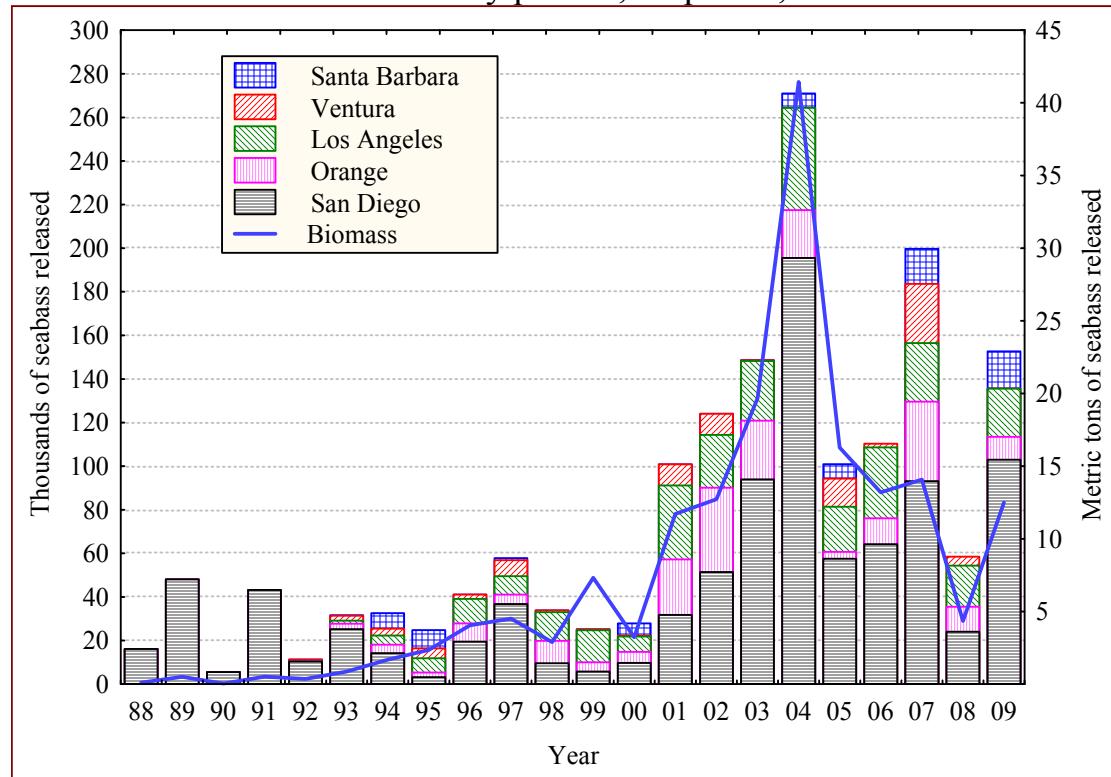




## White Seabass Release-Recapture Facts

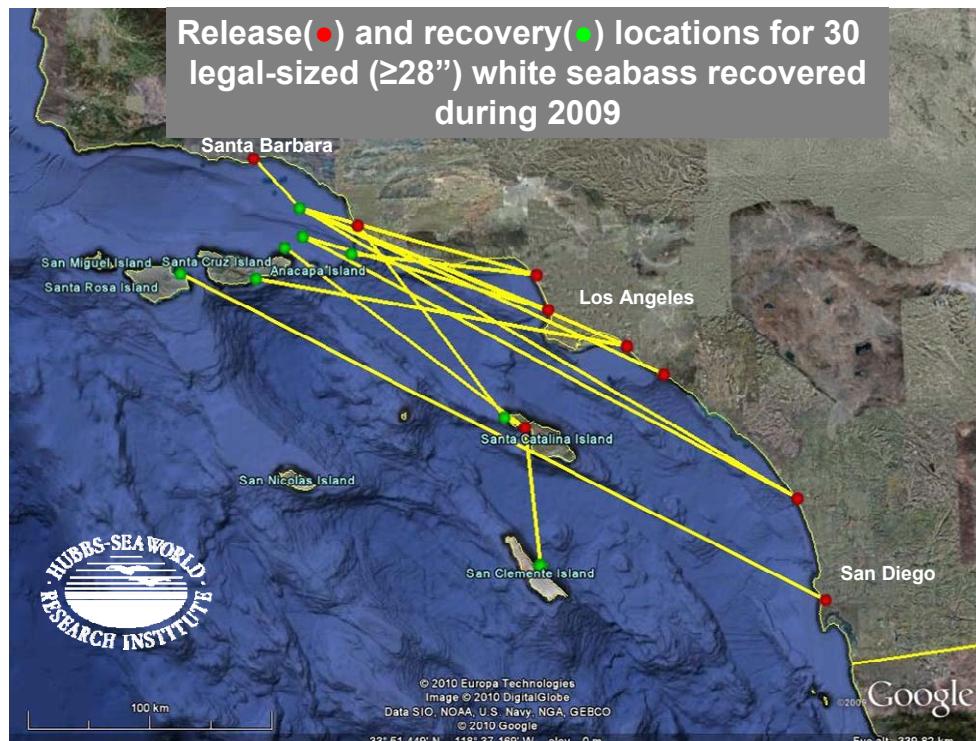
The first experimental release of more than 2,000 juvenile white seabass took place in October of 1986 in Mission Bay (San Diego, CA). Since then, the program has released over one million juvenile white seabass into embayments and near-shore coastal areas in southern California.

In October of 1995, the Leon Raymond Hubbard, Jr. Marine Fish Hatchery in Carlsbad, CA became operational. Built on land donated by the San Diego Gas & Electric adjacent to Agua Hedionda Lagoon, the hatchery is capable of producing more than 350,000 juvenile white seabass annually. A major portion of the capital costs for the expansion was provided by the owners of the San Onofre Nuclear Generating Station (Southern California Edison, San Diego Gas & Electric, and the cities of Anaheim and Riverside) as part of a mitigation requirement. Contributions were also made by private, corporate, and foundation donors.



**Figure 1.** Number of hatchery-reared white seabass released into the ocean by coastal county in southern California since 1988.

Since 1986 hatchery-reared white seabass have been released into the bays and nearshore coastal areas of southern California. Over 1,800 of these hatchery-reared white seabass have been recovered! Figure 2 below shows the release and recovery locations for 30 legal-sized ( $\geq 28"$ ) white seabass caught in southern California in 2009. Some of these individuals were caught as earlier as 3 years after their release while others were at liberty for over 11 years before they were recovered.



**Figure 2.** Release and recapture location of 30 legal-sized white seabass recovered along the southern California coast in 2009.

In general, white seabass move north and south along the coast from their release sites. While some white seabass have been caught near their site of release several years later, others have been recovered over 150 nautical miles away just 18 months after release. A few individuals have even moved from one bay to another along the coast. Hatchery-reared white seabass released at Santa Catalina Island have been recovered along the mainland within a few months.

The Ocean Resources Enhancement and Hatchery Program (OREHP) is one of the few stocking programs dedicated to assessing the biological and economic impacts of its releases, and it is the only program of its kind on the west coast of North America. Through its responsible approach and extensive, self-imposed scientific review process, OREHP has established itself as a model for stocking programs worldwide.



## The Ocean Resources Enhancement and Hatchery Program (OREHP)

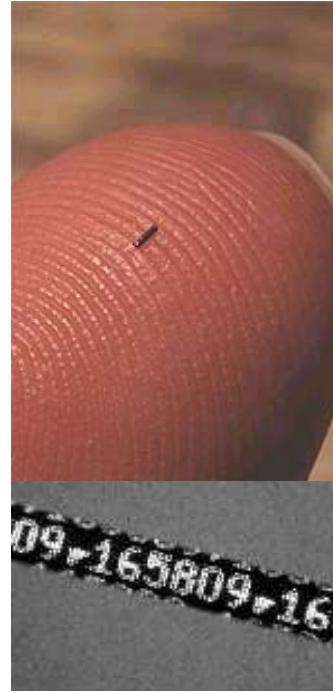
# ... Needs Your Assistance

Beginning in 1986 scientists at Hubbs-SeaWorld Research Institute started releasing cultured white seabass into coastal waters in southern California. Each fish is tagged internally in the cheek with a small, stainless steel coded wire tag (CWT). The purpose of this tag is to identify hatchery-reared fish from wild individuals. This CWT is not visible externally on the fish and can only be located by a specialized detection device. Some of the information obtained from tagged individuals includes their movement, diet, growth, and most importantly, survival rate. To date, we have received limited information, especially from legal-sized ( $\geq 28"$ ) individuals. This is where we need your help – we need white seabass heads!

We would appreciate your help in saving and freezing heads of adult white seabass with the stones/ear bines intact. We will scan these heads for tags, and collect the appropriate age and genetic stock information. To facilitate data interpretation, heads should be bagged and labeled with your name, phone number, date and location of capture. Heads can be dropped off at one of the many freezer locations throughout southern California (see back side of this page). We will be checking and removing the heads from the freezers on a regular basis. If we do find a tagged fish, we will notify you promptly.

Thank you very much for your support of this program. For more information please contact:

Mike Shane (619) 226-3946  
[mshane@hswri.org](mailto:mshane@hswri.org)



**Figure 3.** Coded wire tag – actual size and enlarged image.



# White Seabass Head Drop-off Locations with Freezers

Organization or Landing	Phone
<b>Santa Barbara</b>	
Calif. Dept. of Fish and Game	(805) 568-1221
Sea Landing	(805) 963-3564
<b>Ventura/Oxnard</b>	
Eric's Tackle Shop	(805) 648-5665
Papa Hook's Landing (formerly Captain Hook's)	(805) 382-6233
Channel Islands Sportfishing Center	(805) 985-8511
<b>Marina Del Rey</b>	
In Seine Bait Company	(310) 574-4443
Marina Del Rey Sportfishing	(310) 822-3625
Purfields Pro Tackle	(310) 397-6171
<b>Torrance/Redondo Beach</b>	
Redondo Beach Boat Hoist	(310) 374-3481
<b>San Pedro/Long Beach</b>	
22nd Street Sportfishing	(310) 832-8304
L.A. Harbor Sportfishing	(310) 547-9916
Long Beach Sportfishing	(562) 432-8993
Pierpoint Landing	(562) 983-9300
United Anglers of So. Calif. offices	(562) 494-9900
<b>Santa Catalina Island</b>	
Avalon Seafood (at the end of the green pier)	(310) 510-0197
Two Harbors (harbor patrol office on the pier)	(310) 510-4211
<b>Los Alamitos/Huntington Beach</b>	
Calif. Dept. of Fish and Game	(562) 342-7111
Pacific Edge Bait & Tackle	(714) 840-4262
Mako Matt's Marine	(714) 893-7743
<b>Newport Beach/Irvine</b>	
Angler's Center	(949) 642-6662
Davey's Locker	(949) 673-1434
Newport Landing Sportfishing	(949) 675-0550
<b>Dana Point</b>	
Dana Wharf Sportfishing	(949) 496-5794
Hogan's Bait & Tackle	(949) 493-3528
Jig Stop Tackle & Tours	(949) 496-3555
<b>Oceanside/Carlsbad/Solana Beach</b>	
Helgren's Sportfishing	(760) 722-2133
Leon Raymond Hubbard, Jr. Hatchery	(760) 434-9501
Blue Water Tackle	(858) 350-8505
<b>San Diego</b>	
Dana Landing (Mission Bay)	(619) 226-2929
Hubbs-SeaWorld Research Institute	(619) 226-3870
Calif. Dept. of Fish and Game	(858) 467-4201



If you drop-off a white seabass head at any of these locations please include your name, phone number, date you caught the fish, and the location (latitude and longitude would be the best) where you caught the fish.