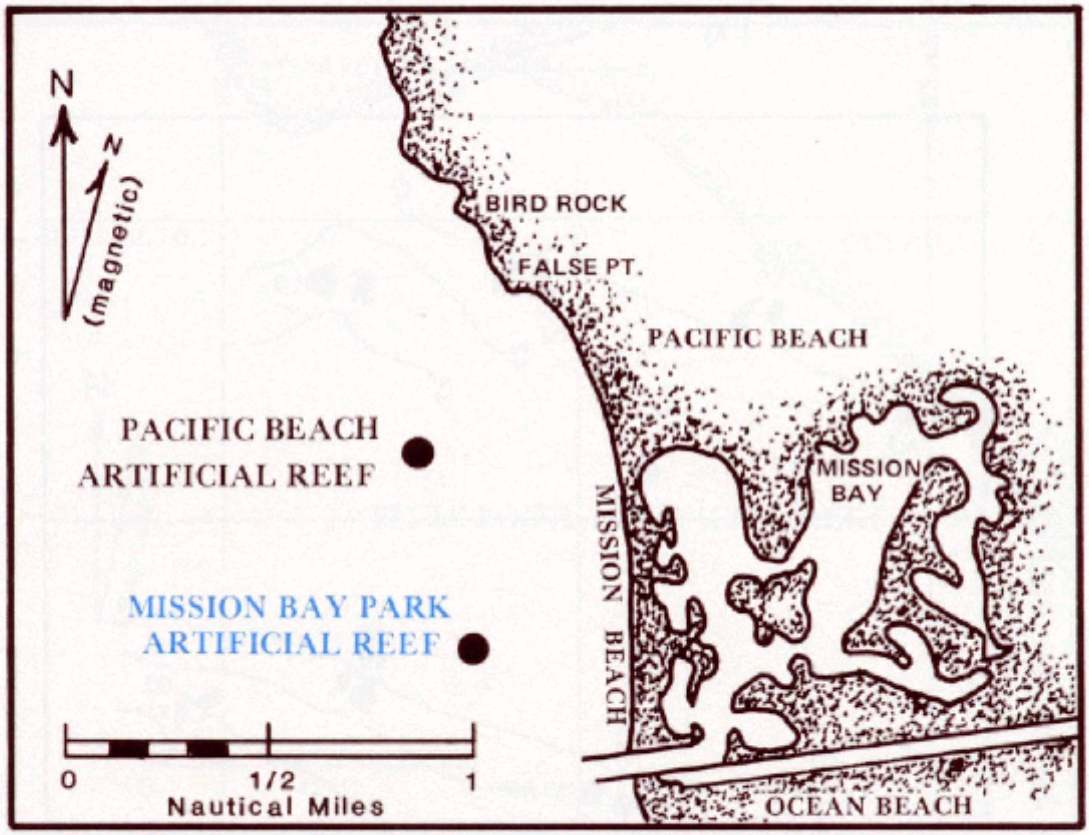
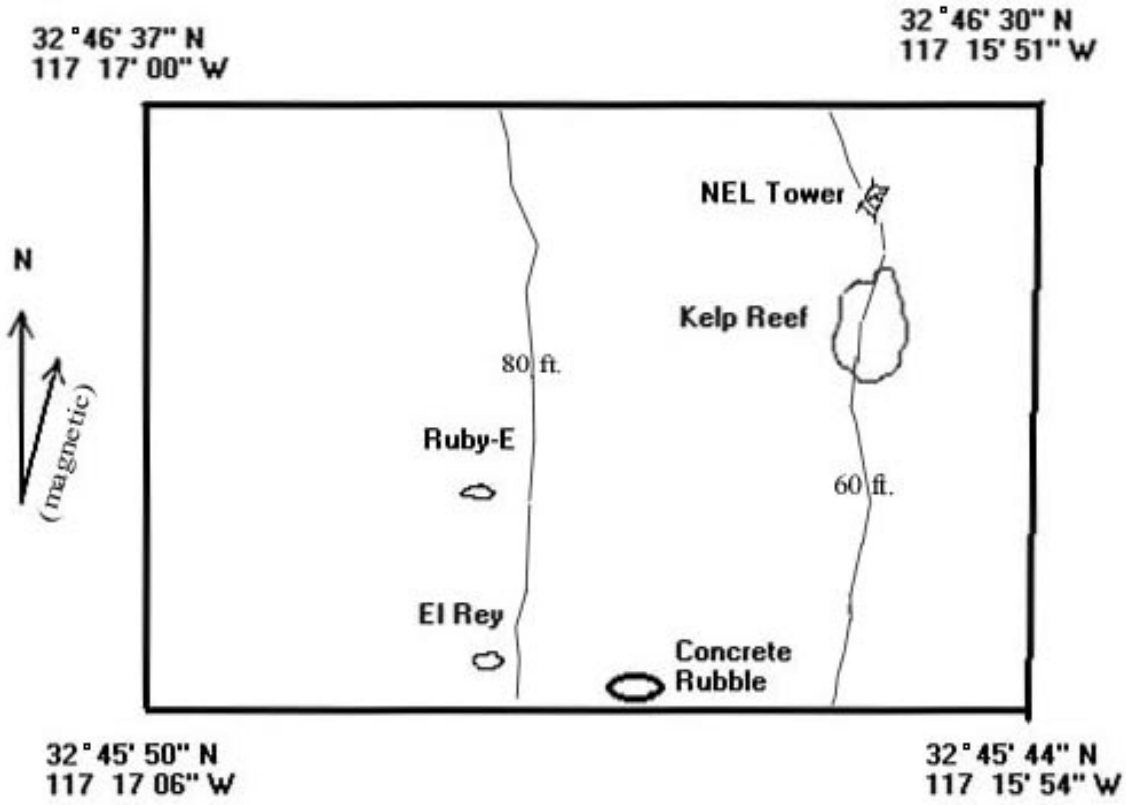
MISSION BAY PARK ARTIFICIAL REEF



Center Coordinates	32° 46' 14" N x 117° 16' 18" W	**Depth**	80-90 ft. (MLLW)
Compass Bearing	324° (mag), 1 N miles from Mission Bay entrance		
Year Constructed	1987	**Area**	173 acre site

Materials Used Three sunken vessels and concrete rubble.

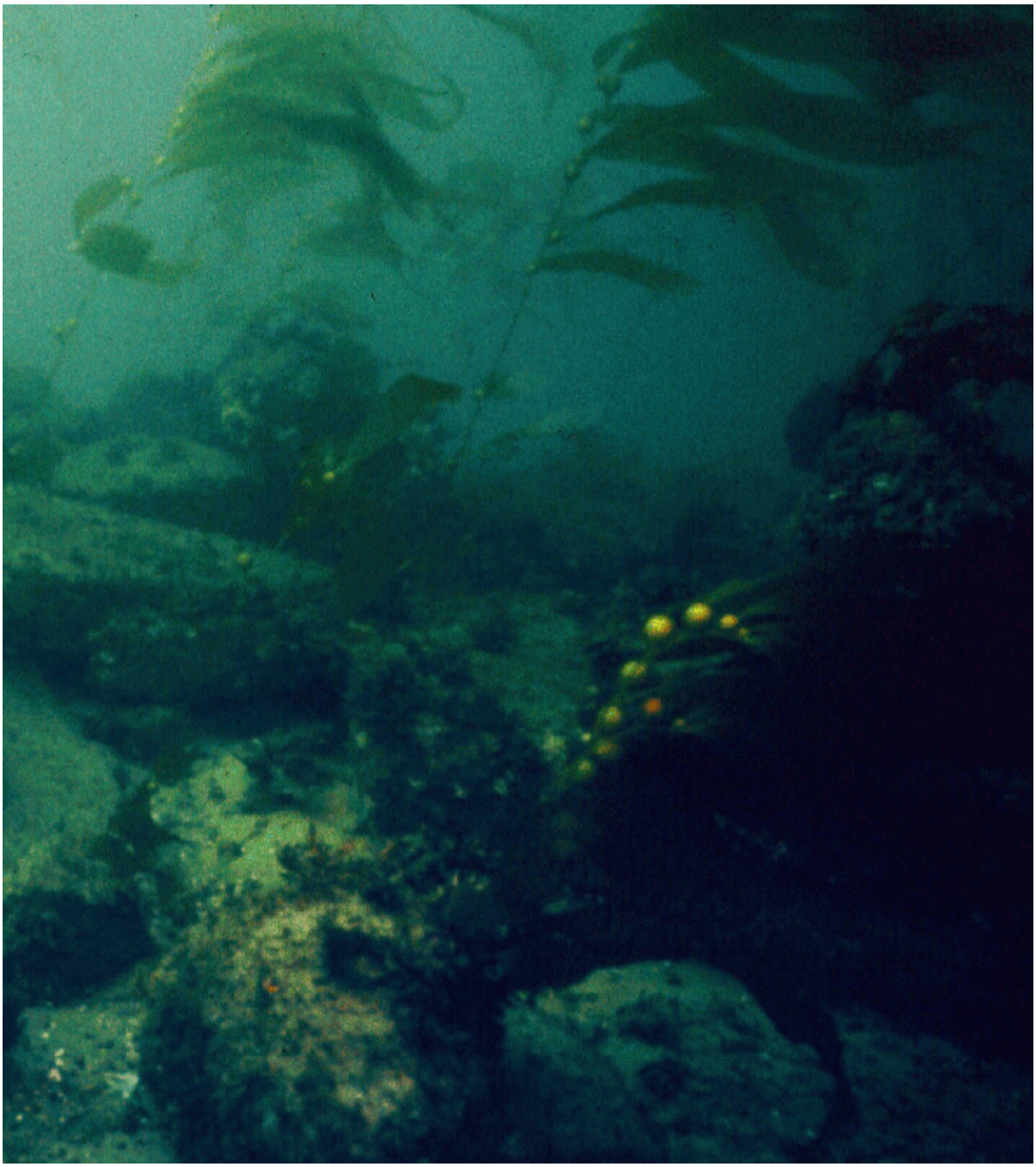
Comments The original reef consisted of three sunken vessels. Concrete rubble has been added periodically since. Most notable was the 1992 addition of 9000 tons of concrete roadway rubble. This was scattered over 11 acres at a 60 ft. depth. Shortly after the material was placed, it began growing kelp, and has remained a kelp bed since. It became the focus of much research, prior to the construction of the Southern California Edison mitigation kelp reef off San Clemente, since the Mission Beach Kelp Reef represents the first time kelp has been sustained for more than a couple of years on an artificial reef in the United States.



Coordinates:

Kelp Reef	32° 46' 12" N	117° 16' 04" W
NEL Tower	32° 46' 22" N	117° 16' 03" W
Ruby-E	32° 46' 02" N	117° 16' 36" W
El Rey	32° 45' 51" N	117° 16' 38" W
Pier Pilings	32° 45' 51" N	117° 16' 31" W

Notes



The Kelp Bed Reef at Mission Beach Artificial Reef in1995.