2010 Master Datasheet and Vessel Tracking Log with Entry Guides



part of **2010 Gray Whales Count, Survey Report** © Gray Whales Count, 2013, prepared by Michael H Smith, Project Coordinator, Gray Whales Count, Santa Barbara, California, USA.

Guide to Codes for Master Datasheet

Weather + Sea Conditions

Quality									
Е	Excellent -Min Vis 3 nm								
G	Good -Min Vis 2 nm								
F	Fair -Min Vis 1.7 nm								
Р	Poor								

No	ote: Just because you can see 3 nm does not make it Excellent, etc.											
Ве	eaufort Scale											
0	Sea like a mirror; glossy, no sparkles in sun; sometimes like ice (less than 1 knot)											
1	Ripples with the appearance of scales are formed; like sand paper; matte, darker vs. zero-Beaufort gloss, lighter; sparkles in sun (1 - 3 knots)											
2	small wavelets are becoming more articulated. Crests have a glassy appearance: no whitecaps. (4 - 6 knots)											
3	First whitecaps, large wavelets; foam crests begin to appear, but are widely scattered. Mostly dots. (7 - 10 knots)											
4	Small waves with more frequent whitecaps - always apparent - but waves settle instead of breaking; foam along top edge; dots + dashes, waves random, not yet organized (11 - 16 knots)											
5	Moderate waves begin to break with more whitecaps. Becoming organized, lining up (17 - 21 knots)											
	Suspend effort. At this point, it is very difficult to see animals.											
6	Many whitecaps all around with larger waves forming and breaking. Much foam along lines of waves. (22 - 27 knots)											
Н	orizon - Clarity											
S	Sharp, very clear											
F	Fuzzy - haze and/or heat waves											
N'	V Not Visible - rain, fog, or heavy haze- in this condition, not able to use reticle scale											
Vi	sibility - Distance in nautical miles (nm)											
3	Equal to or greater than 3 nm (<.1 reticles)											
2	Just beyond Holly: Between 2 and 3 nm (.2 to .1 reticles)											
1.	7 At Holly or Campus Point (.25 reticles)											
1	Estimate (horizon likely not distinguishable)											
<	1 Estimate (horizon likely not distinguishable)											

Code

В	Begin Count
w	Weather + Sea condition update
S	Sighting (Er northbound only)
SC	Sighting (all other cetaceans, incl Er south)
SV	Sighting Vessels
	Sighting Sea Otters
SP	Sighting Pinnipeds (Harbor seals [Pv] + rare [Ma; Cu])
>	Continues sighting (same number)
TO	Time Out: Suspend survey effort
TI _	Time In: Resume survey effort
ΙT	Terminate: End of survey for day

Cue (what did you see first?)											
1	Blow										
2	Body										
3	Breach (leap)										
4	Splash										
	Note if you saw marine mammal because of birds, a tip from passerby, whale watching boat, or other										

Direction of Travel										
N	North ↓ (towards mainland)									
S	South 1 (towards islands)									
Е	East ← (towards Santa Barbara)									
W	West → (towards Point Conception)									
0	Not traveling, still									

Species

(Er	Gray whale (northbound)	Eschrichtius robustus, p 204
Er	Gray whale (southbound)	Eschrichtius robustus, p 204
Tt	Bottlenose dolphin	Tursiops truncatus, p 358
El	Sea otter	Enhydra lutris p 42
Pv	Harbor seal	Phoca vitulina, p 118
Mn	Humpback whale	Megaptera novaeangliae, p 208
ULW	unidentified large whale	
UC	unidentified cetacean	
UD	unidentified dolphin	
D sp	Common dolphin species	Delphinus species not determined
Dc	Common dolphin, Long-beaked	Delphinus capensis, p 392
Dd	Common dolphin, Short-beaked	Delphinus delphis, p 388
Lo	Pacific white-sided dolphin (Lags)	Lagenorhynchus obliquidens, p 402
Oo	Killer whale (Orca)	Orcinus orca, p 436

Page numbers refer to Marine Mammals of the World. Consult for rarer species.

Behaviors

Whales		Dol	phins	Sea	otters	Pin	nipeds
				30	with tags (note color + foot)	50	on sand
1	Slow travel	21	Slow travel	31	swimming	51	Slow travel
2	Moderate travel	22	Moderate travel	32	Interacting (explain)	52	Moderate travel
3	Fast travel	23	Fast travel	33	Grooming	53	Fast travel
4	Spyhop	24	with Er	34	with gull(s)	54	with Er
5	Rolling	25	Foraging	35	Diving	55	Dive
6	Breach	26	Leap	36	in kelp	56	in kelp
7	Fluke	27	Chorus line	37	in open water	57	in open water
8	Bubbles seen	28	Parade line	38	in surf zone	58	in surf zone
9	Milling	29	Milling	39	on back, feeding (what?)	59	Milling
10	Pec slap			40	on back, resting		
11	Tail lob						
0	Not traveling, still	0	Not traveling, still	0	Not traveling, still	0	Not traveling, still

Wh	ale Route past Holly	Whale Route past Buoys								
ı	Inside (between shore + Holly)	ı	Inside (between shore + buoys)							
0	Outside (beyond Holly)	0	Outside (beyond buoys)							
		Т	Through the buoys							
nd	not determined	nd	not determined							

Usually last entry of tracking northbound gray whales

Direction of Travel	Ves	Vessel Codes											
N North (towards mainland)	1	Oil Services	11	Fish-commercial	Kayak/Canoe (beyond kelp)								
S South (towards islands)	2	Barge/Tug	12	Fish-trap-commercial	22	Kite/Wind surfer – interacting							
E 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							
Animal Sighting Number	Ves	sel Action to Animal			Animal Reaction to Vessel								
(potential interaction)	0	None apparent			0	None apparent							
None apparent (no animals near vessel)	1	Change course to view ani	mal		1	Aviodance of boat							
~ Enter Sighting Number of affected anima	(s) 2	Change course to avoid an	imal		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 ani	mal		11	Tail lob							
	9	Contact animal			13	Pec slap							
	10				14	Spyhop							
	11	Hovering above			15	Rolling							
	12	Flying below 1000 feet			16	Breach							
		Flying below 100 feet			17	Fluke							
		not determined			nd	not determined							

GRAY WHALES COUNT - VESSEL LOG

2010 NORTHBOUND MIGRATION COUNTER POINT, COAL OIL POINT NATURAL RESERVE, GOLETA, CA

DATE: 2010 ____ PAGE ___ OF ___

SIGHT NUMB	VESSEL	SUB TYPE	Тіме	BERING	RETCLI	E DIR	ANML S#	VESSE ACTIO	L N	ANIMAL BHVR	Тіме	BERIN	IG RETC	LE DIR	ANML S#	VESSE	EL AN	NIMAL SHVR	Тіме	BERIN	IG RETC	LE DIR	ANML S#	VESSE	EL A	NIMAL BHVR	Тіме	BERIN	G RETCL	E DIR	ANML S#	VESSEL ACTION	ANIMAL BHVR	TIME	BERIN	RETCLE D	ANML	VES ACT	SEL	ANIMAL BHVR
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