

Magnetic Course & Nautical Miles

For reference only (not for use in navigation)

	West End N33°29.00' W118°37.00'	Isthmus N33°26.50' W118°29.75'	Long Pt. N33°24.35' W118°21.92'	Avalon N33°20.83' W118°19.42'	East End N33°17.80' W118°18.60'
Marina Del Rey N33°57.50' W118°28.00'	181/001 30 NM	163/348 30 NM			
Redondo Beach (Bell buoy #1) N33°50.30' W118°23.80'	194/014 24 NM				
Los Angeles/San Pedro (LA - approach buoy) N33°42.00' W118°14.50'	221/041 23 NM	204/024 20 NM	184/004 19 NM	175/355 22NM	172/352 24 NM
Long Beach (LB - approach buoy) N33°42.10' W118°11.00'	222/042 26 NM	209/029 22 NM	192/012 21 NM	183/003 23 NM	179/359 25 NM
Newport Beach (Bell buoy #1) N33°35.10' W117°52.60'	247/067 37 NM	241/061 32 NM	232/052 27 NM	222/042 26.7 NM	218/038 27.8 NM
Dana Point (1/2 M off) N33°26.80' W117°41.50'	258/078 45 NM	256/076 39 NM	251/071 34 NM	244/064 31 NM	241/061 32.5 NM
Oceanside (Whistle buoy #2) N33°12.10' W117°24.50'		271/091 58 NM	270/090 51 NM	268/088 47 NM	264/084 45.8 NM
Point Loma N32°39.80' W117°14.50'			296/116 71 NM	294/114 68 NM	292/112 66 NM