



## 2019 All Sighting Numbers, On-Effort

All eyes are scanning, assisted by our binoculars and using a spotting scope for details. A Supervisor (Research Assistant or the Project Coordinator) enters sighting data, weather and sea conditions, and shift information on the Master Datasheet, while Counters call out observed positions and species of sightings.



Sighting data are entered for all cetaceans (with a distinction between southbound gray whales and northbound gray whales). We also sight sea otters, harbor seals, and rarer pinnipeds, including northern fur seals and northern elephant seals. Sea lions are ubiquitous. We don't enter sea lions unless one comes onshore in need of a rescue, at which time, we call in to CIMWI.

Because gray whales (southbound and northbound) are migrating past our position, we are able to tally unique individuals. Sightings of all other animals document the numbers of animals present at that sighting only. We may observe the same animal at different times during a day and again on subsequent days. At each animal sighting we enter the time and a position-reading with our binoculars: compass (bearing) and reticle scale (distance). We note the direction of travel and track the subsequent surfacings in the same manner. Later, in our database, the magnetic bearing is converted to true and the reticles become only slightly more familiar meters.

We identify species, determine the number of animals in the group and number of calves. (Actually, otters and pinnipeds have "pups," but they are labeled calves on our datasheets.) At each position we also record behaviors.

A key part of our observation process is tracking: recording the surfacing of animals as they approach and move past Counter Point. At each surfacing we learn more about the whales that enables us to establish identity, direction of travel, behaviors, group size, and the presence of a calf. As we track animals, we can enter comments at each position to amplify data codes.

part of 2019 Gray Whales Count, Survey Report © Gray Whales Count, 2019, Santa Barbara, California, USA  
prepared by Michael H Smith, Project Coordinator

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

2019 All Sighting Numbers, Raw

Feb 13 Day 1 of 99										
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	09:00 -PST	17:00-GMT		
Not Acceptable						T	Effort Hours 0:00			
Feb 14 Day 2 of 99										
Not Acceptable						T	Effort Hours 0:00			
Feb 15 Day 3 of 99										
Not Acceptable	Poor	80%	3		NV / <1	T	Effort Hours 0:00			
Feb 16 Day 4 of 99										
Poor	Poor	0%	4	4	Fuzzy / 2	01	10:00 -PST	18:00-GMT		
						S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting	
Poor	Poor	0%	4	4	Fuzzy / 2	02	10:37 -PST	18:37-GMT		
						S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting	
Poor	Poor	0%	5	5	Fuzzy / 2	End Day	10:47 -PST	18:47-GMT	Effort Hours 1:47	
Feb 17 Day 5 of 99										
Not Acceptable						T	Effort Hours 0:00			
Feb 18 Day 6 of 99										
Fair	Good	0%	2	2-1	Sharp / 3	01	10:17 -PST	18:17-GMT		
						S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting	
Poor	Good	0%	4	4	Sharp / 3	02	11:52 -PST	19:52-GMT		
						SW	gray whale (Er) (southbound)		Total whales 2 — 0 calves at sighting	
Poor	Good	0%	4	4	Sharp / 3	03	12:22 -PST	20:22-GMT		
						S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting	
Poor	Good	0%	4	4	Sharp / 3	04	13:31 -PST	21:31-GMT		
						SD	bottlenose dolphin (Tt)		Total dolphins 7 — 0 calves at sighting	
Poor	Good	0%	4	4	Sharp / 3	05	14:58 -PST	22:58-GMT		
						S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting	
Poor	Good	0%	4	4	Sharp / 3	06	16:37 -PST	0:37; 2/19/2019-GMT		
						SW	unidentified large whale		Total whales 1 — 0 calves at sighting	
Poor	Good	0%	4	4	Sharp / 3	End Day	17:00 -PST	1:00; 2/19/2019-GMT	Effort Hours 8:00	
Feb 19 Day 7 of 99										
						T	Effort Hours 0:00			
Feb 20 Day 8 of 99										
Fair	Fair	80%	4	3-4	Fuzzy / 2	01	09:25 -PST	17:25-GMT		
						S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting	
Fair	Fair	100%	4	3-4	Fuzzy / 2	02	09:28 -PST	17:28-GMT		
						SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting	
Fair	Fair	100%	4	3-4	Fuzzy / 2	03	09:48 -PST	17:48-GMT		
						SD	bottlenose dolphin (Tt)		Total dolphins 3 — 0 calves at sighting	
Fair	Fair	100%	5	3-4	Fuzzy / 2	End Day	10:35 -PST	18:35-GMT	Effort Hours 1:35	
Feb 21 Day 9 of 99										

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis			
Fair	Poor	80%	4	3-4	Fuzzy / 2	01	09:31 -PST SD	17:31-GMT bottlenose dolphin (Tt) Total dolphins 2 — 0 calves at sighting
Poor	Poor	80%	4	4	Fuzzy / 2	02	09:45 -PST SD	17:45-GMT bottlenose dolphin (Tt) Total dolphins 4 — 0 calves at sighting
Poor	Poor	80%	4	4	Fuzzy / 2	03	10:06 -PST SD	18:06-GMT bottlenose dolphin (Tt) Total dolphins 5 — 0 calves at sighting
Poor	Poor	80%	4	4	Fuzzy / 2	04	10:08 -PST S	18:08-GMT <a href="#">Images: 6562 - 70</a> gray whale (Er) (northbound) Total whales 2 — 0 calves at sighting
Poor	Poor	80%	4	4	Fuzzy / 2	05	10:11 -PST SD	18:11-GMT bottlenose dolphin (Tt) Total dolphins 1 — 0 calves at sighting
Poor	Poor	80%	4	4	Fuzzy / 2	06	10:28 -PST SP	18:28-GMT harbor seal (Pv) Total seals 1 — 0 pups at sighting
Poor	Poor	80%	5	4	Fuzzy / 2	End Day	11:30 -PST T	19:30-GMT Effort Hours 2:30

Feb 22 Day 10 of 99

Good	Fair	0%	0	0-1	Fuzzy / 3	01	09:07 -PST SP	17:07-GMT harbor seal (Pv) Total seals 1 — 0 pups at sighting
Good	Fair	0%	1	0-1	Fuzzy / 3	02	09:32 -PST SD	17:32-GMT common dolphin, species not determined ≈Total dolphins 40 — calves not determined
Good	Good	0%	1	0-1	Sharp / 3	03	10:35 -PST S	18:35-GMT gray whale (Er) (northbound) Total whales 1 — 0 calves at sighting
Good	Good	0%	1	0-1	Sharp / 3	04	10:43 -PST S	18:43-GMT gray whale (Er) (northbound) Total whales 2 — 0 calves at sighting
Good	Good	0%	1	0-1	Sharp / 3	05	10:55 -PST S	18:55-GMT gray whale (Er) (northbound) Total whales 1 — 0 calves at sighting
Good	Good	0%	1	0-1	Sharp / 3	06	11:05 -PST S	19:05-GMT gray whale (Er) (northbound) Total whales 1 — 0 calves at sighting
Good	Good	0%	2	1-2-3	Sharp / 3	07	11:42 -PST S	19:42-GMT <a href="#">Images: 6577-95</a> gray whale (Er) (northbound) Total whales 2 — 0 calves at sighting
Good	Good	0%	2	1-2-3	Sharp / 3	08	11:43 -PST S	19:43-GMT gray whale (Er) (northbound) Total whales 1 — 0 calves at sighting
Good	Good	0%	3	1-2-3	Sharp / 3	09	12:08 -PST S	20:08-GMT gray whale (Er) (northbound) Total whales 2 — 0 calves at sighting
Good	Good	0%	3	1-2-3	Sharp / 3	10	12:19 -PST S	20:19-GMT gray whale (Er) (northbound) Total whales 1 — 0 calves at sighting
Fair	Fair	0%	4	3-4	Fuzzy / 3	11	13:34 -PST S	21:34-GMT gray whale (Er) (northbound) Total whales 1 — 0 calves at sighting
Fair	Fair	0%	4	3-4	Fuzzy / 3	12	13:35 -PST S	21:35-GMT gray whale (Er) (northbound) Total whales 1 — 0 calves at sighting
Fair	Fair	0%	4	3-4	Fuzzy / 3	13	14:03 -PST S	22:03-GMT gray whale (Er) (northbound) Total whales 1 — 0 calves at sighting
Fair	Fair	0%	4	3-4	Fuzzy / 3	14	14:44 -PST SD	22:44-GMT bottlenose dolphin (Tt) Total dolphins 6 — 0 calves at sighting
Fair	Fair	20%	4	3-4	Fuzzy / 3	15	15:04 -PST S	23:04-GMT gray whale (Er) (northbound) Total whales 2 — 0 calves at sighting
Fair	Fair	20%	4	3-4	Fuzzy / 3	16	15:07 -PST SD	23:07-GMT bottlenose dolphin (Tt) Total dolphins 1 — 0 calves at sighting
Poor	Poor	20%	4	3-4	Fuzzy / 2	17	16:44 -PST SD	0:44; 2/23/2019-GMT bottlenose dolphin (Tt) Total dolphins 3 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PST	1:00; 2/23/2019-GMT
Poor	Poor	20%	4	3-4	Fuzzy / 2	Day	T	Effort Hours 8:00

Feb 23 Day 11 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:09 -PST	17:09-GMT	
Fair	Good	0%	0	0-1-2	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:14 -PST	17:14-GMT	
Fair	Good	0%	0	0-1-2	Fuzzy / 3	SD		common dolphin, species not determined	≈Total dolphins 1500 — calves not determined
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	09:23 -PST	17:23-GMT	
Fair	Good	0%	0	0-1-2	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	09:34 -PST	17:34-GMT	
Fair	Fair	0%	3	0-1-2	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	09:36 -PST	17:36-GMT	
Fair	Fair	0%	3	0-1-2	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	10:08 -PST	18:08-GMT	
Fair	Fair	0%	3	0-1-2	Fuzzy / 3	SP		harbor seal (Pv)	Total seals 2 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	10:19 -PST	18:19-GMT	
Fair	Fair	0%	3	0-1-2	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	08	10:27 -PST	18:27-GMT	
Fair	Fair	0%	4	3-4	Fuzzy / 3	SW		unidentified large whale	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	09	11:38 -PST	19:38-GMT	
Fair	Fair	0%	4	3-4	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	10	11:45 -PST	19:45-GMT	
Fair	Fair	0%	4	3-4	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	11	11:57 -PST	19:57-GMT	
Fair	Fair	0%	4	3-4	Fuzzy / 3	SD		common dolphin, species not determined	≈Total dolphins 800 — calves not determined
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	12	12:11 -PST	20:11-GMT	
Fair	Fair	0%	4	3-4	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	13	12:37 -PST	20:37-GMT	
Fair	Fair	0%	3	3-4	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	14	14:36 -PST	22:36-GMT	
Fair	Fair	40%	3	2-3	Fuzzy / 3	SD		bottlenose dolphin (Tt)	Total dolphins 2 — 1 calf at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	15	14:59 -PST	22:59-GMT	
Fair	Fair	40%	3	2-3	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	16	15:09 -PST	23:09-GMT <a href="#">Images: 6679</a>	
Fair	Fair	40%	2	2	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	17	16:57 -PST	0:57; 2/24/2019-GMT	
Fair	Fair	40%	2	2	Fuzzy / 3	SP		harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	18	16:58 -PST	0:58; 2/24/2019-GMT	
Fair	Fair	40%	2	2	Fuzzy / 3	S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:01 -PST	1:01; 2/24/2019-GMT	
Fair	Fair	40%	2	2	Fuzzy / 3	Day	T	Effort Hours 8:01	

Feb 24 Day 12 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:51 -PST	17:51-GMT	
Fair	Fair	0%	0	0-1	Fuzzy / 2	S		gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	10:51 -PST	18:51-GMT <a href="#">Images: 6684-95</a>	
Fair	Fair	0%	0	0-1	Fuzzy / 2	S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	10:53 -PST	18:53-GMT	
Fair	Fair	0%	0	0-1	Fuzzy / 2	S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Fair	0%	0	0-1	Fuzzy / 2	04	11:30 -PST SD	19:30-GMT Pacific white-sided dolphin (Lo)	≈Total dolphins 8 — nd calves at sighting
Fair	Fair	0%	0	0-1	Fuzzy / 2	05	11:32 -PST S	19:32-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	20%	0	0-1	Fuzzy / 2	06	12:09 -PST S	20:09-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	40%	1	0-1-2	Fuzzy / 2	07	14:22 -PST SP	22:22-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Fair	20%	0	0-1-2	Fuzzy / 2	08	14:41 -PST S	22:41-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	20%	0	0-1-2	Fuzzy / 2	09	15:33 -PST S	23:33-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	80%	0	0-1-2	Fuzzy / 2	10	15:58 -PST S	23:58-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	80%	0	0-1-2	Fuzzy / 2	11	16:28 -PST SD	0:28; 2/25/2019-GMT bottlenose dolphin (Tt)	Total dolphins 5 — 0 calves at sighting
Fair	Fair	80%	0	0-1-2	Fuzzy / 2	End Day	17:00 -PST T	1:00; 2/25/2019-GMT Effort Hours 7:20	

Feb 25 Day 13 of 99

Fair	Poor	0%	3	2-3	Fuzzy / 2	01	09:09 -PST S	17:09-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	4	3-4	Fuzzy / 2	02	09:14 -PST S	17:14-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	4	3-4	Fuzzy / 2	03	10:16 -PST SW	18:16-GMT unidentified large whale	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	4	3-4	Fuzzy / 2	04	10:37 -PST SW	18:37-GMT unidentified large whale	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	4	3-4	Fuzzy / 2	05	10:50 -PST S	18:50-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	4	3-4	Fuzzy / 2	06	11:10 -PST SW	19:10-GMT unidentified large whale	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	4	3-4	Fuzzy / 2	07	11:31 -PST SW	19:31-GMT unidentified large whale	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	3	2-3	Fuzzy / 2	08	11:48 -PST S	19:48-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	4	1-2-3	Fuzzy / 2	09	12:16 -PST SW	20:16-GMT gray whale (Er) (southbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	3	2-3	Fuzzy / 2	10	12:35 -PST S	20:35-GMT <a href="#">Images: 6726-9</a> gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	2	1-2	Fuzzy / 2	11	13:06 -PST S	21:06-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 2	12	14:37 -PST SW	22:37-GMT gray whale (Er) (southbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	2	1-2	Fuzzy / 2	13	15:12 -PST S	23:12-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	2	1-2	Fuzzy / 2	14	15:25 -PST S	23:25-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	2	1-2	Fuzzy / 2	15	15:26 -PST S	23:26-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	Time	Time	Code	Description	Count
Fair	Poor	0%	3	2-3	Fuzzy / 2	16	16:45 -PST	0:45; 2/26/2019-GMT	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	3	2-3	Fuzzy / 2	End Day	17:00 -PST	1:00; 2/26/2019-GMT	T	Effort Hours 8:00	
Feb 26 Day 14 of 99											
						End Day	09:00 -PST	17:00-GMT	T	Effort Hours 0:00	
Feb 27 Day 15 of 99											
Not Acceptable						End Day	09:00 -PST	17:00-GMT	T	Effort Hours 0:00	
Feb 28 Day 16 of 99											
Fair	Fair	100%	1	0-1-2	Fuzzy / 2	01	11:06 -PST	19:06-GMT	SD	bottlenose dolphin (Tt)	Total dolphins 8 — 0 calves at sighting
Fair	Fair	100%	1	0-1-2	Fuzzy / 2	02	11:15 -PST	19:15-GMT	SD	bottlenose dolphin (Tt)	Total dolphins 4 — 0 calves at sighting
Fair	Fair	100%	1	0-1-2	Fuzzy / 2	03	11:31 -PST	19:31-GMT	SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Fair	100%	1	0-1-2	Fuzzy / 2	04	12:36 -PST	20:36-GMT	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	100%	1	0-1-2	Fuzzy / 2	05	12:41 -PST	20:41-GMT	SO	southern sea otter (El)	Total otters 1 — 0 Pups at sighting
Fair	Fair	100%	0	0-1	Fuzzy / 2	06	13:32 -PST	21:32-GMT	SD	bottlenose dolphin (Tt)	Total dolphins 9 — 1 calf at sighting
Not Acceptable	Poor	100%	0	0-1	Fuzzy / <1	End Day	15:28 -PST	23:28-GMT	T	Effort Hours 4:28	
Mar 01 Day 17 of 99											
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	01	09:00 -PST	17:00-GMT	SO	southern sea otter (El)	Total otters 1 — 0 Pups at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	02	09:09 -PST	17:09-GMT	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	03	09:17 -PST	17:17-GMT	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	04	09:25 -PST	17:25-GMT	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	05	09:33 -PST	17:33-GMT	SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	06	10:31 -PST	18:31-GMT	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	100%	2	0-1-2	Fuzzy / 3	07	10:50 -PST	18:50-GMT	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	100%	1	0-1-2	Fuzzy / 3	08	11:40 -PST	19:40-GMT	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	100%	1	0-1-2	Fuzzy / 3	09	13:04 -PST	21:04-GMT	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	10	13:47 -PST	21:47-GMT	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	11	13:57 -PST	21:57-GMT	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	12	14:38 -PST S	22:38-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	13	15:10 -PST S	23:10-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	End Day	15:23 -PST T	23:23-GMT Effort Hours 6:23	
<b>Mar 02 Day 18 of 99</b>									
Quality Not Acceptable	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	09:00 -PST T	17:00-GMT Effort Hours 0:00	
<b>Mar 03 Day 19 of 99</b>									
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 2	01	09:43 -PST SO	17:43-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	02	10:36 -PST S	18:36-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	03	10:42 -PST S	18:42-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	04	11:19 -PST SD	19:19-GMT bottlenose dolphin (Tt)	Total dolphins 5 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	05	11:21 -PST S	19:21-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	06	11:50 -PST SD	19:50-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 1 calf at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	07	12:22 -PST SW	20:22-GMT unidentified large whale	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	08	12:26 -PST SW	20:26-GMT unidentified large whale	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	09	12:42 -PST S	20:42-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	10	13:22 -PST S	21:22-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	11	13:28 -PST S	21:28-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	12	13:37 -PST SD	21:37-GMT bottlenose dolphin (Tt)	Total dolphins 4 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	13	13:46 -PST S	21:46-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	14	15:55 -PST S	23:55-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 5	Bft Mix 5	Horiz - Vis Fuzzy / 3	End Day	16:15 -PST T	0:15; 3/4/2019-GMT Effort Hours 7:15	
<b>Mar 04 Day 20 of 99</b>									
Quality Fair	Contrast Fair	CCvr 40%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	01	09:05 -PST S	17:05-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	02	09:27 -PST SO	17:27-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	03	10:05 -PST S	18:05-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	04	10:42 -PST S	18:42-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	05	10:49 -PST S	18:49-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	06	11:30 -PST S	19:30-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Good	Contrast Good	CCvr 40%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	07	13:11 -PST S	21:11-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 100%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 2	08	16:26 -PST S	0:26; 3/5/2019-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 100%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 2	09	16:45 -PST S	0:45; 3/5/2019-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 100%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 2	End Day	17:00 -PST T	1:00; 3/5/2019-GMT Effort Hours 8:00	
<b>Mar 05 Day 21 of 99</b>									
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	09:00 -PST T	17:00-GMT Effort Hours 0:00	
<b>Mar 06 Day 22 of 99</b>									
Quality Not Acceptable	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	09:00 -PST T	17:00-GMT Effort Hours 0:00	
<b>Mar 07 Day 23 of 99</b>									
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	01	09:12 -PST S	17:12-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	02	09:32 -PST SO	17:32-GMT <b>Images: 6747-6793</b> southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	03	09:46 -PST S	17:46-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	04	10:03 -PST S	18:03-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	05	10:12 -PST S	18:12-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 20%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	06	10:35 -PST S	18:35-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 20%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	07	10:53 -PST S	18:53-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 20%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	08	11:06 -PST S	19:06-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 20%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	09	11:59 -PST S	19:59-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 60%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	10	12:39 -PST S	20:39-GMT <b>Images: 6808-6812</b> gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Fair	CCvr 60%	Bft 5	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	End Day	12:57 -PST T	20:57-GMT Effort Hours 3:57	
<b>Mar 08 Day 24 of 99</b>									
Quality Poor	Contrast Fair	CCvr 0%	Bft 4	Bft Mix 4	Horiz - Vis Fuzzy / 3	01	09:23 -PST S	17:23-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Not Acceptable	Contrast Fair	CCvr 0%	Bft 5	Bft Mix 4	Horiz - Vis Fuzzy / 3	End Day	09:42 -PST T	17:42-GMT Effort Hours 0:42	
<b>Mar 09 Day 25 of 99</b>									

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day



2019 All Sighting Numbers, Raw

Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01 09:04 -PST S	17:04-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	02 09:21 -PST SO	17:21-GMT <a href="#">Images: 6813-6826</a> southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03 09:33 -PST S	17:33-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	04 09:35 -PST S	17:35-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	05 09:46 -PST S	17:46-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	06 10:10 -PST S	18:10-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	07 10:42 -PST S	18:42-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	08 10:56 -PST S	18:56-GMT gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	09 11:27 -PST SP	19:27-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	10 11:54 -PST S	19:54-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	11 13:10 -PST S	21:10-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	12 13:20 -PST S	21:20-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	13 13:32 -PST S	21:32-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	14 13:35 -PST S	21:35-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	15 13:38 -PST S	21:38-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	16 14:50 -PST S	22:50-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	17 15:34 -PST S	23:34-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	18 16:00 -PST S	0:00; 3/10/2019-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	19 16:43 -PST S	0:43; 3/10/2019-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	End Day 17:00 -PST T	1:00; 3/10/2019-GMT Effort Hours 8:00	

Mar 10 Day 26 of 99

Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	01 09:01 -PDT S	16:01-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	02 09:11 -PDT S	16:11-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	03 09:12 -PDT S	16:12-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	04 09:32 -PDT S	16:32-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	05	09:39 -PDT S	16:39-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	06	09:52 -PDT S	16:52-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	07	09:56 -PDT SO	16:56-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	08	10:09 -PDT S	17:09-GMT gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	09	10:21 -PDT S	17:21-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	10	10:36 -PDT S	17:36-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	11	10:51 -PDT S	17:51-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	12	11:15 -PDT S	18:15-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	13	11:33 -PDT S	18:33-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	14	11:43 -PDT S	18:43-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	15	12:26 -PDT SP	19:26-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	16	12:52 -PDT S	19:52-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	17	13:10 -PDT S	20:10-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	18	13:11 -PDT S	20:11-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	19	13:30 -PDT S	20:30-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	20	13:46 -PDT S	20:46-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	21	14:09 -PDT S	21:09-GMT gray whale (Er) (northbound)	Total whales 5 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	22	14:12 -PDT S	21:12-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	23	14:17 -PDT S	21:17-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	24	14:23 -PDT S	21:23-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	25	14:55 -PDT S	21:55-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	26	14:57 -PDT S	21:57-GMT gray whale (Er) (northbound)	Total whales 5 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	27	15:22 -PDT S	22:22-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	28	15:29 -PDT S	22:29-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Poor	Contrast Poor	CCvr 100%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 2	29	16:10 -PDT S	23:10-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 2	30	16:33 -PDT S	23:33-GMT gray whale (Er) (northbound)	Total whales 5 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 2	31	16:37 -PDT S	23:37-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 2	32	16:45 -PDT S	23:45-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 2	33	16:59 -PDT S	23:59-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 2	End Day	17:00 -PDT T	0:00; 3/11/2019-GMT Effort Hours 8:00	

Mar 11 Day 27 of 99

Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01	09:00 -PDT S	16:00-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	02	09:02 -PDT S	16:02-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	09:12 -PDT S	16:12-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	04	09:26 -PDT S	16:26-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	05	09:45 -PDT S	16:45-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	06	09:48 -PDT S	16:48-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	07	10:03 -PDT S	17:03-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	08	10:18 -PDT S	17:18-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	09	10:27 -PDT S	17:27-GMT gray whale (Er) (northbound)	Total whales 5 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	10	10:55 -PDT SO	17:55-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	11	10:58 -PDT S	17:58-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	12	11:35 -PDT S	18:35-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	13	11:53 -PDT S	18:53-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	14	11:56 -PDT S	18:56-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	15	12:18 -PDT S	19:18-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	16	12:48 -PDT S	19:48-GMT gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	17	12:54 -PDT S	19:54-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	18	13:09 -PDT S	20:09-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Fair	40%	1	0-1-2	Fuzzy / 3	19	13:12 -PDT	20:12-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	40%	1	0-1-2	Fuzzy / 3	20	13:53 -PDT	20:53-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Fair	40%	2	0-1-2	Fuzzy / 3	21	14:09 -PDT	21:09-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	22	14:37 -PDT	21:37-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	23	15:02 -PDT	22:02-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	24	15:13 -PDT	22:13-GMT	
							S	gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	25	15:16 -PDT	22:16-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	26	15:48 -PDT	22:48-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	27	15:56 -PDT	22:56-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Not Acceptable	Fair	80%	2	0-1-2	Fuzzy / 3	End Day	15:57 -PDT	22:57-GMT	
							T	Effort Hours 6:57	

Mar 12 Day 28 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day			
						09:00 -PDT	16:00-GMT		
						T	Effort Hours 0:00		

Mar 13 Day 29 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Poor	Poor	0%	4	4	Fuzzy / 3	01	09:06 -PDT	16:06-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Poor	Poor	0%	4	4	Fuzzy / 3	02	09:15 -PDT	16:15-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Poor	Poor	0%	4	4	Fuzzy / 3	03	09:48 -PDT	16:48-GMT	
							SD	common dolphin, species not determined	≈Total dolphins 1000 — calves not determined
Fair	Fair	0%	3	3-4	Fuzzy / 3	04	10:34 -PDT	17:34-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Fair	0%	3	3-4	Fuzzy / 3	05	10:41 -PDT	17:41-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	0%	3	3-4	Fuzzy / 3	06	11:12 -PDT	18:12-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	0%	3	3-4	Fuzzy / 3	07	11:15 -PDT	18:15-GMT <a href="#">Images: 6853-6868</a>	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Poor	Poor	0%	4	3-4	Fuzzy / 3	08	12:03 -PDT	19:03-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Poor	Poor	0%	4	3-4	Fuzzy / 3	09	12:06 -PDT	19:06-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Poor	Poor	0%	4	3-4	Fuzzy / 3	10	12:11 -PDT	19:11-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Poor	Poor	0%	4	3-4	Fuzzy / 3	11	12:24 -PDT	19:24-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Poor	Poor	0%	4	3-4	Fuzzy / 3	12	12:59 -PDT	19:59-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Poor	Contrast Poor	CCvr 0%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	13	13:02 -PDT S	20:02-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 0%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	14	13:38 -PDT S	20:38-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 0%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	15	13:46 -PDT S	20:46-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	16	14:05 -PDT S	21:05-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	17	14:07 -PDT S	21:07-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	18	14:28 -PDT S	21:28-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	19	14:29 -PDT S	21:29-GMT gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	20	15:00 -PDT S	22:00-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	21	15:09 -PDT S	22:09-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	22	15:11 -PDT S	22:11-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	23	15:13 -PDT S	22:13-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	24	15:49 -PDT S	22:49-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	25	16:18 -PDT S	23:18-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	26	16:29 -PDT S	23:29-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	27	16:41 -PDT S	23:41-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 3/14/2019-GMT Effort Hours 8:00	

Mar 14 Day 30 of 99

Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01	09:04 -PDT S	16:04-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	09:09 -PDT S	16:09-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	04	09:23 -PDT S	16:23-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	05	09:29 -PDT S	16:29-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	06	09:43 -PDT S	16:43-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	07	10:12 -PDT SD	17:12-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	08	10:18 -PDT S	17:18-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	09	11:03 -PDT S	18:03-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	10	11:37 -PDT S	18:37-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	11	11:40 -PDT S	18:40-GMT gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	12	12:16 -PDT S	19:16-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	13	12:19 -PDT S	19:19-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	14	12:58 -PDT S	19:58-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	15	13:07 -PDT S	20:07-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	16	13:13 -PDT S	20:13-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	17	13:47 -PDT S	20:47-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	18	14:16 -PDT S	21:16-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	19	14:21 -PDT S	21:21-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	20	14:23 -PDT S	21:23-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	21	14:27 -PDT S	21:27-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 2	Horiz - Vis Fuzzy / 3	22	14:39 -PDT S	21:39-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	23	15:12 -PDT S	22:12-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	24	15:13 -PDT S	22:13-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	25	15:28 -PDT S	22:28-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	26	15:46 -PDT S	22:46-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	27	15:58 -PDT S	22:58-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	28	16:06 -PDT SD	23:06-GMT bottlenose dolphin (Tt)	Total dolphins 11 — 2 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	29	16:29 -PDT S	23:29-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	30	16:32 -PDT S	23:32-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	31	16:55 -PDT S	23:55-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 3/15/2019-GMT Effort Hours 8:00	

Mar 15 Day 31 of 99

Quality Fair	Contrast Fair	CCvr 60%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01	09:23 -PDT SD	16:23-GMT bottlenose dolphin (Tt)	Totals not indicated
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Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Fair	Contrast Fair	CCvr 60%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	02	09:30 -PDT S	16:30-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	09:44 -PDT S	16:44-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	04	09:47 -PDT S	16:47-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	05	10:27 -PDT SP	17:27-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	06	10:33 -PDT S	17:33-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	07	10:34 -PDT SP	17:34-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	08	10:39 -PDT S	17:39-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	09	11:00 -PDT SD	18:00-GMT bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	10	11:31 -PDT S	18:31-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	11	11:41 -PDT S	18:41-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	12	11:48 -PDT S	18:48-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	13	12:07 -PDT SW	19:07-GMT humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	14	12:12 -PDT S	19:12-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	15	12:16 -PDT S	19:16-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	16	12:19 -PDT SD	19:19-GMT Pacific white-sided dolphin (Lo)	≈Total dolphins 30 — nd calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	17	12:50 -PDT S	19:50-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	18	13:02 -PDT S	20:02-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	19	13:09 -PDT S	20:09-GMT gray whale (Er) (northbound)	Total whales 5 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	20	13:12 -PDT S	20:12-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	21	13:30 -PDT S	20:30-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	22	13:34 -PDT S	20:34-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	23	13:51 -PDT S	20:51-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	24	14:32 -PDT S	21:32-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	25	15:17 -PDT S	22:17-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	26	15:53 -PDT S	22:53-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	27	16:13 -PDT S	23:13-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	28	16:24 -PDT S	23:24-GMT gray whale (Er) (northbound)	Total whales 5 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 3/16/2019-GMT Effort Hours 8:00	

Mar 16 Day 32 of 99

Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01	08:57 -PDT S	15:57-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	02	08:59 -PDT S	15:59-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	09:02 -PDT SD	16:02-GMT bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	04	09:32 -PDT S	16:32-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	05	09:52 -PDT S	16:52-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	06	10:04 -PDT S	17:04-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	07	10:21 -PDT S	17:21-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	08	10:39 -PDT S	17:39-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	09	11:06 -PDT S	18:06-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	10	11:30 -PDT S	18:30-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	11	11:41 -PDT S	18:41-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	12	11:42 -PDT SW	18:42-GMT humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	13	12:18 -PDT S	19:18-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	14	12:27 -PDT S	19:27-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	15	12:31 -PDT S	19:31-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	16	13:10 -PDT S	20:10-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	17	13:42 -PDT S	20:42-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	18	16:01 -PDT S	23:01-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	19	16:34 -PDT SP	23:34-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	20	16:38 -PDT S	23:38-GMT <a href="#">Images: 6870-6881</a> gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day



2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	17:00 -PDT	0:00; 3/17/2019-GMT
Fair	Fair	0%	0	0-1	Fuzzy / 3	T	Effort Hours 8:03	
<b>Mar 17 Day 33 of 99</b>								
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:00 -PDT	16:00-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:14 -PDT	16:14-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	09:25 -PDT	16:25-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	10:10 -PDT	17:10-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	10:39 -PDT	17:39-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	SW	humpback whale (Mn)	Total whales 8 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	10:55 -PDT	17:55-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	SO	southern sea otter (El)	Total otters 1 — 0 Pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	10:57 -PDT	17:57-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	08	11:00 -PDT	18:00-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)	Total dolphins 8 — 3 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	09	11:14 -PDT	18:14-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	10	11:29 -PDT	18:29-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	11	11:32 -PDT	18:32-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	12	11:57 -PDT	18:57-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	13	11:59 -PDT	18:59-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	14	12:38 -PDT	19:38-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	15	12:56 -PDT	19:56-GMT
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	16	13:56 -PDT	20:56-GMT <a href="#">Images: 6882-93</a>
Fair	Fair	0%	1	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	17	15:38 -PDT	22:38-GMT
Fair	Fair	0%	2	0-1-2	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	18	16:17 -PDT	23:17-GMT
Fair	Fair	0%	2	0-1-2	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	19	16:21 -PDT	23:21-GMT
Fair	Fair	0%	2	0-1-2	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	20	16:38 -PDT	23:38-GMT
Fair	Fair	0%	2	0-1-2	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	21	16:39 -PDT	23:39-GMT
Fair	Fair	0%	2	0-1-2	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	22	16:43 -PDT	23:43-GMT
Fair	Fair	0%	2	0-1-2	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	17:00 -PDT	0:00; 3/18/2019-GMT
Fair	Fair	0%	2	0-1-2	Fuzzy / 3	T	Effort Hours 8:00	

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

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Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Poor	0%	0	0-1	Fuzzy / 3	01	09:07 -PDT	16:07-GMT	
							S	gray whale (Er) (northbound)	Total whales 5 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	02	09:09 -PDT	16:09-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	03	09:23 -PDT	16:23-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	04	09:58 -PDT	16:58-GMT	
							S	gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	05	10:04 -PDT	17:04-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	06	10:29 -PDT	17:29-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	07	10:56 -PDT	17:56-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	08	10:57 -PDT	17:57-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	09	11:08 -PDT	18:08-GMT	
							SW	humpback whale (Mn)	Total whales 8 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	10	11:25 -PDT	18:25-GMT	
							S	gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	11	11:26 -PDT	18:26-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	12	11:30 -PDT	18:30-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	13	11:40 -PDT	18:40-GMT	
							SO	southern sea otter (El)	Total otters 1 — 0 Pups at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	14	12:00 -PDT	19:00-GMT <a href="#">Images: 6901-6910</a>	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	15	12:20 -PDT	19:20-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	16	12:38 -PDT	19:38-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	17	12:40 -PDT	19:40-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	18	12:50 -PDT	19:50-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	19	12:52 -PDT	19:52-GMT <a href="#">Images: 6912-6923</a>	
							SD	bottlenose dolphin (Tt)	Total dolphins 4 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	20	13:15 -PDT	20:15-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	21	13:24 -PDT	20:24-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	22	13:30 -PDT	20:30-GMT <a href="#">Images: 6924-6929</a>	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	23	13:36 -PDT	20:36-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	24	13:37 -PDT	20:37-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Poor	0%	0	0-1	Fuzzy / 3	25	13:41 -PDT S	20:41-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	26	13:48 -PDT SW	20:48-GMT gray whale (Er) (southbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	27	14:16 -PDT S	21:16-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	28	14:30 -PDT S	21:30-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	29	14:49 -PDT S	21:49-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	30	14:51 -PDT S	21:51-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	31	14:52 -PDT S	21:52-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	32	15:20 -PDT S	22:20-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	33	15:43 -PDT S	22:43-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	34	15:51 -PDT S	22:51-GMT gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	35	16:25 -PDT S	23:25-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	36	16:36 -PDT S	23:36-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	0%	0	0-1	Fuzzy / 3	End Day	17:00 -PDT T	0:00; 3/19/2019-GMT Effort Hours 8:00	

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Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day			
						09:00 -PDT T	16:00-GMT Effort Hours 0:00		

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Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Good	Fair	80%	1	0-1	Fuzzy / 3	01	09:01 -PDT S	16:01-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Good	Fair	80%	1	0-1	Fuzzy / 3	02	10:31 -PDT S	17:31-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Good	Fair	80%	1	0-1	Fuzzy / 3	03	10:35 -PDT S	17:35-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Good	Fair	80%	1	0-1	Fuzzy / 3	04	10:37 -PDT S	17:37-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Good	Fair	80%	1	0-1-2	Fuzzy / 3	05	11:00 -PDT S	18:00-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Good	Fair	80%	1	0-1-2	Fuzzy / 3	06	11:20 -PDT S	18:20-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Good	Fair	80%	1	0-1-2	Fuzzy / 3	07	11:26 -PDT S	18:26-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Good	Fair	80%	1	0-1-2	Fuzzy / 3	08	11:35 -PDT S	18:35-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Good	Good	20%	2	2	Sharp / 3	09	11:51 -PDT SW	18:51-GMT	Totals not indicated

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Good	Contrast Good	CCvr 20%	Bft 2	Bft Mix 2	Horiz - Vis Sharp / 3	10	12:02 -PDT SD	19:02-GMT bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 60%	Bft 3	Bft Mix 2-3-4	Horiz - Vis Sharp / 3	11	12:42 -PDT S	19:42-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 60%	Bft 3	Bft Mix 2-3-4	Horiz - Vis Sharp / 3	12	14:07 -PDT S	21:07-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Good	CCvr 60%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	13	14:35 -PDT S	21:35-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Good	CCvr 60%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	14	15:22 -PDT S	22:22-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Good	CCvr 60%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	15	15:52 -PDT S	22:52-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Good	CCvr 60%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	16	16:07 -PDT S	23:07-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Good	CCvr 60%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	17	16:29 -PDT SD	23:29-GMT bottlenose dolphin (Tt)	Totals not indicated
Quality Poor	Contrast Good	CCvr 60%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	18	16:44 -PDT S	23:44-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Poor	Contrast Good	CCvr 60%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	End Day	17:00 -PDT T	0:00; 3/21/2019-GMT Effort Hours 8:00	

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Quality Fair	Contrast Good	CCvr 20%	Bft 3	Bft Mix 2-3	Horiz - Vis Sharp / 3	01	11:10 -PDT S	18:10-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 20%	Bft 3	Bft Mix 2-3	Horiz - Vis Sharp / 3	02	11:30 -PDT S	18:30-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 20%	Bft 3	Bft Mix 2-3	Horiz - Vis Sharp / 3	03	11:37 -PDT S	18:37-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 20%	Bft 3	Bft Mix 2-3	Horiz - Vis Sharp / 3	04	11:41 -PDT S	18:41-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 20%	Bft 2	Bft Mix 2	Horiz - Vis Sharp / 3	05	12:04 -PDT SP	19:04-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Good	CCvr 40%	Bft 2	Bft Mix 2	Horiz - Vis Sharp / 3	06	13:09 -PDT S	20:09-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 40%	Bft 2	Bft Mix 2	Horiz - Vis Sharp / 3	07	13:37 -PDT S	20:37-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 40%	Bft 2	Bft Mix 2	Horiz - Vis Sharp / 3	08	13:40 -PDT S	20:40-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 40%	Bft 2	Bft Mix 2	Horiz - Vis Sharp / 3	09	14:13 -PDT S	21:13-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 60%	Bft 3	Bft Mix 2	Horiz - Vis Sharp / 3	10	14:38 -PDT S	21:38-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 60%	Bft 3	Bft Mix 2	Horiz - Vis Sharp / 3	11	15:00 -PDT S	22:00-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 60%	Bft 3	Bft Mix 2	Horiz - Vis Sharp / 3	12	15:02 -PDT S	22:02-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 60%	Bft 3	Bft Mix 2	Horiz - Vis Sharp / 3	13	15:08 -PDT S	22:08-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 60%	Bft 3	Bft Mix 2	Horiz - Vis Sharp / 3	14	15:18 -PDT S	22:18-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Good	60%	3	2	Sharp / 3	15	15:19 -PDT	22:19-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Good	60%	3	2	Sharp / 3	16	15:34 -PDT	22:34-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Good	60%	3	2	Sharp / 3	17	15:51 -PDT	22:51-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Good	60%	3	2	Sharp / 3	18	16:14 -PDT	23:14-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Good	60%	3	2	Sharp / 3	19	16:18 -PDT	23:18-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Good	60%	3	2	Sharp / 3	20	16:44 -PDT	23:44-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Good	60%	3	2	Sharp / 3	End Day	17:00 -PDT	0:00; 3/22/2019-GMT	
							T	Effort Hours 6:00	

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Fair	Poor	80%	1	0-1	Fuzzy / 3	01	09:02 -PDT	16:02-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	02	09:07 -PDT	16:07-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	03	09:14 -PDT	16:14-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	04	09:17 -PDT	16:17-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	05	09:26 -PDT	16:26-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	06	09:53 -PDT	16:53-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	40%	1	0-1	Fuzzy / 3	07	10:02 -PDT	17:02-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Poor	20%	1	0-1	Fuzzy / 3	08	10:27 -PDT	17:27-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	60%	1	0-1	Fuzzy / 3	09	10:57 -PDT	17:57-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	60%	1	0-1	Fuzzy / 3	10	11:05 -PDT	18:05-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	11	11:07 -PDT	18:07-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 6 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	12	11:46 -PDT	18:46-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	13	12:05 -PDT	19:05-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	80%	1	0-1	Fuzzy / 3	14	12:21 -PDT	19:21-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	100%	1	0-1	Fuzzy / 3	15	12:58 -PDT	19:58-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	100%	1	0-1	Fuzzy / 3	16	13:14 -PDT	20:14-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	100%	1	0-1	Fuzzy / 3	17	13:36 -PDT	20:36-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Poor	100%	1	0-1	Fuzzy / 3	18	13:49 -PDT	20:49-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	100%	0	0-1	Fuzzy / 3	19	14:03 -PDT	21:03-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Poor	100%	0	0-1	Fuzzy / 3	20	14:38 -PDT	21:38-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	100%	0	0-1	Fuzzy / 3	21	14:43 -PDT	21:43-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	100%	0	0-1	Fuzzy / 3	22	14:54 -PDT	21:54-GMT	
							SW	unidentified large whale	Total whales 1 — 0 calves at sighting
Fair	Poor	100%	1	0-1-2	Fuzzy / 3	23	15:08 -PDT	22:08-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	100%	1	0-1-2	Fuzzy / 3	24	15:45 -PDT	22:45-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	100%	2	1-2	Fuzzy / 3	25	16:11 -PDT	23:11-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	100%	2	1-2	Fuzzy / 3	26	16:16 -PDT	23:16-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	100%	2	1-2	Fuzzy / 3	27	16:53 -PDT	23:53-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Poor	100%	2	1-2	Fuzzy / 3	End Day	17:00 -PDT	0:00; 3/23/2019-GMT	
							T	Effort Hours 8:00	

Mar 23 Day 39 of 99

Poor	Poor	100%	1	0-1	Fuzzy / 3	01	09:09 -PDT	16:09-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Poor	Poor	100%	1	0-1	Fuzzy / 3	02	09:32 -PDT	16:32-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 6 — 0 calves at sighting
Poor	Poor	100%	1	0-1	Fuzzy / 3	03	10:02 -PDT	17:02-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Poor	Poor	100%	1	0-1	Fuzzy / 3	04	10:08 -PDT	17:08-GMT	
							S	gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Poor	Poor	100%	1	0-1	Fuzzy / 3	05	10:37 -PDT	17:37-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Poor	Poor	100%		0-1	Fuzzy / 2	06	11:35 -PDT	18:35-GMT	<a href="#">Images: 6951-6964</a>
							SO	southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Poor	Poor	80%	1	0-1	Fuzzy / 2	07	12:34 -PDT	19:34-GMT	
							S	gray whale (Er) (northbound)	Total whales 5 — 0 calves at sighting
Fair	Fair	80%	1	0-1	Fuzzy / 3	08	13:39 -PDT	20:39-GMT	
							S	gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Fair	Fair	40%	1	0-1	Fuzzy / 3	09	13:44 -PDT	20:44-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	40%	1	0-1	Fuzzy / 3	10	13:57 -PDT	20:57-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	40%	1	0-1	Fuzzy / 3	11	14:15 -PDT	21:15-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Fair	40%	1	0-1	Fuzzy / 3	12	14:30 -PDT	21:30-GMT	
							S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Good	Good	40%	2	0-1-2	Fuzzy / 3	13	14:37 -PDT	21:37-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	16:12 -PDT	23:12-GMT	
Fair	Fair	20%	5	3-4	Fuzzy / 3	Day	T	Effort Hours 6:24	

Mar 24 Day 40 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:01 -PDT	16:01-GMT	Images: 6974-9	
Fair	Poor	20%	1	0-1	Fuzzy / 3		SO	southern sea otter (EI)		Total otters 1 — 0 Pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:23 -PDT	16:23-GMT		
Fair	Poor	20%	2	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	10:06 -PDT	17:06-GMT		
Fair	Poor	20%	2	0-1-2	Fuzzy / 3		SO	southern sea otter (EI)		Totals not indicated
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	10:42 -PDT	17:42-GMT		
Fair	Poor	20%	2	0-1-2	Fuzzy / 3		SW	humpback whale (Mn)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	10:45 -PDT	17:45-GMT		
Fair	Poor	20%	2	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	11:42 -PDT	18:42-GMT		
Fair	Poor	20%	2	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	11:59 -PDT	18:59-GMT		
Fair	Poor	20%	2	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	08	12:29 -PDT	19:29-GMT		
Fair	Fair	0%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	09	13:03 -PDT	20:03-GMT		
Fair	Fair	0%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	10	13:32 -PDT	20:32-GMT		
Fair	Fair	0%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	11	14:09 -PDT	21:09-GMT		
Fair	Fair	0%	1	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	12	15:02 -PDT	22:02-GMT		
Fair	Fair	0%	1	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	13	15:05 -PDT	22:05-GMT		
Fair	Fair	0%	1	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 3 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	14	16:54 -PDT	23:54-GMT		
Fair	Fair	0%	2	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 3/25/2019-GMT		
Fair	Fair	0%	2	0-1-2	Fuzzy / 3	Day	T	Effort Hours 8:00		

Mar 25 Day 41 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:01 -PDT	16:01-GMT		
Poor	Poor	0%	1	0-1	Fuzzy / 3		SO	southern sea otter (EI)		Total otters 1 — 0 Pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:02 -PDT	16:02-GMT		
Poor	Poor	0%	1	0-1	Fuzzy / 3		SO	southern sea otter (EI)		Total otters 1 — 0 Pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	09:22 -PDT	16:22-GMT		
Poor	Poor	0%	1	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	09:23 -PDT	16:23-GMT		
Poor	Poor	0%	1	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	10:32 -PDT	17:32-GMT		
Poor	Poor	20%	1	0-1-2	Fuzzy / 3		SW	humpback whale (Mn)		Total whales 3 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	10:36 -PDT	17:36-GMT		
Poor	Poor	20%	1	0-1-2	Fuzzy / 3		SD	bottlenose dolphin (Tt)		Total dolphins 7 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	11:01 -PDT	18:01-GMT		
Fair	Fair	20%	2	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 3 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Fair	20%	2	0-1-2	Fuzzy / 3	08	11:09 -PDT	18:09-GMT	
						S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	20%	2	0-1-2	Fuzzy / 3	09	11:22 -PDT	18:22-GMT	
						S		gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Poor	Fair	0%	4	4	Fuzzy / 3	10	13:06 -PDT	20:06-GMT	
						SD		bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Poor	Fair	0%	4	4	Fuzzy / 3	11	13:09 -PDT	20:09-GMT	
						SD		common dolphin, species not determined	≈Total dolphins 500 — calves not determined
Fair	Fair	0%	4	4	Fuzzy / 3	12	15:22 -PDT	22:22-GMT	
						S		gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Fair	0%	4	4	Fuzzy / 3	13	16:59 -PDT	23:59-GMT	
						S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	0%	4	4	Fuzzy / 3	End Day	17:00 -PDT	0:00; 3/26/2019-GMT	
						T		Effort Hours 8:00	

Mar 26 Day 42 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day			
						T	09:00 -PDT	16:00-GMT	
								Effort Hours 0:00	

Mar 27 Day 43 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day			
						T	09:00 -PDT	16:00-GMT	
								Effort Hours 0:00	

Mar 28 Day 44 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Fair	20%	1	0-1	Fuzzy / 3	01	09:02 -PDT	16:02-GMT	
						S		gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Fair	Fair	20%	1	0-1	Fuzzy / 3	02	09:05 -PDT	16:05-GMT	
						SO		southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Fair	Fair	20%	1	0-1	Fuzzy / 3	03	09:32 -PDT	16:32-GMT	
						SD		common dolphin, species not determined	≈Total dolphins 1500 — calves not determined
Fair	Good	20%	3	1-2-3	Fuzzy / 3	04	09:41 -PDT	16:41-GMT	
						S		gray whale (Er) (northbound)	Total whales 4 — 0 calves at sighting
Fair	Fair	20%	4	4	Fuzzy / 3	05	11:23 -PDT	18:23-GMT	
						S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	20%	4	4	Fuzzy / 3	06	11:25 -PDT	18:25-GMT	
						SW		unidentified large whale	Total whales 1 — 0 calves at sighting
Fair	Fair	20%	4	4	Fuzzy / 3	07	11:44 -PDT	18:44-GMT	Images: 7007-7017
						SD		bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Fair	Fair	20%	5	4	Fuzzy / 3	End Day	12:50 -PDT	19:50-GMT	
						T		Effort Hours 3:50	

Mar 29 Day 45 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Fair	0%	2	1-2	Fuzzy / 3	01	09:04 -PDT	16:04-GMT	
						S		gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	0%	2	1-2	Fuzzy / 3	02	09:09 -PDT	16:09-GMT	
						SW		humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Fair	Fair	0%	2	1-2	Fuzzy / 3	03	10:30 -PDT	17:30-GMT	
						SD		bottlenose dolphin (Tt)	Total dolphins 5 — nd calves at sighting
Fair	Fair	60%	3	1-2-3	Fuzzy / 3	04	12:03 -PDT	19:03-GMT	
						SP		harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Fair	60%	3	1-2-3	Fuzzy / 3	05	12:39 -PDT	19:39-GMT	
						SD		bottlenose dolphin (Tt)	Total dolphins 4 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day



2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	12:49 -PDT	19:49-GMT		
Fair	Fair	60%	3	1-2-3	Fuzzy / 3		SD	bottlenose dolphin (Tt)		Total dolphins 4 — 1 calf at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	13:35 -PDT	20:35-GMT		
Fair	Fair	40%	4	4	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	14:37 -PDT	21:37-GMT		
Fair	Fair	40%	5	4	Fuzzy / 3	Day	T	Effort Hours 5:37		

Mar 30 Day 46 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:06 -PDT	16:06-GMT		
Fair	Fair	20%	0	0-1	Fuzzy / 3		SD	common dolphin, species not determined		≈Total dolphins 1500 — calves not determined
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:19 -PDT	16:19-GMT		
Fair	Fair	20%	0	0-1	Fuzzy / 3		SD	common dolphin, species not determined		≈Total dolphins 250 — calves not determined
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	09:23 -PDT	16:23-GMT		
Fair	Fair	20%	0	0-1	Fuzzy / 3		SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	09:57 -PDT	16:57-GMT		
Fair	Fair	0%	0	0	Fuzzy / 3		SW	humpback whale (Mn)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	10:14 -PDT	17:14-GMT		
Fair	Fair	0%	0	0	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	10:28 -PDT	17:28-GMT		
Fair	Fair	0%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 4 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	10:48 -PDT	17:48-GMT		
Fair	Fair	0%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	08	11:33 -PDT	18:33-GMT		
Fair	Fair	0%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	09	11:54 -PDT	18:54-GMT		
Fair	Fair	0%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	10	12:06 -PDT	19:06-GMT		
Fair	Fair	0%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	11	13:21 -PDT	20:21-GMT		
Fair	Fair	0%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	12	13:51 -PDT	20:51-GMT		
Fair	Fair	0%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	13	14:01 -PDT	21:01-GMT		
Fair	Fair	0%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	14	15:35 -PDT	22:35-GMT		
Fair	Fair	20%	0	0-1	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	15	15:38 -PDT	22:38-GMT		
Fair	Fair	20%	0	0-1	Fuzzy / 3		SO	southern sea otter (El)		Total otters 1 — 0 Pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	16	15:50 -PDT	22:50-GMT		
Fair	Fair	20%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	17	16:38 -PDT	23:38-GMT		
Fair	Fair	20%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	18	16:41 -PDT	23:41-GMT		
Fair	Fair	20%	2	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 3/31/2019-GMT		
Fair	Fair	20%	2	0-1-2	Fuzzy / 3	Day	T	Effort Hours 8:00		

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Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:29 -PDT	16:29-GMT		
Fair	Fair	0%	1	0-1	Fuzzy / 3		SW	common minke whale (Ba)		Totals not indicated

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Fair	0%	1	0-1	Fuzzy / 3	02	10:31 -PDT SW	17:31-GMT humpback whale (Mn)	Total whales 5 — 0 calves at sighting
Fair	Fair	0%	1	0-1	Fuzzy / 3	03	10:42 -PDT S	17:42-GMT <a href="#">Images: 7025-7033</a> gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Fair	Fair	20%	1	0-1	Fuzzy / 3	04	12:33 -PDT S	19:33-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Fair	20%	1	0-1	Fuzzy / 3	05	12:48 -PDT S	19:48-GMT <a href="#">Images: 7035-7046</a> gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	20%	1	0-1	Fuzzy / 3	06	13:49 -PDT SD	20:49-GMT bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Fair	Fair	40%	1	0-1	Fuzzy / 3	07	13:54 -PDT SP	20:54-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Fair	80%	2	0-1-2	Fuzzy / 3	08	15:47 -PDT S	22:47-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Fair	80%	2	2	Fuzzy / 3	09	16:25 -PDT SD	23:25-GMT bottlenose dolphin (Tt)	Total dolphins 8 — 0 calves at sighting
Fair	Fair	80%	2	2	Fuzzy / 3	10	16:27 -PDT S	23:27-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	80%	2	2	Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/1/2019-GMT Effort Hours 7:57	

Apr 01 Day 48 of 99

Fair	Poor	20%	0	0	Fuzzy / 3	01	09:13 -PDT S	16:13-GMT <a href="#">Images: 7047-7061</a> gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Fair	Poor	20%	0	0	Fuzzy / 3	02	09:36 -PDT SP	16:36-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Poor	80%	0	0	Fuzzy / 3	03	09:53 -PDT S	16:53-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	80%	0	0	Fuzzy / 3	04	10:10 -PDT S	17:10-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Poor	80%	0	0	Fuzzy / 3	05	10:21 -PDT SW	17:21-GMT humpback whale (Mn)	Total whales 2 — 0 calves at sighting
Fair	Poor	80%	0	0	Fuzzy / 3	06	10:25 -PDT SD	17:25-GMT bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Poor	Poor	80%	0	0	Fuzzy / 3	07	10:28 -PDT SD	17:28-GMT common dolphin, species not determined	≈Total dolphins 100 — calves not determined
Poor	Poor	80%	0	0-1	Fuzzy / 3	08	11:11 -PDT SO	18:11-GMT southern sea otter (El)	Total otters 1 — 0 Pups at sighting
Poor	Poor	60%	0	0-1	Fuzzy / 3	09	11:42 -PDT S	18:42-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Poor	Poor	80%	0	0-1	Fuzzy / 3	10	15:51 -PDT S	22:51-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Poor	Poor	80%	0	0-1	Fuzzy / 3	11	16:36 -PDT S	23:36-GMT <a href="#">Images: 7063-7075</a> gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Poor	Poor	80%	0	0-1	Fuzzy / 3	12	16:50 -PDT S	23:50-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Poor	Poor	80%	0	0-1	Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/2/2019-GMT Effort Hours 8:00	

Apr 02 Day 49 of 99

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	09:00 -PDT	16:00-GMT
						T	Effort Hours 0:00	

Apr 03 Day 50 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:16 -PDT	16:16-GMT	
Fair	Poor	100%	0	0-1	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	14:14 -PDT	21:14-GMT	
Fair	Poor	80%		0-1	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	14:37 -PDT	21:37-GMT	
Fair	Poor	80%		0-1	Sharp / 3	SD	bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	15:54 -PDT	22:54-GMT	
Fair	Poor	60%		0-1	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	16:12 -PDT	23:12-GMT	Images: 7077-7099
Fair	Poor	60%		0-1	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	16:40 -PDT	23:40-GMT	
Fair	Poor	60%		0-1	Sharp / 3	SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	17:00 -PDT	0:00; 4/4/2019-GMT	
Fair	Poor	60%		0-1	Sharp / 3	T	Effort Hours 4:30		

Apr 04 Day 51 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:01 -PDT	16:01-GMT	
Fair	Poor	100%	1	0-1	Sharp / 3	SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	10:57 -PDT	17:57-GMT	
Fair	Fair	80%	1	0-1	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	11:54 -PDT	18:54-GMT	
Fair	Fair	80%	1	0-1	Sharp / 3	SD	Pacific white-sided dolphin (Lo)	≈Total dolphins 18 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	12:17 -PDT	19:17-GMT	
Fair	Fair	100%	1	0-1-2	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	13:14 -PDT	20:14-GMT	
Fair	Fair	100%	1	0-1-2	Sharp / 3	SD	common dolphin, species not determined	≈Total dolphins 600 — calves not determined	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	13:24 -PDT	20:24-GMT	
Fair	Fair	100%	1	0-1-2	Sharp / 3	SD	bottlenose dolphin (Tt)	Total dolphins 6 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	14:25 -PDT	21:25-GMT	Images: 7101-7108
Fair	Poor	100%	1	0-1-2	Sharp / 3	SD	bottlenose dolphin (Tt)	Total dolphins 4 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	08	14:58 -PDT	21:58-GMT	
Fair	Poor	100%	1	0-1-2	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	09	16:18 -PDT	23:18-GMT	
Fair	Poor	100%	1	0-1-2	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	10	16:26 -PDT	23:26-GMT	
Fair	Poor	100%	1	0-1-2	Sharp / 3	S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	17:00 -PDT	0:00; 4/5/2019-GMT	
Fair	Poor	100%	1	0-1-2	Sharp / 3	T	Effort Hours 8:00		

Apr 05 Day 52 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:06 -PDT	16:06-GMT	
Fair	Fair	60%	0	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)	Total dolphins 6 — 0 calves at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:15 -PDT	16:15-GMT	
Fair	Fair	60%	0	0-1	Fuzzy / 3	SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	09:29 -PDT	16:29-GMT	
Fair	Fair	80%	0	0-1	Fuzzy / 3	SD	common dolphin, species not determined	≈Total dolphins 400 — calves not determined	
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	09:47 -PDT	16:47-GMT	
Fair	Fair	80%	0	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting	

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Poor	Contrast Poor	CCvr 100%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	05	13:05 -PDT SW	20:05-GMT unidentified large whale	Total whales 1 — nd calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	06	14:21 -PDT S	21:21-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 5	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	End Day	14:42 -PDT T	21:42-GMT Effort Hours 5:42	

Apr 06 Day 53 of 99

Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	01	09:01 -PDT SW	16:01-GMT humpback whale (Mn)	Total whales 4 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	02	09:02 -PDT SD	16:02-GMT common dolphin, species not determined	≈Total dolphins 800 — calves not determined
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	03	09:05 -PDT SP	16:05-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	04	10:20 -PDT S	17:20-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	05	11:19 -PDT S	18:19-GMT gray whale (Er) (northbound)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	06	11:32 -PDT SO	18:32-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Good	Contrast Good	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	07	14:11 -PDT S	21:11-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Good	Contrast Good	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	08	14:22 -PDT S	21:22-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Good	Contrast Good	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	09	15:40 -PDT S	22:40-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Good	Contrast Good	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	10	15:52 -PDT SD	22:52-GMT bottlenose dolphin (Tt)	Total dolphins 4 — 0 calves at sighting
Quality Good	Contrast Good	CCvr 20%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/7/2019-GMT Effort Hours 8:00	

Apr 07 Day 54 of 99

Quality Fair	Contrast Fair	CCvr 80%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	01	09:02 -PDT SO	16:02-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	02	11:13 -PDT S	18:13-GMT <a href="#">Images: 7122-3</a> gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 2	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	03	11:34 -PDT SD	18:34-GMT bottlenose dolphin (Tt)	Total dolphins 8 — 1 calf at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	04	15:08 -PDT SP	22:08-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 80%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	05	16:22 -PDT SW	23:22-GMT humpback whale (Mn)	Total whales 5 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 80%	Bft 3	Bft Mix 3	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/8/2019-GMT Effort Hours 8:00	

Apr 08 Day 55 of 99

Quality Fair	Contrast Poor	CCvr 80%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	01	10:12 -PDT SO	17:12-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Fair	Contrast Poor	CCvr 80%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	02	10:53 -PDT SD	17:53-GMT <a href="#">Images: 7137-7177</a> bottlenose dolphin (Tt)	Total dolphins 5 — 0 calves at sighting
Quality Fair	Contrast Poor	CCvr 80%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	11:56 -PDT S	18:56-GMT <a href="#">Images: 7180-7197</a> gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Fair	Contrast Poor	CCvr 80%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	04	12:10 -PDT S	19:10-GMT gray whale (Er) (northbound)	Total whales 4 — 2 calves at sighting
Quality Fair	Contrast Poor	CCvr 80%	Bft 2	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	05	13:30 -PDT S	20:30-GMT gray whale (Er) (northbound)	Total whales 2 — 0 calves at sighting
Quality Fair	Contrast Poor	CCvr 80%	Bft 5	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	End Day	15:41 -PDT T	22:41-GMT Effort Hours 6:41	
<b>Apr 09 Day 56 of 99</b>									
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	09:00 -PDT T	16:00-GMT Effort Hours 0:00	
<b>Apr 10 Day 57 of 99</b>									
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	01	10:30 -PDT SP	17:30-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 4	Bft Mix 4	Horiz - Vis Fuzzy / 3	02	13:22 -PDT S	20:22-GMT gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 4	Bft Mix 4	Horiz - Vis Fuzzy / 3	03	13:24 -PDT SD	20:24-GMT bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 0%	Bft 4	Bft Mix 4	Horiz - Vis Fuzzy / 3	04	14:03 -PDT S	21:03-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 0%	Bft 4	Bft Mix 4	Horiz - Vis Fuzzy / 3	05	14:26 -PDT S	21:26-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Not Acceptable	Contrast Poor	CCvr 0%	Bft 5	Bft Mix 5	Horiz - Vis Fuzzy / 3	End Day	14:32 -PDT T	21:32-GMT Effort Hours 5:32	
<b>Apr 11 Day 58 of 99</b>									
Quality Poor	Contrast Poor	CCvr 80%	Bft 4	Bft Mix 4	Horiz - Vis Fuzzy / 3	01	09:59 -PDT SW	16:59-GMT unidentified large whale	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 80%	Bft 5	Bft Mix 4	Horiz - Vis Fuzzy / 3	End Day	12:43 -PDT T	19:43-GMT Effort Hours 3:43	
<b>Apr 12 Day 59 of 99</b>									
Quality Fair	Contrast Fair	CCvr 0%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	01	09:01 -PDT S	16:01-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 5	Bft Mix 5	Horiz - Vis Fuzzy / 3	End Day	11:15 -PDT T	18:15-GMT Effort Hours 2:15	
Quality Fair	Contrast Fair	CCvr 0%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	02 Off-Ef	11:17 -PDT S	18:17-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
<b>Apr 13 Day 60 of 99</b>									
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01	09:55 -PDT SP	16:55-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	02	11:20 -PDT S	18:20-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	12:17 -PDT SD	19:17-GMT bottlenose dolphin (Tt)	Total dolphins 5 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	04	14:28 -PDT SD	21:28-GMT bottlenose dolphin (Tt)	Total dolphins 9 — 2 calves at sighting
Quality Fair	Contrast Fair	CCvr 80%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/14/2019-GMT Effort Hours 8:00	
<b>Apr 14 Day 61 of 99</b>									
Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	01	11:24 -PDT SW	18:24-GMT humpback whale (Mn)	Total whales 1 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	02	11:36 -PDT	18:36-GMT	
							SO	southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	03	11:40 -PDT	18:40-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	04	12:35 -PDT	19:35-GMT	
							SD	Pacific white-sided dolphin (Lo)	≈Total dolphins 12 — nd calves at sighting
Fair	Fair	60%	1	0-1-2	Fuzzy / 3	05	13:39 -PDT	20:39-GMT	
							SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Not Acceptable	Fair	60%	2	0-1-2	Fuzzy / <1	End Day	16:49 -PDT	23:49-GMT	
							T	Effort Hours 5:26	

Apr 15 Day 62 of 99

Poor	Poor	100%	1	0-1	Fuzzy / 3	01	09:33 -PDT	16:33-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	02	10:32 -PDT	17:32-GMT	
							SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Fair	80%	1	0-1-2	Fuzzy / 3	03	12:46 -PDT	19:46-GMT	
							SW	humpback whale (Mn)	Total whales 1 — 0 calves at sighting
Fair	Fair	80%	1	0-1-2	Fuzzy / 3	04	12:50 -PDT	19:50-GMT	
							SW	humpback whale (Mn)	Total whales 5 — 0 calves at sighting
Fair	Fair	60%	1	0-1-2	Fuzzy / 3	05	13:49 -PDT	20:49-GMT	
							SO	southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Fair	Fair	60%	1	0-1	Fuzzy / 3	End Day	17:00 -PDT	0:00; 4/16/2019-GMT	
							T	Effort Hours 8:00	

Apr 16 Day 63 of 99

						End Day	09:00 -PDT	16:00-GMT	
							T	Effort Hours 0:00	

Apr 17 Day 64 of 99

Fair	Fair	0%	1	1-2	Fuzzy / 3	01	09:22 -PDT	16:22-GMT	
							SW	humpback whale (Mn)	Total whales 2 — 0 calves at sighting
Fair	Fair	0%	2	1-2	Fuzzy / 3	02	09:59 -PDT	16:59-GMT	
							SW	humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Fair	Fair	0%	2	1-2	Fuzzy / 3	03	10:11 -PDT	17:11-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Fair	Fair	0%	2	1-2	Fuzzy / 3	04	11:07 -PDT	18:07-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	0%	2	1-2	Fuzzy / 3	05	11:32 -PDT	18:32-GMT	
							S	gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Fair	Fair	0%	1	1-2	Fuzzy / 3	06	11:59 -PDT	18:59-GMT	
							SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Fair	0%	1	1-2	Fuzzy / 3	07	12:43 -PDT	19:43-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Fair	Fair	0%	3	1-2-3	Fuzzy / 3	08	14:59 -PDT	21:59-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Fair	Fair	0%	2	1-2	Fuzzy / 3	09	16:09 -PDT	23:09-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 3 — 1 calf at sighting
Fair	Fair	0%	2	1-2	Fuzzy / 3	End Day	17:00 -PDT	0:00; 4/18/2019-GMT	
							T	Effort Hours 8:00	

Apr 18 Day 65 of 99

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	01	09:48 -PDT S	16:48-GMT gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Quality Poor	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	02	10:18 -PDT SD	17:18-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 60%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	11:23 -PDT S	18:23-GMT gray whale (Er) (northbound)	Total whales 2 — nd calves at sighting
Quality Fair	Contrast Fair	CCvr 40%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	04	13:42 -PDT S	20:42-GMT <a href="#">Images: 7254 - 7318</a> gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	05	14:42 -PDT SP	21:42-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	06	16:25 -PDT S	23:25-GMT <a href="#">Images: 7320-7339</a> gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Quality Fair	Contrast Fair	CCvr 20%	Bft 3	Bft Mix 1-2-3	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/19/2019-GMT Effort Hours 8:00	

Apr 19 Day 66 of 99

Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 1-2	Horiz - Vis Fuzzy / 3	01	08:58 -PDT S	15:58-GMT <a href="#">Images: 7347 - 7355</a> gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Quality Poor	Contrast Poor	CCvr 80%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	02	15:15 -PDT SW	22:15-GMT humpback whale (Mn)	Total whales 5 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	03	15:53 -PDT S	22:53-GMT gray whale (Er) (northbound)	Total whales 1 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 40%	Bft 4	Bft Mix 2-3-4	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/20/2019-GMT Effort Hours 8:02	

Apr 20 Day 67 of 99

Quality Poor	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 2	01	09:37 -PDT SD	16:37-GMT common dolphin, species not determined	≈Total dolphins 20 — calves not determined
Quality Fair	Contrast Fair	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	02	09:50 -PDT S	16:50-GMT <a href="#">Images: 7394 - 7577</a> gray whale (Er) (northbound)	Total whales 8 — 4 calves at sighting
Quality Good	Contrast Good	CCvr 20%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/21/2019-GMT Effort Hours 8:00	

Apr 21 Day 68 of 99

Quality Fair	Contrast Fair	CCvr 0%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Sharp / 3	01	09:01 -PDT SD	16:01-GMT bottlenose dolphin (Tt)	Total dolphins 6 — nd calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Sharp / 3	02	09:11 -PDT S	16:11-GMT gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Sharp / 3	03	10:29 -PDT SD	17:29-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Sharp / 3	04	10:35 -PDT S	17:35-GMT <a href="#">Images: 7589 - 7667</a> gray whale (Er) (northbound)	Total whales 4 — 2 calves at sighting
Quality Good	Contrast Good	CCvr 0%	Bft 2	Bft Mix 0-1-2	Horiz - Vis Sharp / 3	05	11:41 -PDT SD	18:41-GMT bottlenose dolphin (Tt)	Total dolphins 3 — 1 calf at sighting
Quality Fair	Contrast Fair	CCvr 0%	Bft 3	Bft Mix 0-1-2	Horiz - Vis Sharp / 3	06	15:15 -PDT SD	22:15-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Quality Poor	Contrast Poor	CCvr 0%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	07	15:53 -PDT SD	22:53-GMT bottlenose dolphin (Tt)	Total dolphins 7 — nd calves at sighting
Quality Poor	Contrast Poor	CCvr 0%	Bft 4	Bft Mix 4	Horiz - Vis Sharp / 3	End Day	17:00 -PDT T	0:00; 4/22/2019-GMT Effort Hours 8:00	

Apr 22 Day 69 of 99

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Poor	0%	1	0-1-2	Fuzzy / 3	01	09:06 -PDT	16:06-GMT	
							SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Poor	0%	1	0-1-2	Fuzzy / 3	02	09:08 -PDT	16:08-GMT	
							SD		Totals not indicated
Fair	Poor	0%	1	0-1-2	Fuzzy / 3	03	10:42 -PDT	17:42-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Fair	Poor	0%	1	0-1-2	Fuzzy / 3	04	11:12 -PDT	18:12-GMT	
							SD	common dolphin, species not determined	≈Total dolphins 1000 — calves not determined
Fair	Poor	0%	1	0-1-2	Fuzzy / 3	05	11:57 -PDT	18:57-GMT	Images: 7669-7701
							S	gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Poor	Fair	0%	3	1-2-3	Fuzzy / 2	06	15:00 -PDT	22:00-GMT	Images: 7704-7709
							S	gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Poor	Fair	0%	3	1-2-3	Fuzzy / 2	07	15:50 -PDT	22:50-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Poor	Fair	0%	3	1-2-3	Fuzzy / 2	End	17:00 -PDT	0:00; 4/23/2019-GMT	
						Day	T	Effort Hours 8:00	

Apr 23 Day 70 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	09:00 -PDT	16:00-GMT	
						Day	T	Effort Hours 0:00	

Apr 24 Day 71 of 99

Poor	Poor	100%	3	2-3	Indeterminate / 1.7	01	10:57 -PDT	17:57-GMT	
							SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Poor	Poor	80%	3	2-3	Fuzzy / 1.7	02	13:49 -PDT	20:49-GMT	
							S	gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Poor	Poor	80%	3	2-3	Fuzzy / 1.7	03	14:42 -PDT	21:42-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 7 — 0 calves at sighting
Poor	Poor	80%	3	2-3	Fuzzy / 1.7	04	16:09 -PDT	23:09-GMT	
							SO	southern sea otter (El)	Total otters 1 — 0 Pups at sighting
Poor	Poor	80%	2	1-2	Fuzzy / 1.7	End	17:00 -PDT	0:00; 4/25/2019-GMT	
						Day	T	Effort Hours 7:00	

Apr 25 Day 72 of 99

Poor	Poor	100%	1	0-1-2	Indeterminate / 1.7	01	09:00 -PDT	16:00-GMT	Images: 7728 - 7758
							S	gray whale (Er) (northbound)	Total whales 4 — 2 calves at sighting
Poor	Poor	100%	1	0-1-2	Indeterminate / 1.7	02	09:39 -PDT	16:39-GMT	
							SO	southern sea otter (El)	Total otters 1 — 0 Pups at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 2	03	12:10 -PDT	19:10-GMT	Images: 7760 - 7802
							S	gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 2	04	13:45 -PDT	20:45-GMT	
							SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 2	05	13:51 -PDT	20:51-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 1.7	06	15:34 -PDT	22:34-GMT	
							SD	bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 1.7	07	16:58 -PDT	23:58-GMT	Images: 7820 - 7839
							S	gray whale (Er) (northbound)	Total whales 2 — 1 calf at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 1.7	End	17:30 -PDT	0:30; 4/26/2019-GMT	
						Day	T	Effort Hours 8:30	

Apr 26 Day 73 of 99

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day



2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis			
Poor	Poor	100%	0	0-1	Indeterminate / 1.7	01	09:25 -PDT SO	16:25-GMT southern sea otter (EI)  Total otters 1 — 0 Pups at sighting
Poor	Poor	100%	0	0-1	Indeterminate / 1.7	02	09:40 -PDT SW	16:40-GMT humpback whale (Mn)  Total whales 2 — 0 calves at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 2	03	10:45 -PDT SD	17:45-GMT common dolphin, species not determined  ≈Total dolphins 200 — calves not determined
Poor	Poor	100%	0	0-1	Fuzzy / 2	04	13:19 -PDT SP	20:19-GMT harbor seal (Pv)  Total seals 1 — 0 pups at sighting
Poor	Fair	100%	0	0-1	Fuzzy / 3	05	13:35 -PDT SD	20:35-GMT bottlenose dolphin (Tt)  Total dolphins 5 — 1 calf at sighting
Poor	Fair	100%	0	0-1	Fuzzy / 3	06	14:16 -PDT SO	21:16-GMT southern sea otter (EI)  Total otters 2 — 0 Pups at sighting
Poor	Fair	100%	1	0-1	Fuzzy / 3	07	16:51 -PDT S	23:51-GMT <a href="#">Images: 7851 - 7862</a> gray whale (Er) (northbound)  Total whales 2 — 1 calf at sighting
Poor	Fair	100%	1	0-1	Fuzzy / 3	End Day	17:12 -PDT T	0:12; 4/27/2019-GMT Effort Hours 8:12

Apr 27 Day 74 of 99

Poor	Poor	100%	0	0-1	Indeterminate / 1.7	01	10:00 -PDT SO	17:00-GMT southern sea otter (EI)  Total otters 1 — 0 Pups at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 2	02	10:14 -PDT SP	17:14-GMT harbor seal (Pv)  Total seals 1 — 0 pups at sighting
Poor	Fair	100%	0	0-1	Fuzzy / 3	03	10:58 -PDT SW	17:58-GMT common minke whale (Ba)  Totals not indicated
Poor	Fair	100%	0	0-1	Fuzzy / 3	04	11:49 -PDT SD	18:49-GMT bottlenose dolphin (Tt)  Total dolphins 3 — 0 calves at sighting
Poor	Fair	100%	1	1-2	Fuzzy / 3	05	14:09 -PDT SP	21:09-GMT <a href="#">Images: 7867</a> harbor seal (Pv)  Total seals 1 — 0 pups at sighting
Poor	Fair	100%	1	1-2	Fuzzy / 3	06	14:46 -PDT S	21:46-GMT <a href="#">Images: 7868 - 7907</a> gray whale (Er) (northbound)  Total whales 2 — 1 calf at sighting
Fair	Poor	100%	2	1-2	Fuzzy / 3	End Day	17:00 -PDT T	0:00; 4/28/2019-GMT Effort Hours 8:00

Apr 28 Day 75 of 99

Poor	Poor	100%	0	0-1	Indeterminate / 1.5	01	09:05 -PDT SD	16:05-GMT bottlenose dolphin (Tt)  Total dolphins 5 — 0 calves at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 1.7	02	10:46 -PDT SP	17:46-GMT harbor seal (Pv)  Total seals 1 — 0 pups at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 2	03	10:56 -PDT S	17:56-GMT gray whale (Er) (northbound)  Total whales 1 — 0 calves at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 2	04	11:29 -PDT S	18:29-GMT <a href="#">Images: 7911 - 7939</a> gray whale (Er) (northbound)  Total whales 2 — 1 calf at sighting
Poor	Poor	100%	0	0-1	Fuzzy / 2	05	12:30 -PDT S	19:30-GMT <a href="#">Images: 7942 - 7975</a> gray whale (Er) (northbound)  Total whales 4 — 2 calves at sighting
Fair	Poor	100%	0	0-1	Fuzzy / 3	06	13:22 -PDT SD	20:22-GMT common dolphin, species not determined  ≈Total dolphins 150 — calves not determined
Fair	Fair	100%	0	0-1	Fuzzy / 3	07	14:57 -PDT SO	21:57-GMT southern sea otter (EI)  Total otters 2 — 0 Pups at sighting
Fair	Fair	100%	0	0-1	Fuzzy / 3	08	15:22 -PDT SW	22:22-GMT humpback whale (Mn)  Total whales 2 — 0 calves at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 4/29/2019-GMT
Fair	Fair	100%	0	0-1	Fuzzy / 3	Day	T	Effort Hours 8:00

Apr 29 Day 76 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:-PDT	16:-GMT	
Fair	Fair	100%	0	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 5 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:11 -PDT	16:11-GMT	
Fair	Fair	100%	0	0-1	Fuzzy / 3	SO	southern sea otter (El)		Total otters 1 — 0 Pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	10:17 -PDT	17:17-GMT	Images: 7981- 8060
Fair	Fair	100%	0	0-1	Fuzzy / 3	S	gray whale (Er) (northbound)		Total whales 2 — 1 calf at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	12:19 -PDT	19:19-GMT	
Fair	Fair	80%	0	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 3 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	14:14 -PDT	21:14-GMT	
Fair	Fair	20%	3	2-3	Sharp / 3	SW	humpback whale (Mn)		Total whales 4 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	15:45 -PDT	22:45-GMT	
Fair	Fair	60%	3	2-3	Sharp / 3	SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	16:28 -PDT	23:28-GMT	
Fair	Fair	80%	2	2-3	Sharp / 3	SD	bottlenose dolphin (Tt)		Total dolphins 5 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 4/30/2019-GMT	
Fair	Fair	80%	2	2-3	Sharp / 3	Day	T	Effort Hours 8:00	

Apr 30 Day 77 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	09:00 -PDT	16:00-GMT
						Day	T	Effort Hours 0:00

May 01 Day 78 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:07 -PDT	16:07-GMT	
Fair	Fair	40%	1	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 3 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:10 -PDT	16:10-GMT	
Fair	Fair	40%	1	0-1-2	Fuzzy / 3	SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	10:05 -PDT	17:05-GMT	
Fair	Fair	40%	1	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 5 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	10:30 -PDT	17:30-GMT	Images: 8063 - 8089
Fair	Fair	40%	1	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 9 — nd calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	12:28 -PDT	19:28-GMT	
Fair	Fair	80%	1	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 3 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	13:55 -PDT	20:55-GMT	
Fair	Fair	80%	3	2-3	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	14:05 -PDT	21:05-GMT	Images: 8091- 8100
Fair	Fair	80%	3	2-3	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/2/2019-GMT	
Poor	Poor	40%	4	3-4	Fuzzy / 3	Day	T	Effort Hours 8:00	

May 02 Day 79 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:11 -PDT	16:11-GMT	
Fair	Poor	80%	1	0-1	Fuzzy / 3	SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:48 -PDT	16:48-GMT	
Fair	Poor	80%	1	0-1	Fuzzy / 3	SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	10:28 -PDT	17:28-GMT	Images: 8102 - 8115
Fair	Poor	80%	1	0-1	Fuzzy / 3	SD	bottlenose dolphin (Tt)		Total dolphins 8 — 1 calf at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	16:10 -PDT	23:10-GMT	Images: 8137 - 8152
Fair	Poor	40%	3	2-3	Fuzzy / 3	S	gray whale (Er) (northbound)		Total whales 2 — 1 calf at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	16:49 -PDT	23:49-GMT		
Fair	Poor	40%	3	2-3	Fuzzy / 3		SD	bottlenose dolphin (Tt)		Total dolphins 5 — nd calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/3/2019-GMT		
Fair	Poor	40%	3	2-3	Fuzzy / 3	Day	T	Effort Hours 8:00		

May 03 Day 80 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:05 -PDT	16:05-GMT		
Fair	Poor	100%	1	0-1	Fuzzy / 2		SW	humpback whale (Mn)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:06 -PDT	16:06-GMT		
Fair	Poor	100%	1	0-1	Fuzzy / 2		SD	common dolphin, species not determined		≈Total dolphins 1500 — calves not determined
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	09:27 -PDT	16:27-GMT		
Fair	Poor	100%	1	0-1	Fuzzy / 2		SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	09:28 -PDT	16:28-GMT		
Fair	Poor	100%	1	0-1	Fuzzy / 2		SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	09:33 -PDT	16:33-GMT		
Fair	Poor	100%	1	0-1	Fuzzy / 2		SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	09:38 -PDT	16:38-GMT		
Fair	Poor	100%	1	0-1	Fuzzy / 2		SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	14:14 -PDT	21:14-GMT		
Fair	Fair	0%	2	0-1-2	Fuzzy / 3		SD	bottlenose dolphin (Tt)		Total dolphins 5 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	08	15:47 -PDT	22:47-GMT		
Fair	Fair	0%	3	2-3	Fuzzy / 3		SD	bottlenose dolphin (Tt)		Total dolphins 5 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/4/2019-GMT		
Fair	Fair	0%	3	2-3	Fuzzy / 3	Day	T	Effort Hours		

May 04 Day 81 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:05 -PDT	16:05-GMT		
Fair	Poor	100%	1	0-1-2	Fuzzy / 3		SP	harbor seal (Pv)		Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	15:29 -PDT	22:29-GMT		
Fair	Poor	100%	2	0-1-2	Fuzzy / 3		SD	bottlenose dolphin (Tt)		Total dolphins 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/5/2019-GMT		
Fair	Fair	20%	3	1-2-3	Fuzzy / 3	Day	T	Effort Hours 8:00		

May 05 Day 82 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:04 -PDT	16:04-GMT		
Poor	Poor	100%	1	1-2	Fuzzy / 3		SP	harbor seal (Pv)		Total seals 2 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	10:21 -PDT	17:21-GMT		
Fair	Fair	80%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	10:55 -PDT	17:55-GMT <a href="#">Images: 8173 - 8247</a>		
Fair	Fair	40%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 1 calf at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	13:42 -PDT	20:42-GMT <a href="#">Images: 8262 - 8314</a>		
Fair	Fair	80%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 2 — 1 calf at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	14:17 -PDT	21:17-GMT <a href="#">Images: 8316 - 8325</a>		
Fair	Fair	80%	1	0-1-2	Fuzzy / 3		S	gray whale (Er) (northbound)		Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	16:22 -PDT	23:22-GMT		
Fair	Fair	100%	1	0-1-2	Fuzzy / 3		SW	humpback whale (Mn)		Total whales 3 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	16:30 -PDT	23:30-GMT		
Fair	Fair	100%	1	0-1-2	Fuzzy / 3		SD	common dolphin, species not determined		≈Total dolphins 1000 — calves not determined
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/6/2019-GMT		
Fair	Fair	100%	1	0-1-2	Fuzzy / 3	Day	T	Effort Hours 8:00		

May 06 Day 83 of 99

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality Fair	Contrast Poor	CCvr 80%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01	11:56 -PDT SD	18:56-GMT bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Quality Fair	Contrast Good	CCvr 60%	Bft 4	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	02	15:24 -PDT SP	22:24-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Not Acceptable	Contrast Good	CCvr 60%	Bft 5	Bft Mix 3-4	Horiz - Vis Fuzzy / 3	End Day	16:21 -PDT T	23:21-GMT Effort Hours 6:01	

May 07 Day 84 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day	09:00 -PDT T	16:00-GMT Effort Hours 0:00	
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May 08 Day 85 of 99

Quality Fair	Contrast Fair	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01	09:25 -PDT SP	16:25-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	02	10:00 -PDT SP	17:00-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	10:08 -PDT SW	17:08-GMT humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 100%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	04	14:08 -PDT SD	21:08-GMT bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 100%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	05	14:27 -PDT SD	21:27-GMT bottlenose dolphin (Tt) <span style="color: red;">Images: 8392 - 4</span>	Total dolphins 8 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 100%	Bft 3	Bft Mix 2-3	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 5/9/2019-GMT Effort Hours 8:00	

May 09 Day 86 of 99

Quality Fair	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	01	09:01 -PDT SP	16:01-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	02	09:07 -PDT SD	16:07-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Quality Fair	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	03	09:56 -PDT S	16:56-GMT gray whale (Er) (northbound) <span style="color: red;">Images: 8396 - 8472</span>	Total whales 2 — 1 calf at sighting
Quality Fair	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	04	11:01 -PDT SO	18:01-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting
Quality Fair	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	05	12:07 -PDT SP	19:07-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1	Horiz - Vis Fuzzy / 3	06	13:02 -PDT SD	20:02-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Quality Fair	Contrast Poor	CCvr 100%	Bft 1	Bft Mix 0-1-2	Horiz - Vis Fuzzy / 3	End Day	17:00 -PDT T	0:00; 5/10/2019-GMT Effort Hours 8:00	

May 10 Day 87 of 99

Quality Fair	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Sharp / 3	01	09:17 -PDT SW	16:17-GMT humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Quality Fair	Contrast Poor	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Sharp / 3	02	09:46 -PDT SP	16:46-GMT harbor seal (Pv) <span style="color: red;">Images: 8482 - 8498</span>	Total seals 1 — 0 pups at sighting
Quality Fair	Contrast Fair	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Sharp / 3	03	13:04 -PDT SD	20:04-GMT common dolphin, species not determined	≈Total dolphins 1000 — calves not determined
Quality Fair	Contrast Fair	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Sharp / 3	04	13:14 -PDT SD	20:14-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Quality Fair	Contrast Fair	CCvr 100%	Bft 0	Bft Mix 0-1	Horiz - Vis Sharp / 3	05	15:11 -PDT SO	22:11-GMT southern sea otter (EI)	Total otters 1 — 0 Pups at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/11/2019-GMT
Fair	Fair	100%	0	0-1	Sharp / 3	Day	T	Effort Hours 5:44

May 11 Day 88 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:06 -PDT	16:06-GMT	
Fair	Fair	0%	1	0-1	Fuzzy / 3		SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	09:35 -PDT	16:35-GMT	Images: 8508 - 8522
Fair	Fair	0%	1	0-1-2	Fuzzy / 3		SD	bottlenose dolphin (Tt)	Total dolphins 7 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	10:00 -PDT	17:00-GMT	
Fair	Fair	0%	1	0-1-2	Fuzzy / 3		SD	common dolphin, species not determined	≈Total dolphins 1000 — calves not determined
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	10:04 -PDT	17:04-GMT	
Fair	Fair	0%	1	0-1-2	Fuzzy / 3		SW	humpback whale (Mn)	Total whales 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	10:55 -PDT	17:55-GMT	
Fair	Fair	0%	1	0-1-2	Fuzzy / 3		SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	12:01 -PDT	19:01-GMT	
Fair	Fair	0%	1	0-1	Fuzzy / 3		SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	07	12:26 -PDT	19:26-GMT	
Fair	Fair	0%	1	0-1	Fuzzy / 3		SD	bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	08	12:28 -PDT	19:28-GMT	
Fair	Fair	0%	1	0-1	Fuzzy / 3		SD	bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/12/2019-GMT	
Fair	Fair	20%	0	0-1	Fuzzy / 3	Day	T	Effort Hours 8:00	

May 12 Day 89 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	10:23 -PDT	17:23-GMT	
Fair	Poor	60%	2	1-2	Fuzzy / 3		SD	bottlenose dolphin (Tt)	Total dolphins 8 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	11:21 -PDT	18:21-GMT	
Fair	Poor	100%	2	1-2	Fuzzy / 3		SD	common dolphin, species not determined	≈Total dolphins 150 — calves not determined
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	11:41 -PDT	18:41-GMT	
Fair	Poor	100%	2	1-2	Fuzzy / 3		SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/13/2019-GMT	
Fair	Fair	0%	3	1-2-3	Fuzzy / 3	Day	T	Effort Hours 8:00	

May 13 Day 90 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	01	09:58 -PDT	16:58-GMT	
Poor	Poor	100%	2	0-1-2	Indeterminate / 1.7		SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	02	10:32 -PDT	17:32-GMT	Images: 8548 - 8558
Poor	Fair	100%	2	0-1-2	Fuzzy / 2		SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	11:04 -PDT	18:04-GMT	Images: 8542 - 8546
Poor	Fair	100%	2	0-1-2	Fuzzy / 2		SD	bottlenose dolphin (Tt)	Total dolphins 4 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	04	13:33 -PDT	20:33-GMT	Images: 8560 - 8565
Fair	Fair	100%	2	0-1-2	Fuzzy / 3		SD	bottlenose dolphin (Tt)	Total dolphins 5 — 2 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	05	14:22 -PDT	21:22-GMT	Images: 8567 - 8579
Fair	Fair	100%	2	0-1-2	Fuzzy / 3		SD	bottlenose dolphin (Tt)	Total dolphins 7 — 1 calf at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	06	16:30 -PDT	23:30-GMT	
Fair	Fair	100%	2	0-1-2	Fuzzy / 3		SD	bottlenose dolphin (Tt)	Total dolphins 1 — 0 calves at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/14/2019-GMT	
Fair	Fair	100%	2	0-1-2	Fuzzy / 3	Day	T	Effort Hours 8:00	

May 14 Day 91 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	09:00 -PDT	16:00-GMT
						Day	T	Effort Hours 0:00

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

May 15 Day 92 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Poor	Poor	100%	1	0-1	Fuzzy / 3	01	09:36 -PDT SW	16:36-GMT humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Poor	Poor	100%	1	0-1	Fuzzy / 3	02	11:40 -PDT SW	18:40-GMT humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Poor	Fair	100%	1	0-1	Fuzzy / 3	03	12:48 -PDT SD	19:48-GMT bottlenose dolphin (Tt)	Total dolphins 1 — 0 calves at sighting
Poor	Fair	100%	0	0-1	Fuzzy / 3	04	12:56 -PDT SP	19:56-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Poor	Fair	100%	0	0-1	Fuzzy / 3	05	15:21 -PDT SD	22:21-GMT bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Poor	Fair	100%	0	0-1	Fuzzy / 3	End Day	17:00 -PDT T	0:00; 5/16/2019-GMT Effort Hours 8:00	

May 16 Day 93 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End Day			
Not Acceptable	Fair	20%	5	3-4-5	Sharp / 3	End Day	10:50 -PDT T	17:50-GMT Effort Hours 1:50	

May 17 Day 94 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Poor	0%	4	3-4	Sharp / 3	01	09:01 -PDT SD	16:01-GMT bottlenose dolphin (Tt)	Total dolphins 2 — 0 calves at sighting
Fair	Poor	0%	4	3-4	Sharp / 3	02	09:04 -PDT SP	16:04-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Fair	Poor	0%	4	3-4	Sharp / 3	03	09:52 -PDT SW	16:52-GMT humpback whale (Mn)	Total whales 3 — 0 calves at sighting
Fair	Poor	0%	4	3-4	Sharp / 3	04	09:55 -PDT SD	16:55-GMT bottlenose dolphin (Tt)	Total dolphins 8 — nd calves at sighting
Not Acceptable	Poor	60%	5	4	Sharp / 3	End Day	12:02 -PDT T	19:02-GMT Effort Hours 3:02	

May 18 Day 95 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	01	09:06 -PDT SP	16:06-GMT harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	02	09:20 -PDT SD	16:20-GMT common dolphin, species not determined	≈Total dolphins 1000 — calves not determined
Poor	Poor	100%	1	0-1-2	Fuzzy / 3	03	09:30 -PDT SW	16:30-GMT humpback whale (Mn)	Total whales 2 — 0 calves at sighting
Fair	Poor	60%	0	0-1-2	Fuzzy / 3	04	10:54 -PDT SD	17:54-GMT bottlenose dolphin (Tt)	Total dolphins 3 — 0 calves at sighting
Fair	Fair	100%	0	0-1	Fuzzy / 3	05	13:17 -PDT SD	20:17-GMT <a href="#">Images: 8625 - 8626</a> bottlenose dolphin (Tt)	Total dolphins 8 — 0 calves at sighting
Fair	Fair	100%	0	0-1	Fuzzy / 3	06	13:22 -PDT SD	20:22-GMT <a href="#">Images: 8628 - 8663</a> bottlenose dolphin (Tt)	Total dolphins 7 — 2 calves at sighting
Fair	Fair	100%	1	0-1	Fuzzy / 3	End Day	14:33 -PDT T	21:33-GMT Effort Hours 5:33	

May 19 Day 96 of 99

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis				
Fair	Good	20%	1	0-1-2	Sharp / 3	01	10:57 -PDT SD	17:57-GMT common dolphin, species not determined	≈Total dolphins 500 — calves not determined
Fair	Good	60%	1	0-1-2	Sharp / 3	02	11:37 -PDT S	18:37-GMT gray whale (Er) (northbound)	Total whales 1 — 1 calf at sighting

Sighting Codes S=gray whales, north SW=whales, other SD=dolphins SP=pinnipeds SO=sea otters V=vessels T=Terminate day

2019 All Sighting Numbers, Raw

Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	03	13:38 -PDT	20:38-GMT	
Fair	Good	20%	3	2-3	Sharp / 3		SP	harbor seal (Pv)	Total seals 1 — 0 pups at sighting
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	17:00 -PDT	0:00; 5/20/2019-GMT	
Fair	Fair	80%	4	3-4	Sharp / 3	Day	T	Effort Hours 6:05	
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May 20 Day 97 of 99									
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	09:00 -PDT	16:00-GMT	
Not Acceptable	Fair	0%	5	4-5	Sharp / 3	Day	T	Effort Hours 0:00	
<hr/>									
May 21 Day 98 of 99									
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	09:00 -PDT	16:00-GMT	
						Day	T	Effort Hours 0:00	
<hr/>									
May 22 Day 99 of 99									
Quality	Contrast	CCvr	Bft	Bft Mix	Horiz - Vis	End	09:00 -PDT	16:00-GMT	
Not Acceptable	Poor	0%	5	4-5	Sharp / 3	Day	T	Effort Hours 0:00	