



part of **2007 Gray Whales Count, Survey Report** © Gray Whales Count, 2013, prepared by Michael H Smith, Project Coordinator, Gray Whales Count, Santa Barbara, California, USA.

GRAY WHALES COUNT - MASTER 2007 NORTHBOUND MIGRATION FROM COAL OIL POINT NATURAL RESERVE, GOLETA, CA DATE: 2007 ___ PAGE __ OF ___

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2007 Entry Guide Master Datasheet

Cod	e	Specie	es			Behaviors (cetaceans)			Quality				
В	Begin Count	Er Gray whale (northbound)			richtius robustus, p 204	1	1 Slow travel		Excellent Minimum Visibility 4 nm				
W	Weather + Sea condition update	Er	Gray whale (southbound)	Eschi	richtius robustus, p 204	2	Fast travel	G	Good Minimum Visibility 3 nm				
S	Sighting (Er northbound only)	Tt	Bottlenose dolphin	Turci	ops truncatus, p 358	9	Milling	F	Fair Minimum Visibility 2 nm				
SC	Sighting (all other cetaceans, incl Er south)	El	Sea otter	Enhy	dra lutris p 42			Р	Poor				
SV	Sighting Vessels	Mn	Humpback whale	Mega	aptera novaeangliae, p 208	3	Pec slap						
so						4	Spyhop	Spyhop Beaufort Scale					
SP	Sighting Pinnipeds (rare: Ma; Cu)	ULW	unidentified large whale			5	Rolling	0	Sea like a mirror; glossy, no sparkles in sun;				
>	continues sighting (same number)	UC	unidentified cetacean			6	Breach		sometimes like ice (less than 1 knot)				
то	Time Out: Suspend survey	D sp	Common dolphin species	Delp	hinus species not determined	7	Fluke	1	Ripples with the appearance of scales are formed;				
TI	Time In: Resume survey	Dc	Common dolphin, Long-beaked	Delp	hinus capensis, p 392	8	Bubbles seen		like sand paper; matte vs. zero-Beaufort gloss;				
Т	Terminate: End of survey for day	Dd			hinus delphis, p 388	10	Mud plume		sparkles in sun (1 - 3 knots)				
		Lo	Pacific white-sided dolphin	Lagenorhynchus obliquidens, p 402			Lob tail		Small wavelets are becoming more articulated.				
		Oo	Killer whale	Orcir	nus orca, p 436				Crests have a glassy appearance: no white caps. (4 - 6 knots)				
		Page n	umbers refer to Marine Mammals of t	he Wo	orld. Consult for rarer species.	0	Still, not moving	3	Large wavelets: foam crests begin to appear,				
									but are widely scattered. (7 - 10 knots)				
Dire	Direction of Travel		Types			Sea Otter Attributes + Behavior			Small waves with more frequent white caps,				
N	North (towards mainland)	1	Oil Services	17		30	with tags (note color + foot)		but waves settle instead of breaking; foam along top edge;				
S	South (towards islands)	2	Barge/Tug	18		31	with gull(s)		waves random, not yet organized (11 - 16 knots)				
E	East (towards Santa Barbara)	3	Whale watching	19		32	Interacting (explain)	5	Moderate waves begin to break with more white caps.				
W	West (towards Point Conception)	4	Kelp harvester	20	Freighter	33	Grooming		Becoming organized, lining up (17 - 21 knots)				
0	Not traveling, still	5		21	Kayak/Canoe (beyond kelp)	34	Swimming						
		6	Private	22	Kite/Wind surfer - interacting	35	Diving	Sus	spend effort. At this point, it is very difficult to see animals.				
Holl	y - Whale Route past	7	Dive-private	23	Sailboat	36	in kelp	6	Many white caps all around with larger waves forming and				
I	Inside (between shore + Holly)	8	Dive-commercial	24	Sailboat-motor	37	in open water		breaking. Much foam along lines of waves. (22 - 27 knots)				
0	Outside (beyond Holly)	9	Dive-research	25	Jet ski	38	in surf zone						
nd	not determined	10	Research vessel	26	Enforcement	39	on back, resting						
		11	Fish-commercial	27	Blimp	40	on back feeding (on what)						
Buo	Buoys - Whale Route Past		Fish-trap-commercial	28	Helicopter	nd	not determined						
I	Inside (between shore + buoys)	13		29	Airplane								
0	Outside (beyond buoys)	14		nd	not determined								
Т	Through the buoys	15	Sportfish-commercial										
nd	not determined	16	Sportfish-private										

2007 Entry Guide Vessel Tracking Log

Dir	ection of Travel	Ves	sel Codes					
Ν	North (towards mainland)	1	Oil Services	11	Fish-commercial	21	Kayak/Canoe (beyond kelp)	
S	South (towards islands)	2	Barge/Tug	12	Fish-trap-commercial	22	Kite/Wind surfer - interacting	
Ε	East (towards Santa Barbara)	3	Whale watching	13		23	Sailboat	
W	West (towards Pt Conception)	4	Kelp harvester	14		24	Sailboat-motor	
0	Still, anchored (not travelling)	5		15	Sportfish-commercial	25	Jet ski	
		6	Private	16	Sportfish-private	26	Enforcement	
		7	Dive-private	17		27	Blimp	
		8	Dive-commercial	18		28	Helicopter	
		9	Dive-research	19		29	Airplane	
		10	Research vessel	20	Freighter	nd	not determined	
	imal Sighting Number	Ves	sel Action to Anima	<u> </u>		Ani	mal Reaction to Vessel	
(p	otential interaction)	0	None apparent			0	None apparent	
0	None apparent (no animals near vessel)	1	Change course to view a	nimal		1	Aviodance of boat	
~	Enter Sighting Number of affected animal(s)	2	Change course to avoid	anima	ıl	2	Approach boat	
		3	Approach head on			3	Alteration of normal activities	
		4	Approach from rear			4	Quick dive	
		5	Approach at side			5	Long downtime	
		6	Approach parallel			9	Contact boat	
		7	Approach inside 100 m			10	Disappear	
		8	Travel over submerged a	nima	<u> </u>	11	Tail lob	
		9	Contact animal			13	Pec slap	
		10				14	Spyhop	
		11	Hovering above			15	Rolling	
		12	Flying below 1000 feet			16	Breach	
		13	Flying below 100 feet			17	Fluke	
		nd	not determined			nd	not determined	

GRAY WHALES COUNT - VESSEL LOG - 2007 NORTHBOUND MIGRATION, COAL OIL POINT RESERVE, GOLETA, CA DATE: 2007 ___ PAGE __ OF ___ Vessel Reaction to Animal1
Vessel Reaction to Animal2
Vessel Reaction to Animal3 Sighting Number - Master - Mas Vessel Reaction to Animal4 Interaction Sight Number Direction of Travel1 Animal Behavior1 Animal Behavior2 Animal Behavior3 Animal Behavior4 Image Numbers Name/Number Comments