United States Department of the Interior

National Park Service

National Register of Historic Places **DRAFT Registration Form**



This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in National Register Bulletin, How to Complete the National Register of Historic Places Registration Form. If any item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional certification comments, entries, and narrative items on continuation sheets if needed (NPS Form 10-900a).

1. Name of Property		
historic name Pilot		
other names/site number N/A		
2. Location		
street & number MARITIME MUSEUM OF SAN DIEGO 149	92 N. Harbor Dr.	not for publication
city or town San Diego	·	nity
state California code CA county San	Diego code 073	zip code _92101
3. State/Federal Agency Certification		
As the designated authority under the National Historic Pre	eservation Act, as amended,	
I hereby certify that this nomination request for defer registering properties in the National Register of Historic requirements set forth in 36 CFR Part 60.		
In my opinion, the property meets does not meet be considered significant at the following level(s) of signific		recommend that this property
national statewidelocal		
Signature of certifying official		
Title	State or Federal agency.	/bureau or Tribal Government
In my opinion, the property meets does not meet the National Re	gister criteria.	
Signature of commenting official	Date	
Title	State or Federal agency,	/bureau or Tribal Government
4. National Park Service Certification		
I, hereby, certify that this property is:		
entered in the National Register	determined eligible for the Nation	nal Register
determined not eligible for the National Register	removed from the National Regis	ster
other (explain:)		
-		
Signature of the Keeper	Date of Action	

Name of Property		County	and State
5. Classification			
Ownership of Property (Check as many boxes as apply)	Category of Property (Check only one box)	Number of Resources with (Do not include previously listed reso	in Property purces in the count.)
x private public - Local public - State public - Federal	building(s) district site x structure object	Contributing Noncontri	buting buildings district site structure object Total
Name of related multiple pro (Enter "N/A" if property is not part of a	operty listing a multiple property listing)	Number of contributing res listed in the National Regis	
6. Function or Use			
Historic Functions (Enter categories from instructions)		Current Functions (Enter categories from instructions)	
Transportation: Water related		Transportation: Water related	d
7. Description			
Architectural Classification (Enter categories from instructions) Other: Pilot Boat		Materials (Enter categories from instructions) foundation:	
Caron Fine Boat		walls: wood	
		roof: wood	
		other: wood	

	<u> </u>
Name of Property	County and State

Narrative Description

(Describe the historic and current physical appearance of the property. Explain contributing and noncontributing resources if necessary. Begin with **a summary paragraph** that briefly describes the general characteristics of the property, such as its location, setting, size, and significant features.)

Summary Paragraph

Pilot is a 52 foot, diesel powered motor vessel of traditional, wooden, plank on frame, round bottom construction. She was specifically designed to deliver San Diego Harbor pilots to and from large ships arriving to and departing from San Diego Bay in all conditions and weather. Constructed in 1914, Pilot is San Diego's first powered pilot boat and during the majority of her career served as the single and principal maritime link between naval and commercial shipping and the Port's maritime facilities. Pilot's continuous operation was punctuated by normal maintenance periods and occasional incremental replacement of equipment, structural components, and machinery as warranted by active use. During the Second World War Pilot was incorporated into the US Coast Guard/Navy as part of the defensive network of San Diego Bay and today carries on her stack the six chevrons recognizing three years of wartime service which was awarded by the Secretary of the Navy, James Forrestal, in 1946. In 1998 ownership of Pilot was transferred to the Maritime Museum of San Diego and in 2001 Pilot completed an extensive restoration funded partially through the National Maritime Act for historic preservation. Pilot is listed on the International Register of Historic Ships compiled by the World Ship Trust and is recognized as part of the international fleet of historic naval vessels by the Historic Naval Ships Association. Today Pilot serves as a platform for the Museum's educational programs including "Economic and Ecological History of San Diego Bay" and provides narrated historic tours for approximately 35,000 members of the general public annually. She continues her active official career as a San Diego pilot boat in delivering San Diego pilots to visiting historic vessels such as Lane Victory, Jeremiah O'Brien, visiting tall ships such as Gloria, Kayio Maru, and Cuatemoc, and annually to the Museum's 1863 bark Star of India when that ship goes to sea. Pilot also delivers the wreath in memory of sailors lost at sea as part of the annual National Maritime Day commemoration, as well as on the commemoration of the anniversary of the attack on Pearl Harbor. We believe that in her active life of 1914 to present, Pilot has enjoyed the longest continuous career of any working watercraft in the western hemisphere.

Narrative Description

Setting:

The *Pilot* is located at the Maritime Museum of San Diego. MMSD consists of a unique collection of historic vessels, including the 1863 bark *Star of India* the 1898 ferryboat *Berkeley* and the 1904 steam yacht *Medea*. The *Star of India* and the *Berkeley* are currently listed on the National Register of Historic Places. The Museum is located on the Embarcadero in downtown San Diego. It is a popular museum with locals and tourists alike.

Description:

Pilot was built in 1914 in the San Diego shipyard of Manuel Goularte, which was located about 1000 feet to the west of her present berth at the Maritime Museum. Her heavy construction is typical for highest standards and best materials in the period and reflects the traditional craftsmanship and maritime heritage of her Portuguese- American master builder. *Pilot*'s occupation required that she withstand both the rigors of operation in the rough seas often encountered during winter storms at the entrance of San Diego Bay and its once notorious bar, and the daily shocks of coming along side large vessels in rough conditions underway to deliver her pilots. Oral histories mention experiences of surviving catastrophic "rollovers" and "pitch poling" in heavy seas, encounters that reflect the quality of her construction, seaworthy design, and the faith placed in her by generations of pilots and crews. In the words of master pilot Capt Ed Silva, "I knew she would always bring me home." Operationally, her maneuverability when close in and alongside big ships and her platform stability during the extremely dangerous moments when pilots were transferred to or from big ships on dangling Jacobs ladders were among her most important attributes.

The Pilot appears in the List of Merchant Vessels of the United States, 1915, page 297, #212436.

She is 52' LOA with a beam of 13'9", low freeboard and a draft of 5'9". Her displacement is 19 tons. The hull was originally planked with 25 foot strakes of Port Orford cedar, iron fastened to frames of Douglas fir. The frames are 2&1/4"x 2&3/4" on 12" centers. Her original engine was refitted with a 105 hp Viking diesel engine in 1948. This engine was replaced with a Caterpillar 3408 in 1966, which remains in use today. It has a cruising speed of 8-10 knots, with a range of 400 miles. There is one watertight bulkhead, between the forward end of the engine compartment and the wheelhouse. The propeller is a single 3 blade and the rudder is a wood blade.

Name of Property	County and State
The forward deckhouse is 10' long and 6' wide, with a skylight or storage, and a head. This hold is accessed through the wheelho from the 1888 San Diego steam tug <i>Santa Fe</i> and remains in plants.	use. The skylight on the forward deckhouse was recycled
Aft of the wheelhouse is the exhaust stack, extending 9' above the and 6' wide covering the engine compartment. A single hatch in	
The original wheel house had a "box like" construction, (see pho commandeered the <i>Pilot</i> for wartime service in 1943. This 1943 10' long and 6' wide. The boat was original built without a rail ar 1920's.	configuration is the current state of the wheelhouse. It is
Condition and changes:	
Pilot underwent a major restoration which was completed in 200 with careful attention paid to retain it's historical details. New lamby one, to replace rotten frames. Much of the Oak stem was rot unavailability of appropriately dimensioned oak. About 30% of th Spanish cedar was used to match as close as possible the origin rebuilt with Douglas fir recycled from old buildings. The rotted fir epoxy coating, then covered with a weatherproof nonskid coating scheme as a pilot boat and when delivering pilots still flies the in in that function. The only real change in its appearance is the addition of bench	ninated frames of Douglas fir were carefully installed one ted, and was replaced with Douglas fir, due to the e hull planking had to replaced, and specially ordered hal cedar planks. The wheel house was extensively deck was replaced with marine grade plywood and g. She continues to display her traditional livery and color ternational "hotel" signal signifying her continuing career
. The only real change in its appearance to the addition of senion	oo around the sterm to racimate passerigore.
Integrity: It maintains the integrity of:	
Location and setting : Located on San Diego Bay where she sp yards from where she was built. The Maritime Museum is the pe	
Design : Her hull design is identical to when she was built, the widentical in design as she was during her many years as a working	
Materials and workmanship : She was restored to her original materials available. Every attempt was made to duplicate original She is a very sea worthy and capable vessel. She is fully coast role she still occasionally serves when visiting historic vessels er	Il materials where possible. guard certified as a passenger boat and a pilot boat, a
8. Statement of Significance	
Applicable National Register Criteria (Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing)	D Property has yielded, or is likely to yield, information important in prehistory or history.
X Property is associated with events that have made a significant contribution to the broad patterns of our history.	
B Property is associated with the lives of persons significant in our past.	Criteria Considerations (Mark "x" in all the boxes that apply) Property is:

Α

В

С

nurnoses

Property embodies the distinctive characteristics

represents the work of a master, or possesses high

and distinguishable entity whose components lack

of a type, period, or method of construction or

artistic values, or represents a significant

Owned by a religious institution or used for religious

removed from its original location.

a birthplace or grave.

Name of Property	County and State
D a cemetery. E a reconstructed building, object, or structure.	G less than 50 years old or achieving significance within the past 50 years.
F a commemorative property. Areas of Significance (Enter categories from instructions)	
Maritime History	Significant Person (Complete only if Criterion B is marked above)
	Cultural Affiliation
	Architect/Builder
Period of Significance 1914 - 1996	Manuel Goularte
Significant Dates	
1914 - 1946	

Period of Significance (justification)

Pilot was in continuous use as San Diego's harbor pilot boat from 1914 until 1996. It's most significant period was 1914-1959.

Criteria Considerations (explanation, if necessary)

N/A

Statement of Significance Summary Paragraph (provide a summary paragraph that includes level of significance and applicable criteria)

The 1914 Pilot boat qualifies for the National Register under criteria A.

Criteria A: From her launching in 1914 to her removal from regular service in 1996, the *Pilot* enjoyed an active career as San Diego's only pilot craft - assisting almost every one of the thousands of major commercial ships to enter or leave the Harbor during that time. Up until 1990 it also provided Harbor Pilots for Naval vessels as well. Generations of San Diego harbor pilots steamed *Pilot* out to sea in all weather conditions to meet the incoming merchantmen which, in turn, provided the flow of cargo and passengers to support the development of a rising urban seaport. It is the oldest operational pilot boat in the United States, and is still licensed by the Coast Guard to serve as a pilot boat.

The years since 1914 constitute virtually the entire rise of San Diego as a world center for maritime and military enterprises and concur precisely with the career of this vessel. San Diego possesses very few artifacts that link it to the maritime past of the early 20th century. *Pilot* is not only one of the few such items remaining, but arguably the most significant and evocative. No other single artifact in existence can be linked so directly to the economic and military rise of the region and the diverse culture supported by its economy.

Name of Property	County and State

Narrative Statement of Significance (provide at least one paragraph for each area of significance)

Criteria A

Pilot was designed and built in San Diego for one purpose, to deliver harbor pilots to sea going vessels. She served that purpose for 82 years. She was San Diego's first propeller driven pilot boat, assisting thousands of ships coming in and out of San Diego harbor. Her history links the last days of square riggers to modern cruise ships and aircraft carriers.

In 1914 senior pilot Captain Peter Johnson contracted with Manual Goularte to build the Pilot. Goularte's shipyard was located in San Diego at 1964 Atlantic Ave, which is now Harbor drive. This is at the foot of Hawthorne St. two blocks away from the Maritime Museum's current location. Incidentally, Captain Johnson was also the only harbor pilot in San Diego history to be killed in action, after falling from the jacobs ladder while boarding a cargo ship in November 1925.

She is a part of San Diego Naval history, delivering harbor pilots to every manner of navy ship for many years. Aircraft carriers, destroyers, frigates, cruisers, battleships, colliers, troop transports and oilers al took on harbor pilots from this little vessel. Virtually the entire history of the Navy's presence in San Diego, which began in 1917, is paralleled by the *Pilot's* service to it. Starting in 1924 she regularly delivered harbor pilots to the USS *Langley*, the first aircraft carrier in the US fleet, which was stationed in San Diego and played a critical role in the development of naval aviation.

In 1943 she was commandeered by the Coast Guard for wartime service both as a pilot boat and a patrol boat. She was then taken over by the Navy to serve in that same capacity. During the Second World War she delivered harbor pilots to many of the most significant naval vessels to serve in the Pacific, including the *Pennsylvania* BB-38, both *Yorktowns*, CV-5 and CV-10, President Roosevelt's flagship and flagship of the 5th fleet the *Indianapolis* CA-35, the *Valley Forge* CV-45, The *Essex* CV-9, the *Enterprise* CV-6, the *Franklin* CV-13, the *Arizona* BB-39, the *Lexington* CV-16, the *Saratoga* CV-3 and countless others. Today most all these historical vessels are gone, but the *Pilot*, which literally touched so much of history, remains.

In 1946 she was returned to civilian service, and in gratitude the Secretary of the Navy, James Forrestal, authorized *Pilot* to officially display six chevrons on her stack in recognition of her wartime service. She displays these chevrons to this day.

It should be noted that the *Pilot* delivered a harbor pilot to the USS Constitution, when this most revered of all naval vessels visited San Diego in January of 1933 and November of 1934. It also delivered a pilot to the English battlecruiser H.M.S. Renown in April 1920 when England's Prince of Wales visited San Diego.

Historic context information (if appropriate)

San Diego's rise to prominence and viability as an economic center has historically relied and continues to rely fundamentally on the multiple, diverse, and interrelated uses of its bay. Today San Diego bay is home to one of the largest concentrations of conventional naval power in all of history and a national center for every branch of naval endeavor including naval aviation, submarine, antisubmarine, surface, amphibious, special warfare, communications, IT, naval research, and naval technology development. According to the most recent study by the San Diego Military Advisory Council, naval related employment represents 23.1% of regional employment and direct DOD spending contributes \$16.1 billion to the regional economy annually. In addition, a recent report by the San Diego World Trade Center identifies San Diego as possessing the world's large cluster of maritime based companies as well as the world's largest base of research into marine technology and oceanography by universities and research institutes. San Diego functions as a national center for specialized maritime commerce, shipbuilding and repair, recreation, fishing, and ocean related tourism. Exclusive of military functions, maritime activity employs 28,000 people and contributes \$7 billion to the regional economy. Yet, from the perspective San Diego Bay's early history right up to *Pilot*'s beginnings in 1914, none of

Name of Property	County and State

this would have seemed remotely likely.

San Diego Bay was discovered by the Spanish expedition led by Juan Rodriguez Cabrillo in 1542, who claimed the entire region now encompassing the western coastal United States for Spain. Despite its unknown potential, the entire region was deemed so unpromising by reports from that first expedition and subsequent ones that Spain declined to occupy, colonize, or otherwise invest any effort in California until 1769, when provoked to defend its territorial claims by increasing British, French, and Russian incursions into the Pacific following the Seven Years War. San Diego's harbor was ideal for early attention as the first European settlement on what is now the West Coast of the United States. The village eventually established at what is now called Old Town was situated at the closest source of fresh water to the main protected anchorage, a spot behind Ballast Point that is today still referred to as "La Playa."

However secure this anchorage for the kinds of small sailing vessels prevalent to the mid-nineteenth century, San Diego bay in its natural state posed serious limitations for growth as a major seaport in subsequent years as maritime technology changed. The harbor mouth periodically closed by a dangerous bar and various and shifting "middle ground" shoals rendered most of the bay inaccessible to sailing craft of any size. Because underwater contours did not favor the construction of piers at the La Playa anchorage, commercial vessels were required to land and embark their cargoes by small boats directly from the beach and accessible from Old Town two miles away via the road now know as Rosecrans Street. But with the advent of steam navigation in the latter half of the 19th century, small steamships or tugs could maneuver the complex and shifting channel to reach further into the bay. At roughly the site of present day G Street, the proximity of deep water to the shoreline made the construction of piers feasible, and in turn these piers could be serviced by narrow gauge railroad, an early combination of maritime intermodal mechanization that served to shift the entire center of population and commerce from Old Town to the site of what is now downtown San Diego. Navigating the harbor bar and the ever changing channel required intimate knowledge of the bay and vessels arriving to the harbor entrance required pilots with specialized knowledge of those conditions. The history of their activities is not well documented, but it is believed that *Pilot* had two sail powered predecessors which served the purpose of delivering them to and from the ships.

Yet despite these technological advances, the bay remained for the most part a shallow backwater for maritime commerce and the small city of San Diego a reflection of its limitations. When the "Great White Fleet" arrived in 1906 at the instigation of city leaders as part of a strategy to lure the US Navy to San Diego, as had always been the case for ships of any size, the entire armada was forced to anchor offshore in Coronado Roads because the harbor channel was unnavigable to deep draft vessels. However, the construction of the Panama Canal presented to San Diego the dual geographical advantages of relative (to other west coast ports) proximity and a bay which with enough investment might be developed into a port. Beginning with the establishment of a naval coaling station at La Playa in 1912 and subsequent massive investment into dredging, breakwaters, and harbor and waterfront facilities both on the part of the city and the Federal Government, a major deepwater port gradually emerged as a growing center for naval activity, maritime trade, shipbuilding, and what would become for a while one of the world's largest fishing industries. These enhancements to San Diego's economic potential were concurrent with and partially a justification for a massive "city beautiful" investment in urban planning and the creation of some of the city's most culturally significant features. These include Balboa Park, the former site of the 1915 Panama Pacific Exposition and intended to highlight the city's anticipated prominence as the natural terminus of sea traffic between the US and the new Panama Canal. Almost immediately, the character of San Diego as a major city situated by the sea began to emerge.

Before the large scale improvements to the navigability of the Bay appeared, the need for pilots to guide large ships in and out of it was moot. Once they came into being, this function was an assumed and essential component of their purpose – and the purpose for which *Pilot* was built. While the Port and the major ships served by it constituted a continuing regional basis and powerful influence upon subsequent growth, infrastructural development, industrial trajectory, intellectual focus, cultural content, and urban design, neither time or technology altered the essential need for these ships to enter and leave port safely, at all hours and in any weather. As the population, personalities, landscape, facilities, and the ships themselves changed over the decades, all lines of development passed more or less unnoticed through a single prosaic nexus in the form of one little boat, which for the better part of a century, functioned as the sole and continuous conveyance of the skill and knowledge necessary to see these ships of every size, description, and power safely into and out of San Diego Bay in daylight and darkness, calm or storm. No other single object within the region is so directly connected in a physical way to the spectacular rise, over only four generations, of San Diego from a sleepy shallow water harbor to America's tenth largest city and one of the greatest seaports in maritime history. That her career, now more diversified, continues unbroken and that after almost a century she still delivers her pilots and brings them home safely when called upon to do so is arguably unprecedented. The recognition of *Pilot* as an appropriate addition to the national register is a statement that would not only recognize her own significance, but constitute acknowledgement

that history is not entirely the purview of great battles and great men, but may sometimes turn on the smallest of players that may for generations, pass unnoticed. 9. Major Bibliographical References Bibliography (Cite the books, articles, and other sources used in preparing this form) Mains'l Haul 36:2&3 spring/summer 2000 3-14 Wooden Boat #155 July/August 2000 28-31 Mains'l Haul 43:1&2 spring/summer 2007 16-27 Mains'l Haul 43:1&2 spring/summer 2007 16-27 Mains'l Haul 28:4 summer 1992 12-14 Journal of San Diego History 33:4 1987 Captain Hilton Johnson oral history February 1969, SDMM Library. Captain Ed Silva oral history January 2000 SDMM Library Captain Lloyd Maland oral history February 1992 SDMM Library List of Merchant Vessels of the United States, 1915 Ship logs of MV Pilot SDMM archives Linder, Bruce: San Diego's Navy: An Illustrated History. Navel Institute Press, 2001 2010 SDMAC Military Economic Impact Study. www.sdmac.org California and the Global Economy, San Diego World Trade Center: www.sdwtc.org/trade-advocacy/economic-impact-reports Previous documentation on file (NPS): preliminary determination of individual Isling (36 CFR 67 has been Requested) previously lated in the National Register previously determined eligible by the National Register previously determined eligible by the National Register previously determined eligible by the National Register previously Historic American Buildings Survey # Cher State agency Federal agency	Name of Property	County and State
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List of Merchant Vessels of the United States, 1915 Ship logs of M/V Pilot SDMM archives Linder, Bruce: San Diego's Navy: An Illustrated History. Navel Institute Press, 2001 2010 SDMAC Military Economic Impact Study. www.sdmac.org California and the Global Economy, San Diego World Trade Center: www.sdwtc.org/trade-advocacy/economic-impact-reports Previous documentation on file (NPS): preliminary determination of individual listing (36 CFR 67 has been Requested) previously listed in the National Register previously determined eligible by the National Register previously determined eligible by the National Register designated a National Historic Landmark recorded by Historic American Buildings Survey # recorded by Historic American Engineering Record # Name of repository:	Captain Ed Silva oral history January 2000 SDMM Library	
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Acreage of Property (Do not include previously listed resource acreage)

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Additional Documentation

Submit the following items with the completed form:

• Maps: A USGS map (7.5 or 15 minute series) indicating the property's location.

A **Sketch map** for historic districts and properties having large acreage or numerous resources. Key all

3	<u> </u>
Name of Property	County and State

photographs to this map.

Continuation Sheets

Additional items: (Check with the SHPO or FPO for any additional items)

Photographs:

Submit clear and descriptive photographs. The size of each image must be 1600x1200 pixels at 300 ppi (pixels per inch) or larger. Key all photographs to the sketch map.

Name of Property: M/V Pilot

City or Vicinity: San Diego

County: San Diego State: California

1 of 5

Photographer: Scott Baldwin

Date Photographed:11/18/2009

Description: CA-San Diego County -001. This is a contemporary photo showing the current state of the Pilot, located at

the San Diego Maritime Museum.

2 of 5

Photographer: unknown

Date: 1914

Descripton: CA-San Diego County -002. This is a photo showing the Pilot soon after it was launched in 1914.

3 of 5

Photographer: unknown

Date: 1914

Descripton: CA-San Diego County -003. A photo of the Pilot delivering a harbor pilot to the square rigger Desaix.

4 of 5

Photographer: unknown

Date: 1933

Descripton: CA-San Diego County -004, A photo showing the Pilot in 1933, with the 4 harbor pilots posing on the

foredeck.

5 of 5

Photographer: unknown

Date: 1944.

Description: CA-San Diego-County -005 A photo of the Pilot delivering a harbor pilot to the troop transport USS Randell

Name of Property	County and State
in 1944.	

All photographs are included on the archival CD in .tif format

Property Owner:	
(complete this item at the request of the SHPO or FPO)	
name MARITIME MUSEUM OF SAN DIEGO	
street & number 1492 N. Harbor Drive	telephone 619 234 9153
city or town _San Diego	state CA zip code 92101

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C.460 et seq.).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18 hours per response including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Office of Planning and Performance Management. U.S. Dept. of the Interior, 1849 C. Street, NW, Washington, DC. May Alcott Nieriker