



2009 Master Datasheet and Vessel Tracking Log with Entry Guides



part of 2009 Gray Whales Count, Survey Report © Gray Whales Count, 2013,
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Code		Species			Behaviors (cetaceans)		Quality		
B	Begin Count	Er	Gray whale (northbound)	<i>Eschrichtius robustus</i> , p 204	1	Slow travel	E	Excellent Minimum Visibility 3 nm	
W	Weather + Sea condition update	Er	Gray whale (southbound)	<i>Eschrichtius robustus</i> , p 204	2	Fast travel	G	Good Minimum Visibility 2 nm	
S	Sighting (Er northbound only)	Tt	Bottlenose dolphin	<i>Turciops truncatus</i> , p 358	3	Moderate travel	F	Fair Minimum Visibility 2 nm	
SC	Sighting (all other cetaceans, incl Er south)	El	Sea otter	<i>Enhydra lutris</i> p 42	4	Spyhop	P	Poor	
SV	Sighting Vessels	Mn	Humpback whale	<i>Megaptera novaeangliae</i> , p 208	5	Rolling			
SO	Sighting Sea Otters				6	Breach			
SP	Sighting Pinnipeds (rare: Ma; Cu)	ULW	unidentified large whale		7	Fluke	Beaufort Scale		
>	continues sighting (same number)	UC	unidentified cetacean		8	Bubbles seen	0	Sea like a mirror; glossy, no sparkles in sun;	
TO	Time Out: Suspend effort (survey)	D sp	Common dolphin species	<i>Delphinus</i> species not determined	9	Milling		sometimes like ice (less than 1 knot)	
TI	Time In: Resume effort (survey)	Dc	Common dolphin, Long-beaked	<i>Delphinus capensis</i> , p 392	10	Pec slap	1	Ripples with the appearance of scales are formed;	
T	Terminate: End of survey for day	Dd	Common dolphin, Short-beaked	<i>Delphinus delphis</i> , p 388	11	Tail lob		like sand paper; matte vs. zero-Beaufort gloss;	
		Lo	Pacific white-sided dolphin	<i>Lagenorhynchus obliquidens</i> , p 402	0	Still, not moving		sparkles in sun (1 - 3 knots)	
		Oo	Killer whale	<i>Orcinus orca</i> , p 436	Behaviors + Attributes (sea otters)		2	Small wavelets are becoming more articulated.	
		Page numbers refer to <i>Marine Mammals of the World</i> . Consult for rarer species.			30	with tags (note color + foot)		Crests have a glassy appearance: no white caps. (4 - 6 knots)	
					31	with gull(s)	3	Large wavelets: foam crests begin to appear,	
Direction of Travel		Vessel Types			32	Interacting (explain)		but are widely scattered. (7 - 10 knots)	
N	North (towards mainland)	1	Oil Services	17		33	Grooming	4	Small waves with more frequent white caps,
S	South (towards islands)	2	Barge/Tug	18		34	Swimming		but waves settle instead of breaking; foam along top edge;
E	East (towards Santa Barbara)	3	Whale watching	19		35	Diving		waves random, not yet organized (11 - 16 knots)
W	West (towards Point Conception)	4	Kelp harvester	20	Freighter	36	in kelp	5	Moderate waves begin to break with more white caps.
0	Not traveling, still	5		21	Kayak/Canoe (beyond kelp)	37	in open water		Becoming organized, lining up (17 - 21 knots)
		6	Private	22	Kite/Wind surfer - interacting	38	in surf zone		<i>Suspend effort. At this point, it is very difficult to see animals.</i>
Holly - Whale Route past		7	Dive-private	23	Sailboat	39	on back, resting	6	Many white caps all around with larger waves forming and
I	Inside (between shore + Holly)	8	Dive-commercial	24	Sailboat-motor	40	on back feeding (on what)		breaking. Much foam along lines of waves. (22 - 27 knots)
O	Outside (beyond Holly)	9	Dive-research	25	Jet ski	nd	not determined		
nd	not determined	10	Research vessel	26	Enforcement				
		11	Fish-commercial	27	Blimp	Visibility - Clairty of Horizon		Visability - Distance in nautical miles (nm)	
Buoys - Whale Route Past		12	Fish-trap-commercial	28	Helicopter	S	Sharp, very clear	3	Equal to or greater than 3 nm (<.1 reticles)
I	Inside (between shore + buoys)	13		29	Airplane	F	Fuzzy - haze and/or heat waves	2	Just beyond Holly: Between 2 and 3 nm (.2 to .1 reticles)
O	Outside (beyond buoys)	14		nd	not determined	NV	Not Visible - fog - in this condition,	1.7	At Holly or Campus Point (.25 reticles)
T	Through the buoys	15	Sportfish-commercial				not able to use reticle scale	1	Estimate (horizon likely not distinguishable)
nd	not determined	16	Sportfish-private					<1	Estimate (horizon likely not distinguishable)

