HARBOR PORPOISE PROJECT: Marine Mammal & Bird Observation Form

Date	Start Time	Tidal Current	Stop Time	Tidal Current	Observer Name	Beaufort#	Wind Speed	Wind Direction	Sun/Cloud	Temp	Total #HP	General Notes	Location Code or Name	Sector Radius	Bearing: Max Left	Bearing: Max Right

Hour	Minute	HP Group 1			HP Group 2			HP Group 3			HP Group 4			# Other Marine Mammals				# Birds				#Boats	Notes
		Bearing	# HP	Beh	Bearing	# HP	Beh	Bearing	# HP	Beh	Bearing	# HP	Beh	Harbor Seal	River Otter	Sea Lion	Orca	Bird: Shore	Bird: Duck-like	Bird: Gull-like	Bird: Raptor	Engine powered	
	1																						
	11																						
	21																						
	31																						
	41																						
	51																						
	1																						
	11																						
	21																						
	31																						
	41																						
	51																						
	1																						
	11																						
	21																						
	31																						
	41																						
	51																						

Start/Stop Time: use 24 hour clock time notations - no characters, no spaces, only numbers - E.g. write 2:30 PM as 1430, 9:30 AM as 0930

Hour column: use 24 hour clock time notations - no characters, only numbers - for hour only enter the 2 digits for the hour E. G. for 2:00 PM enter 14, for 0900 enter 09

Tidal current: 1 = very strong, 2 = moderate, 3 = not perceptible. Temp: Use ºF. Sun/Cloud: 1= sunny and clear; 2=partially cloudy; 3=overcast; 4=overcast & precipitation.

Wind Speed: Use MPH. Use one number - not a range. Wind direction is where the wind is coming **from (e.g. NW, S, E)**. Use personal weather station or look up nearby station on www.wunderground.com

Beaufort Number: Use one number - not a range. Beaufort: 0 = glassy, 1 = slight waves, 2 = larger waves - not breaking, 3 = scattered whitecaps - stop observing.

Bearing: position of object relative to observer's location; use degrees clockwise from due North (0º), to the nearest 5º. | Location Name: use 4-char code, HOME, or placenam | Sector Radius: must be between 100 m and 1000 m

Harbor Porpoise Behavior (Beh): Foraging (F), Travel (T) Social (S). Enter other mammal and bird behavior in notes, e.g. swimming, flying, resting.

Copy data into Excel and send as attachment to: Aileen Jeffries - aileen@pacificbio.org   and   Harbor Porpoise Project - porpoise@pacificbio.org   **www.pacificbio.org**