD unidentified dolphin Position: 214° / 505 m Dir: East; Behavior: Slow travel • Breach	Total 8 — 0 Calves at sighting
F 40 2 2	13	15:20:00 PDT	22:20-GMT SV Oil services Crew boat Position: 281° / 3,288 m Dir: South	1 vessel
F 40 2 2	14	15:43:00 PDT	22:43-GMT SV Fish-commercial Squid Position: 116° / 2,872 m Dir: West	1 vessel
F 60 2 1.7	15	16:01:00 PDT	23:01-GMT SC Tt Bottlenose dolphin Position: 119° / 1,019 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
F 60 2 1.7	16	16:39:00 PDT	23:39-GMT SV Oil services Crew boat Position: 266° / 3,288 m Dir: South	1 vessel
F 60 2 1.7	17	16:43:00 PDT	23:43-GMT SC Tt Bottlenose dolphin Position: 148° / 578 m Dir: South; Behavior: Slow travel • Breach	Total 5 — 0 Calves at sighting

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Quality CCvr Bft Vis

P 100 1 2	01	9:16:00 PDT	16:16-GMT SO El Southern Sea otter Position: 103° / 1,294 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 100 1 2	02	10:20:00 PDT	17:20-GMT SV Sailboat (motor) Position: 118° / 2,553 m Dir: West	1 vessel
P 60 3 2	03	11:37:00 PDT	18:37-GMT SV Oil services Crew boat Position: 292° / 3,288 m Dir: South	1 vessel
P 60 3 2	04	12:04:00 PDT	19:04-GMT SV Fish-trap-commercial Lobster Position: 116° / 2,094 m Dir: West	1 vessel
P 60 3 2	05	12:13:00 PDT	19:13-GMT SV Sportfish-private Position: 249° / 675 m Dir: East	1 vessel
P 60 3 2	06	12:23:00 PDT	19:23-GMT SV Oil services Crew boat Position: 272° / 3,288 m Dir: South	1 vessel
P 60 2 2	07	12:41:00 PDT	19:41-GMT S Er Gray whale (northbound) Position: 100° / 2,553 m Dir: West; Behavior: Slow travel	Images: 0031-0050 Total 2 — 1 Calf at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 60 2 2	08	13:16:00 PDT	20:16-GMT SV Dive-research UCSB Position: 189° / 840 m Dir: East	1 vessel
P 60 2 2	09	14:01:00 PDT	21:01-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
P 60 2 2	10	14:11:00 PDT	21:11-GMT SC Tt Bottlenose dolphin Position: 214° / 302 m Dir: East; Behavior: Moderate travel	Total 5 — 0 Calves at sighting
P 60 2 2	11	14:13:00 PDT	21:13-GMT SC Tt Bottlenose dolphin Position: 145° / 367 m Dir: East; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 70 2 2	12	14:45:00 PDT	21:45-GMT SV Oil services Crew boat Position: 272° / 2,872 m Dir: South	1 vessel
P 70 2 2	13	15:24:00 PDT	22:24-GMT SV Fish-trap-commercial Lobster Position: 234° / 1,019 m Dir: East	1 vessel
P 100 2 2	14	16:12:00 PDT	23:12-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 400 m Dir: West	1 vessel
P 100 2 2	15	16:29:00 PDT	23:29-GMT SV Jet ski Position: 119° / 840 m Dir: West	2 vessels
P 100 2 2	16	16:51:00 PDT	23:51-GMT SV Oil services Crew boat Position: 281° / 2,872 m Dir: South	1 vessel

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Quality CCvr Bft Vis

F 50 3 2	01	9:00:00 PDT	16:00-GMT SO El Southern Sea otter Position: 106° / 1,369 m Dir: Stationary; Behavior: Grooming • in kelp	Total 1 — 0 Pups at sighting
F 50 3 2	02	9:00:00 PDT	16:00-GMT SV Oil services Crew boat Position: 281° / 3,288 m Dir: South	1 vessel
F 50 3 2	03	9:02:00 PDT	16:02-GMT SC Tt Bottlenose dolphin Position: 143° / 378 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 50 3 2	04	9:02:00 PDT	16:02-GMT SV Whale watching Condor Express Position: 103° / 2,094 m Dir: West	1 vessel
F 50 3 2	05	9:31:00 PDT	16:31-GMT SO El Southern Sea otter Position: 118° / 761 m Dir: Stationary; Behavior: with gull(s) • in kelp	Total 1 — 0 Pups at sighting
F 80 4 2	06	9:46:00 PDT	16:46-GMT S Er Gray whale (northbound) Position: 115° / 1,778 m Dir: West; Behavior: Slow travel	Total 2 — 1 Calf at sighting Images: none
P 80 5 2	Off-Effort 07	11:05:00 PDT	18:05-GMT SV Whale watching Condor Express Position: 110° / 1,778 m Dir: West	1 vessel

May 03 Day 91 of 105

Quality CCvr Bft Vis

F 50 2 1.7	01	11:46:00 PDT	18:46-GMT SV Private Position: 124° / 3,288 m Dir: West	1 vessel
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2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type			
F	50	2	1.7	02	11:58:00 PDT	18:58-GMT SO El Southern Sea otter Position: 102° / 1,369 m Dir: Stationary; Behavior: in kelp	Total 1	0 Pups at sighting • on back, resting	
F	50	2	1.7	03	12:24:00 PDT	19:24-GMT SV Sportfish-private Position: 107° / 2,872 m Dir: West	1 vessel		
P	50	5	1.7	Off-Effort 04	13:23:00 PDT	20:23-GMT SV Sportfish-private Position: 168° / 418 m Dir: East	1 vessel		
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May 04		Day 92 of 105							
Quality	CCvr	Bft	Vis						
P	95	3	2	01	9:14:00 PDT	16:14-GMT SO El Southern Sea otter Position: 147° / 378 m Dir: Stationary; Behavior: with gull(s)	Total 1	0 Pups at sighting • in kelp	
P	40	4	1.7	02	10:08:00 PDT	17:08-GMT SV Dive-commercial Urchin Meant To Be Position: 103° / 2,872 m Dir: West	1 vessel		
F	85	4	2	03	11:51:00 PDT	18:51-GMT SV Oil services Crew boat Position: 233° / 2,553 m Dir: Stationary	1 vessel		
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May 05		Day 93 of 105							
Quality	CCvr	Bft	Vis						
P	30	4	2	01	9:04:00 PDT	16:04-GMT SV Dive-commercial Urchin Position: 106° / 1,546 m Dir: West	1 vessel		
P	30	4	2	02	9:05:00 PDT	16:05-GMT SO El Southern Sea otter Position: 111° / 871 m Dir: Stationary; Behavior: in kelp	Total 1	0 Pups at sighting • on back, resting	
P	30	4	2	03	9:47:00 PDT	16:47-GMT S Er Gray whale (northbound) Position: 153° / 257 m Dir: West; Behavior: Slow travel	Images: 0110-0123	Total 2	1 Calf at sighting
P	30	4	2	04	9:59:00 PDT	16:59-GMT S Er Gray whale (northbound) Position: 124° / 1,778 m Dir: West; Behavior: Slow travel	Total 1	0 Calves at sighting	
P	30	4	2	05	10:28:00 PDT	17:28-GMT SV Oil services Crew boat Position: 288° / 3,288 m Dir: West	1 vessel		
P	30	4	2	06	11:38:00 PDT	18:38-GMT SV Oil services Crew boat Position: 248° / 2,872 m Dir: South	1 vessel		
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May 06		Day 94 of 105							
Quality	CCvr	Bft	Vis						
P	0	4	1.7	01	9:07:00 PDT	16:07-GMT SO El Southern Sea otter Position: 120° / 639 m Dir: Stationary; Behavior: in kelp	Total 1	0 Pups at sighting • on back, resting	
P	0	4	1.7	02	9:08:00 PDT	16:08-GMT SO El Southern Sea otter Position: 114° / 1,019 m Dir: Stationary; Behavior: in kelp	Total 1	0 Pups at sighting • on back, resting	
P	0	4	1.7	03	9:09:00 PDT	16:09-GMT SO El Southern Sea otter Position: 110° / 761 m Dir: Stationary; Behavior: in kelp	Total 1	0 Pups at sighting • on back, resting	
P	0	3	1.7	04	9:39:00 PDT	16:39-GMT SV Dive-research UCSB Position: 229° / 449 m Dir: East	1 vessel		

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 0 3 1.7	05	9:52:00 PDT SV	16:52-GMT Dive-commercial Urchin Ocean Pearl Position: 124° / 2,553 m Dir: West	1 vessel
P 0 3 1.7	06	10:24:00 PDT SV	17:24-GMT Private Position: 166° / 2,872 m Dir: West	1 vessel
P 0 3 1.7	07	10:30:00 PDT SV	17:30-GMT Oil services Position: 291° / 3,288 m Dir: South	1 vessel
P 0 3 1.7	08	10:31:00 PDT SV	17:31-GMT Private Position: 147° / 2,872 m Dir: West	1 vessel
P 0 4 1.7	09	10:39:00 PDT SV	17:39-GMT Private Position: 144° / 2,872 m Dir: West	1 vessel
P 0 4 1.7	10	11:05:00 PDT SV	18:05-GMT Fish-trap-commercial Lobster Position: 103° / 2,872 m Dir: West	1 vessel
P 0 4 1.7	11	11:14:00 PDT SV	18:14-GMT Oil services Crew boat Position: 284° / 2,872 m Dir: South	1 vessel
P 0 4 1.7	12	11:24:00 PDT S	18:24-GMT Er Gray whale (northbound) Position: 133° / 761 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting

May 07 Day 95 of 105

Quality CCvr Bft Vis

P 60 3 1.7	01	9:05:00 PDT SO	16:05-GMT El Southern Sea otter Position: 121° / 715 m Dir: Stationary; Behavior: Swimming • in kelp	Total 1 — 0 Pups at sighting
P 60 3 1.7	02	9:06:00 PDT SO	16:06-GMT El Southern Sea otter Position: 103° / 715 m Dir: Stationary; Behavior: with gull(s) • on back, resting	Total 1 — 0 Pups at sighting
P 70 4 1.7	03	9:56:00 PDT SV	16:56-GMT Dive-commercial Urchin Position: 103° / 2,553 m Dir: West	1 vessel
P 70 4 1.7	04	10:26:00 PDT SV	17:26-GMT Oil services Crew boat Position: 290° / 3,288 m Dir: South	1 vessel
P 70 3 1 Off-Effort	05	10:59:00 PDT SV	17:59-GMT Oil services Crew boat Position: 286° / 3,288 m Dir: South	1 vessel
P 70 3 1 Off-Effort	06	11:54:00 PDT SV	18:54-GMT Fish-trap-commercial Lobster Provider Position: 247° / 1,019 m Dir: East	1 vessel
P 10 5 1.7 Off-Effort	07	14:50:00 PDT SV	21:50-GMT Oil services Position: 258° / 2,872 m Dir: South	1 vessel

May 08 Day 96 of 105

Quality CCvr Bft Vis

P 75 3 1.7	01	9:10:00 PDT SO	16:10-GMT El Southern Sea otter Position: 114° / 578 m Dir: ni; Behavior: on back, resting	Total 2 — 0 Pups at sighting
P 75 3 1.7	02	9:10:00 PDT S	16:10-GMT Er Gray whale (northbound) Position: 144° / 639 m Dir: West; Behavior: Slow travel	Images: 0343-0351 Total 2 — 1 Calf at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 75 3 1.7	03	9:35:00 PDT SC	16:35-GMT Tt Bottlenose dolphin Position: 244° / 551 m Dir: East; Behavior: Milling	Total 5 — 1 Calf at sighting
P 75 2 1.7	04	10:07:00 PDT SV	17:07-GMT Vessel Assist RHIB Position: 104° / 2,553 m Dir: West	1 vessel
P 75 2 1.7	05	10:58:00 PDT SC	17:58-GMT Tt Bottlenose dolphin Position: 128° / 449 m Dir: East; Behavior: Slow travel • Milling	Total 3 — 0 Calves at sighting
P 75 2 1.7	06	11:34:00 PDT SV	18:34-GMT Oil services Crew boat Position: 268° / 3,288 m Dir: South	1 vessel
P 75 2 1.7	07	11:48:00 PDT SC	18:48-GMT D sp Common dolphin species Position: 212° / 3,288 m Dir: nd; Behavior: not indicated	Total 150 — 0 Calves at sighting
P 75 2 1.7	08	12:49:00 PDT SV	19:49-GMT Dive-commercial Urchin Meant To Be Position: 103° / 2,872 m Dir: West	1 vessel
P 75 3 1.7	09	13:09:00 PDT SV	20:09-GMT Private Position: 281° / 2,872 m Dir: East	1 vessel
P 25 4 1	Off-Effort 11	14:39:00 PDT SV	21:39-GMT Fish-trap-commercial Lobster Position: 219° / 1,019 m Dir: East	1 vessel
P 25 4 1	Off-Effort 12	14:55:00 PDT SV	21:55-GMT Oil services Crew boat Position: 236° / 2,872 m Dir: South	1 vessel
P 25 4 1	Off-Effort 13	14:57:00 PDT SV	21:57-GMT Helicopter Military Position: 174° / 200 m Dir: West	1 vessel
P 30 3 1	Off-Effort 14	16:24:00 PDT SV	23:24-GMT Oil services Crew boat Position: 262° / 3,288 m Dir: South	1 vessel
May 09 Day 97 of 105				
Quality	CCvr	Bft	Vis	
P 100 1 1.7	01	9:00:00 PDT SC	16:00-GMT Tt Bottlenose dolphin Position: 140° / 418 m Dir: West	Total 1 — 0 Calves at sighting
P 100 1 1.7	02	9:02:00 PDT SO	16:02-GMT El Southern Sea otter Position: 117° / 1,019 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 2 — 0 Pups at sighting
P 100 1 1.7	03	9:03:00 PDT SO	16:03-GMT El Southern Sea otter Position: 112° / 1,369 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 100 1 1.7	04	9:04:00 PDT SO	16:04-GMT El Southern Sea otter Position: 103° / 1,369 m Dir: Stationary; Behavior: in kelp	
P 100 1 1.7	05	9:25:00 PDT S	16:25-GMT Er Gray whale (northbound) Position: 124° / 639 m Dir: West; Behavior: Slow travel	Images: none Total 2 — 1 Calf at sighting
P 100 1 1.7	06	9:46:00 PDT SV	16:46-GMT Oil services Crew boat Position: 287° / 3,288 m Dir: South	1 vessel
P 100 1 1	Off-Effort 07	10:31:00 PDT SC	17:31-GMT Tt Bottlenose dolphin Position: 235° / 378 m Dir: East; Behavior: Moderate travel	Total 15 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 100	1 1	Off-Effort 08 10:57:00 PDT	17:57-GMT SV Oil services Crew boat Position: 287° / 3,288 m Dir: South	1 vessel
P 100	1 1.7	09 10:58:00 PDT	17:58-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 116° / 2,553 m Dir: West	1 vessel
P 60	1 1.7	10 12:22:00 PDT	19:22-GMT SV Dive-commercial Urchin Position: 110° / 2,094 m Dir: West	1 vessel
P 60	1 1.7	11 12:35:00 PDT	19:35-GMT SV Sportfish-private Position: 109° / 2,553 m Dir: West	1 vessel
P 60	1 1.7	12 12:35:00 PDT	19:35-GMT SV Sportfish-private Position: 246° / 1,228 m Dir: East	1 vessel
P 100	2 1	Off-Effort 13 15:40:00 PDT	22:40-GMT Er Gray whale (northbound) Position: 174° / 449 m Dir: West; Behavior: Slow travel	
P 60	1 1	Off-Effort 14 15:42:00 PDT	22:42-GMT Private RHIB Position: 171° / 1,019 m Dir: West	

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Quality	CCvr	Blt	Vis			
P 100	1	<1		Off-Effort 01 9:05:00 PDT	16:05-GMT SO El Southern Sea otter Position: 117° / 1,369 m Dir: Stationary; Behavior: Grooming • in kelp	Total 1 — 0 Pups at sighting
P 100	1	<1		Off-Effort 02 9:06:00 PDT	16:06-GMT SO El Southern Sea otter Position: 115° / 715 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 100	1	<1		Off-Effort 03 9:09:00 PDT	16:09-GMT SO El Southern Sea otter Position: 129° / 639 m Dir: Stationary; Behavior: in kelp • on back, feeding	Total 1 — 0 Pups at sighting
P 100	1	<1		Off-Effort 04 9:45:00 PDT	16:45-GMT SV Sportfish-private Position: 128° / 1,369 m Dir: West	1 vessel
P 100	1	<1		Off-Effort 05 10:18:00 PDT	17:18-GMT SV Sportfish-private Position: 121° / 2,553 m Dir: Stationary	1 vessel
P 100	1	<1		Off-Effort 06 10:39:00 PDT	17:39-GMT S Er Gray whale (northbound) Position: 153° / 1,228 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 100	1	<1		Off-Effort 07 10:50:00 PDT	17:50-GMT SV Sailboat (motor) Position: 155° / 1,294 m Dir: West	1 vessel
P 100	1	1		Off-Effort 08 11:12:00 PDT	18:12-GMT SO El Southern Sea otter Position: 163° / 871 m Dir: Stationary; Behavior: with gull(s) • in open water	Total 1 — 0 Pups at sighting
P 100	1	1		Off-Effort 09 11:16:00 PDT	18:16-GMT SV Dive-commercial Got-a-fish Position: 111° / 2,872 m Dir: West	1 vessel
P 100	1	1		Off-Effort 10 11:27:00 PDT	18:27-GMT SV Fish-trap-commercial Lobster March Gale Position: 121° / 3,288 m Dir: West	1 vessel
P 100	1	1		Off-Effort 11 12:13:00 PDT	19:13-GMT SC Tt Bottlenose dolphin Position: 120° / 1,228 m Dir: East; Behavior: Milling	Total 5 — 1 Calf at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 100 1 1	Off-Effort 12	12:43:00 PDT	19:43-GMT SV Sailboat (motor) Position: 136° / 2,553 m Dir: West	1 vessel
P 100 2 1	Off-Effort 13	13:50:00 PDT	20:50-GMT SV Oil services Crew boat Position: 254° / 2,872 m Dir: South	1 vessel
P 100 3 1.7	14	15:20:00 PDT	22:20-GMT SV Private RHIB Position: 224° / 466 m Dir: East	1 vessel
P 100 3 1.7	15	16:24:00 PDT	23:24-GMT SV Sportfish-private Trophy Position: 214° / 551 m Dir: East	1 vessel
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May 11 Day 99 of 105				
Quality	CCvr	Bft	Vis	
P 100 0 1	Off-Effort 01	9:01:00 PDT	16:01-GMT SC Tt Bottlenose dolphin Position: 258° / 551 m Dir: West; Behavior: Milling	Total 5 — 1 Calf at sighting
P 100 0 1	Off-Effort 02	9:06:00 PDT	16:06-GMT SO El Southern Sea otter Position: 116° / 1,546 m Dir: Stationary; Behavior: Grooming • in kelp • on back, resting	
P 100 0 1	Off-Effort 03	9:10:00 PDT	16:10-GMT SO El Southern Sea otter Position: 105° / 2,872 m Dir: Stationary; Behavior: with gull(s) • on back, feeding	Total 1 — 0 Pups at sighting
P 100 0 1	Off-Effort 04	9:19:00 PDT	16:19-GMT SV Oil services Crew boat Position: 238° / 2,872 m Dir: Stationary	1 vessel
F 100 0 1.7	05	10:32:00 PDT	17:32-GMT SV Fish-trap-commercial Lobster Kaylee J Position: 136° / 2,872 m Dir: West	1 vessel
F 100 0 1.7	06	10:38:00 PDT	17:38-GMT SV Dive-research UCSB Position: 244° / 715 m Dir: East	1 vessel
P 100 2 1.7	07	12:41:00 PDT	19:41-GMT SC Tt Bottlenose dolphin Position: 117° / 871 m Dir: West; Behavior: Slow travel	Total 5 — 0 Calves at sighting
P 100 2 1.7	08	13:11:00 PDT	20:11-GMT SV Fish-trap-commercial Lobster Ocean Pearl Position: 225° / 1,369 m Dir: East	1 vessel
P 100 2 1	Off-Effort 09	14:14:00 PDT	21:14-GMT SV Helicopter Position: 174° / 600 m Dir: East	1 vessel
P 100 3 1	Off-Effort 10	14:27:00 PDT	21:27-GMT SV Helicopter Position: 174° / 300 m Dir: West	1 vessel
P 100 3 1.7	11	14:59:00 PDT	21:59-GMT SV Oil services Crew boat Position: 276° / 3,288 m Dir: South	1 vessel
P 100 3 1.7	12	15:17:00 PDT	22:17-GMT SC Tt Bottlenose dolphin Position: 168° / 336 m Dir: East; Behavior: Milling	Total 2 — 0 Calves at sighting
P 75 3 2	13	15:46:00 PDT	22:46-GMT S Er Gray whale (northbound) Position: 110° / 2,553 m Dir: West; Behavior: Slow travel	Total 1 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

				Number	Time Code	Species / Vessel Type		
May 12 Day 100 of 105								
Quality	CCw	Bft	Vis					
F	40	1	2	01	9:08:00 PDT SO	16:08-GMT El Southern Sea otter Position: 118° / 1,019 m Dir: Stationary; Behavior: Grooming • on back, resting	Total 1 — 0 Pups at sighting	
F	40	1	2	02	9:56:00 PDT SO	16:56-GMT El Southern Sea otter Position: 108° / 1,778 m Dir: Stationary; Behavior: on back, resting • in kelp	Total 1 — 0 Pups at sighting	
F	40	1	2	03	10:16:00 PDT SV	17:16-GMT Dive-commercial Urchin Position: 137° / 2,872 m Dir: West	1 vessel	
F	40	1	2	04	10:20:00 PDT SV	17:20-GMT Oil services Crew boat Position: 233° / 2,872 m Dir: Stationary	1 vessel	
F	40	1	2	05	10:28:00 PDT SV	17:28-GMT Helicopter SBOP (Silver + Blue with Orange on Position: 184° / 200 m Dir: West	1 vessel	
F	40	0	2	06	10:50:00 PDT S	17:50-GMT Er Gray whale (northbound) Position: 130° / 715 m Dir: West; Behavior: Slow travel	Images: 0479-0493 Total 2 — 1 Calf at sighting	
F	40	0	2	07	11:25:00 PDT SC	18:25-GMT Tt Bottlenose dolphin Position: 254° / 449 m Dir: East; Behavior: Moderate travel	Total 3 — 0 Calves at sighting	
F	40	0	2	08	11:50:00 PDT SV	18:50-GMT Private Position: 105° / 1,778 m Dir: West	1 vessel	
F	40	0	2	09	12:13:00 PDT SV	19:13-GMT Oil services Crew boat Position: 237° / 2,872 m Dir: South	1 vessel	
F	40	0	2	10	12:14:00 PDT SV	19:14-GMT Oil services Crew boat Position: 270° / 3,288 m Dir: North	1 vessel	
F	40	0	2	11	12:44:00 PDT SV	19:44-GMT Fish-trap-commercial Lobster Kaylee J Position: 106° / 2,553 m Dir: West	1 vessel	
F	40	0	2	12	13:06:00 PDT SO	20:06-GMT El Southern Sea otter Position: 135° / 378 m Dir: West; Behavior: Swimming • in open water • on back, feeding	Total 1 — 0 Pups at sighting	
F	40	0	2	13	13:14:00 PDT SV	20:14-GMT Sportfish-private Position: 221° / 939 m Dir: East	1 vessel	
F	40	0	2	14	13:16:00 PDT SV	20:16-GMT Fish-trap-commercial Lobster Position: 109° / 2,094 m Dir: Stationary	1 vessel	
F	40	0	2	15	13:20:00 PDT SV	20:20-GMT Helicopter Position: 174° / 400 m Dir: West	1 vessel	
F	40	3	2	16	14:12:00 PDT SO	21:12-GMT El Southern Sea otter Position: 115° / 1,019 m Dir: Stationary; Behavior: Grooming • in kelp	Total 1 — 0 Pups at sighting	
F	40	3	2	17	14:48:00 PDT SC	21:48-GMT Tt Bottlenose dolphin Position: 125° / 639 m Dir: West; Behavior: Moderate travel	Total 6 — 1 Calf at sighting	
F	40	3	2	18	14:50:00 PDT SV	21:50-GMT Dive-research UCSB Position: 244° / 871 m Dir: East	1 vessel	

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 40 3 2	19	14:50:00 PDT	21:50-GMT SV Oil services Crew boat Position: 249° / 3,288 m Dir: South	1 vessel
F 40 3 2	20	14:53:00 PDT	21:53-GMT SC Tt Bottlenose dolphin Position: 146° / 404 m Dir: West; Behavior: Moderate travel	Total 3 — 0 Calves at sighting
F 40 3 2	21	15:14:00 PDT	22:14-GMT SC Tt Bottlenose dolphin Position: 117° / 812 m Dir: West; Behavior: Milling	Total 10 — 2 Calves at sighting
F 40 3 2	22	16:22:00 PDT	23:22-GMT SC Tt Bottlenose dolphin Position: 232° / 327 m Dir: East; Behavior: Moderate travel	Total 15 — 2 Calves at sighting

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Quality CCvr Bft Vis

F 0 3 1.7	01	9:18:00 PDT	16:18-GMT SV Dive-research UCSB Position: 233° / 527 m Dir: East	1 vessel
F 0 3 1.7	02	9:45:00 PDT	16:45-GMT SV Oil services Crew boat Position: 253° / 2,872 m Dir: South	1 vessel
F 0 4 1.7	03	10:07:00 PDT	17:07-GMT SV Vessel Assist Position: 157° / 2,872 m Dir: West	1 vessel
P 0 4 1	Off-Effort 04	10:29:00 PDT	17:29-GMT SV Oil services Crew boat Position: 291° / 3,288 m Dir: South	1 vessel
P 0 3 1.7	05	11:12:00 PDT	18:12-GMT SV Dive-commercial Urchin Ocean Pearl Position: 135° / 2,872 m Dir: West	1 vessel
P 0 3 1.7	06	11:29:00 PDT	18:29-GMT SV Oil services Crew boat Position: 291° / 3,288 m Dir: South	1 vessel
P 0 3 1.7	07	12:06:00 PDT	19:06-GMT SC Tt Bottlenose dolphin Position: 234° / 327 m Dir: East; Behavior: Moderate travel	Total 15 — 1 Calf at sighting
P 0 3 1.7	08	13:20:00 PDT	20:20-GMT SO El Southern Sea otter Position: 103° / 1,369 m Dir: West; Behavior: in kelp • on back, resting	Total 2 — 0 Pups at sighting
P 0 3 1.7	09	13:26:00 PDT	20:26-GMT SC Tt Bottlenose dolphin Position: 168° / 288 m Dir: West; Behavior: Moderate travel	Total 2 — 0 Calves at sighting
P 0 3 1.7	10	13:28:00 PDT	20:28-GMT SV Oil services Crew boat Position: 247° / 2,872 m Dir: South	1 vessel
P 0 3 1.7	11	13:29:00 PDT	20:29-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel
F 0 4 1.7	12	14:15:00 PDT	21:15-GMT SV Helicopter Coast Guard Position: 174° / 75 m Dir: East	1 vessel
F 0 4 1.7	13	14:49:00 PDT	21:49-GMT SC Tt Bottlenose dolphin Position: 201° / 232 m Dir: West; Behavior: Milling	Total 4 — 0 Calves at sighting
P 0 3 1.7	14	15:40:00 PDT	22:40-GMT SC Tt Bottlenose dolphin Position: 221° / 715 m Dir: East; Behavior: Moderate travel	Total 6 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 0 3 1.7	15	16:10:00 PDT	23:10-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 150 m Dir: West	1 vessel
P 0 3 1.7	16	16:41:00 PDT	23:41-GMT SV Sailboat (motor) Position: 261° / 2,553 m Dir: East	1 vessel
May 14 Day 102 of 105				
F 10 3 1.7	01	9:01:00 PDT	16:01-GMT SV Dive-research UCSB Position: 263° / 1,019 m Dir: Stationary	1 vessel
F 10 3 1.7	02	9:27:00 PDT	16:27-GMT SV Oil services Crew boat Position: 270° / 2,872 m Dir: North	1 vessel
F 10 3 1.7	03	10:05:00 PDT	17:05-GMT SC Tt Bottlenose dolphin Position: 180° / 220 m Dir: North; Behavior: Moderate travel	Total 1 — 0 Calves at sighting
F 10 3 1.7	04	10:40:00 PDT	17:40-GMT SV Oil services Crew boat Position: 271° / 2,872 m Dir: South	1 vessel
F 10 4 2	05	11:46:00 PDT	18:46-GMT SV Oil services Crew boat Position: 277° / 3,288 m Dir: South	1 vessel
F 10 4 2	06	11:54:00 PDT	18:54-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 400 m Dir: East	1 vessel
F 10 4 2	07	12:42:00 PDT	19:42-GMT SO El Southern Sea otter Position: 138° / 378 m Dir: Stationary; Behavior: with gull(s) • on back, resting	Total 1 — 0 Pups at sighting
F 10 4 2	08	13:03:00 PDT	20:03-GMT SV Fish-trap-commercial Lobster Position: 234° / 761 m Dir: East	1 vessel
F 10 4 2	09	14:10:00 PDT	21:10-GMT SC Tt Bottlenose dolphin Position: 149° / 485 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 10 4 1.7	10	14:50:00 PDT	21:50-GMT SV Oil services Crew boat Position: 254° / 3,288 m Dir: South	1 vessel
F 10 4 1.7	11	15:37:00 PDT	22:37-GMT SC Tt Bottlenose dolphin Position: 130° / 761 m Dir: South; Behavior: Slow travel	Total 4 — 0 Calves at sighting
P 10 4 1	Off-Effort 12	16:08:00 PDT	23:08-GMT SV Helicopter SBOP (Silver + Blue with Orange on Position: 174° / 300 m Dir: West	1 vessel

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Quality	CCvr	Bft	Vis	Number	Time Code	Species / Vessel Type	
P	100	1	2	01	9:15:00 PDT	16:15-GMT SV Dive-research UCSB Position: 261° / 1,113 m Dir: Stationary	1 vessel
P	100	1	2	02	9:39:00 PDT	16:39-GMT SC Tt Bottlenose dolphin Position: 154° / 288 m Dir: West; Behavior: Slow travel	Total 6 — 0 Calves at sighting
P	100	2	2	03	9:49:00 PDT	16:49-GMT SC Tt Bottlenose dolphin Position: 121° / 715 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 100 2 2	04	9:54:00 PDT SV	16:54-GMT Dive-commercial Urchin Meant To Be Position: 111° / 2,872 m Dir: West	1 vessel
P 100 2 2	05	10:05:00 PDT SV	17:05-GMT Oil services Crew boat Position: 152° / 2,872 m Dir: West	1 vessel
P 100 3 2	06	10:12:00 PDT SC	17:12-GMT Tt Bottlenose dolphin Position: 116° / 1,228 m Dir: West; Behavior: Milling	Total 7 — 0 Calves at sighting
P 100 3 2	08	10:38:00 PDT SV	17:38-GMT Oil services Crew boat Position: 281° / 3,288 m Dir: South	1 vessel
P 100 3 2	09	11:08:00 PDT SC	18:08-GMT Mn Humpback whale Position: 198° / 3,288 m Dir: Stationary; Behavior: Milling • Fluke	Total 4 — 0 Calves at sighting
P 100 3 2	10	11:23:00 PDT SO	18:23-GMT El Southern Sea otter Position: 129° / 232 m Dir: West; Behavior: on back, feeding	
P 100 3 2	11	11:34:00 PDT SC	18:34-GMT Tt Bottlenose dolphin Position: 218° / 378 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
P 100 3 2	12	10:25:00 PDT SV	17:25-GMT Fish-trap-commercial Lobster Position: 104° / 2,094 m Dir: Stationary	1 vessel
P 100 3 2	12	11:35:00 PDT SV	18:35-GMT Oil services Crew boat Position: 290° / 3,288 m Dir: South	1 vessel
P 65 2 1	Off-Effort 13	14:50:00 PDT SV	21:50-GMT Oil services Crew boat Position: 239° / 2,872 m Dir: South	1 vessel
P 80 1 1	Off-Effort 14	14:55:00 PDT SV	21:55-GMT Sailboat (motor) Position: 144° / 1,369 m Dir: West	1 vessel
P 75 1 1	Off-Effort 15	15:55:00 PDT SC	22:55-GMT Tt Bottlenose dolphin Position: 208° / 288 m Dir: West; Behavior: Slow travel	Total 3 — 0 Calves at sighting
P 75 1 1	Off-Effort 16	15:58:00 PDT SC	22:58-GMT Tt Bottlenose dolphin Position: 166° / 275 m Dir: Stationary; Behavior: Milling	Total 5 — 0 Calves at sighting
P 75 1 1	Off-Effort 17	16:04:00 PDT SV	23:04-GMT Fish-trap-commercial Lobster Position: 260° / 2,553 m Dir: East	1 vessel
P 75 1 1	Off-Effort 18	16:24:00 PDT SC	23:24-GMT Tt Bottlenose dolphin Position: 112° / 1,369 m Dir: Stationary; Behavior: Milling	Total 2 — 0 Calves at sighting
May 16 Day 104 of 105				
Quality	CCvr	BR	Vis	
P 100 1 1	Off-Effort 01	9:00:00 PDT SV	16:00-GMT Fish-trap-commercial Lobster Position: 184° / 418 m Dir: West	1 vessel
P 100 1 1	Off-Effort 02	9:00:00 PDT SV	16:00-GMT Sportfish-private Position: 107° / 1,228 m Dir: Stationary	1 vessel
P 100 1 1	Off-Effort 03	9:13:00 PDT SV	16:13-GMT Dive-research UCSB Position: 109° / 2,094 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
P 100	1 1	Off-Effort 04 9:15:00 PDT SV	16:15-GMT Sportfish-private The Reel Special Position: 157° / 1,778 m Dir: West	1 vessel
P 100	1 1	Off-Effort 05 9:17:00 PDT SV	16:17-GMT Sportfish-private Position: 134° / 761 m Dir: West	1 vessel
P 100	1 1	Off-Effort 06 9:25:00 PDT SC	16:25-GMT Tt Bottlenose dolphin Position: 203° / 288 m Dir: East; Behavior: Slow travel	Total 1 — 0 Calves at sighting
P 100	2 1	Off-Effort 07 11:43:00 PDT SC	18:43-GMT Tt Bottlenose dolphin Position: 127° / 607 m Dir: West; Behavior: Slow travel	Total 4 — 0 Calves at sighting
P 100	2 1	Off-Effort 08 11:54:00 PDT SV	18:54-GMT Sailboat (motor) Position: 117° / 2,094 m Dir: West	1 vessel
P 100	2 1	Off-Effort 09 13:05:00 PDT SO	20:05-GMT El Southern Sea otter Position: 116° / 715 m Dir: Stationary; Behavior: in kelp • on back, feeding	Total 1 — 0 Pups at sighting
P 100	2 1.7	10 13:52:00 PDT SV	20:52-GMT Sailboat (motor) Position: 106° / 2,872 m Dir: West	1 vessel
P 100	2 1.7	11 14:18:00 PDT SV	21:18-GMT Sportfish-private RHIB Squirt Position: 115° / 1,778 m Dir: West	1 vessel
P 100	2 1	Off-Effort 12 14:24:00 PDT SV	21:24-GMT Sailboat (motor) Position: 164° / 2,094 m Dir: West	1 vessel
P 100	2 1	Off-Effort 13 14:34:00 PDT SV	21:34-GMT Sportfish-private Position: 244° / 1,113 m Dir: East	1 vessel
P 100	2 1	Off-Effort 14 14:51:00 PDT SC	21:51-GMT Tt Bottlenose dolphin Position: 135° / 715 m Dir: Stationary; Behavior: Milling	Total 7 — 0 Calves at sighting
P 100	2 <1	Off-Effort 15 14:53:00 PDT SV	21:53-GMT Private Position: 139° / 600 m Dir: North	1 vessel
P 100	2 <1	Off-Effort 16 14:53:00 PDT SV	21:53-GMT Private Position: 127° / 600 m Dir: North	1 vessel
P 100	2 1	Off-Effort 17 16:01:00 PDT SV	23:01-GMT Dive-commercial Urchin Ocean Pearl Position: 148° / 1,294 m Dir: West	1 vessel
P 100	2 1	Off-Effort 18 16:04:00 PDT SV	23:04-GMT Fish-trap-commercial Lobster Kaylee J Position: 110° / 1,228 m Dir: Stationary	1 vessel
May 17 Day 105 of 105				
	Quality	CCvr	Bft	Vis
P 100	1 1	Off-Effort 01 9:11:00 PDT SO	16:11-GMT El Southern Sea otter Position: 115° / 1,546 m Dir: Stationary; Behavior: in kelp • on back, resting	Total 1 — 0 Pups at sighting
P 100	2 1.7	02 9:44:00 PDT SV	16:44-GMT Sportfish-private Duckworth Position: 101° / 2,553 m Dir: West	1 vessel
P 100	2 1.7	03 10:02:00 PDT SV	17:02-GMT Dive-commercial Got-a-fish Position: 103° / 2,872 m Dir: West	1 vessel

2009 All Sighting Numbers, Raw

	Number	Time Code	Species / Vessel Type	
F 100	1	1.7	04 11:07:00 PDT 18:07-GMT SV Sailboat (motor) Position: 122° / 2,553 m Dir: West	1 vessel
F 100	2	1.7	05 11:26:00 PDT 18:26-GMT SV Dive-commercial Position: 120° / 2,553 m Dir: East	1 vessel
F 100	1	1.7	06 11:35:00 PDT 18:35-GMT SV Sportfish-private Position: 103° / 2,872 m Dir: Stationary	1 vessel
F 100	2	1.7	07 11:36:00 PDT 18:36-GMT SV Private Position: 116° / 2,872 m Dir: West	1 vessel
F 100	2	1.7	08 11:54:00 PDT 18:54-GMT SV Sportfish-private Position: 224° / 715 m Dir: East	1 vessel
F 100	2	1.7	09 12:47:00 PDT 19:47-GMT SC Tt Bottlenose dolphin Position: 118° / 1,019 m Dir: Stationary; Behavior: Milling	Total 5 — 0 Calves at sighting
F 100	2	1.7	10 13:29:00 PDT 20:29-GMT SC Tt Bottlenose dolphin Position: 160° / 302 m Dir: West; Behavior: Slow travel	Total 2 — 0 Calves at sighting
F 100	2	1.7	11 13:54:00 PDT 20:54-GMT SC Tt Bottlenose dolphin Position: 169° / 336 m Dir: East; Behavior: Slow travel	Total 9 — 0 Calves at sighting
F 85	2	1.7	12 13:59:00 PDT 20:59-GMT SV Oil services Crew boat Position: 284° / 3,288 m Dir: South	1 vessel
F 85	2	1.7	13 14:10:00 PDT 21:10-GMT SV Sportfish-private Position: 234° / 449 m Dir: East	1 vessel
F 85	1	1.7	14 14:27:00 PDT 21:27-GMT SV Sportfish-private Position: 140° / 715 m Dir: East	1 vessel
F 85	1	1.7	15 14:52:00 PDT 21:52-GMT SV Private Position: 99° / 1,778 m Dir: West	1 vessel
P 100	2	1	Off-Effort 16 15:41:00 PDT 22:41-GMT SV Sportfish-private Position: 254° / 1,369 m Dir: East	1 vessel
P 100	2	1	Off-Effort 17 15:44:00 PDT 22:44-GMT SC Tt Bottlenose dolphin Position: 243° / 485 m Dir: East; Behavior: Slow travel	Total 13 — 0 Calves at sighting
P 100	2	1	Off-Effort 18 16:00:00 PDT 23:00-GMT SC Tt Bottlenose dolphin Position: 215° / 327 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 100	2	1	Off-Effort 19 16:05:00 PDT 23:05-GMT SC Tt Bottlenose dolphin Position: 203° / 675 m Dir: East; Behavior: Slow travel	Total 2 — 0 Calves at sighting
P 100	3	1	Off-Effort 20 16:19:00 PDT 23:19-GMT SV Sportfish-private Position: 204° / 551 m Dir: East	1 vessel
P 100	3	1	Off-Effort 21 16:52:00 PDT 23:52-GMT SC Tt Bottlenose dolphin Position: 199° / 336 m Dir: East; Behavior: Slow travel • Breach	Total 5 — 0 Calves at sighting