UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

# NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM

FOR NPS USE ONLY

RECEIVED MAY 4

1979

DATE ENTERED

MAY 29 1979

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S		HOW TO COMPLETE NATIONA RIES COMPLETE APPLICABL		S	
NAME					
HISTORIC					
	M. V. SANTA R	OSA			
AND/OR COMMO	on santa rosa f	ERRYBOAT			
LOCATI	ON NOTE: The SA	NTA ROSA will be permanent	tly moored at Pier	r 3 in	
STREET & NUMB	SER	cancisco in the vicinity of	t the Ferry Bulla.	mg. (1900)	
CITY, TOWN	Howard Terminal		NOT FOR PUBLICATION  CONGRESSIONAL DISTRICT		
CITY, TOWN	Oakland	VICINITY OF	8	iiCi	
STATE	California	CODE O6	COUNTY	CODE	
	Calliornia	. 00	Alameda	001	
CLASSIF	ICATION NOTE:	Public access will be p moored in San Francisco		anently	
CATEGOR	RY OWNERSHIP	STATUS	PRES	ENT USE	
DISTRICT	PUBLIC	OCCUPIED	AGRICULTURE	MUSEUM	
BUILDING(S)	X_PRIVATE	UNOCCUPIED	COMMERCIAL	PARK	
STRUCTURE	ВОТН	XWORK IN PROGRESS	EDUCATIONAL	PRIVATE RESIDENCE	
SITE	PUBLIC ACQUI	- 1002001922	ENTERTAINMENT	RELIGIOUS	
XOBJECT	IN PROCESS	XYES: RESTRICTED	GOVERNMENT	SCIENTIFIC	
	BEING CONSIDERED	YES: UNRESTRICTED	INDUSTRIAL	TRANSPORTATION	
		NO	MILITARY	during rehab.	
Johr	OF PROPERTY  n M. Pflueger  e McCormac and Dick	x Bechelli c/o Pflueger	Architects		
STREET & NUMB					
CITY, TOWN	Market Street		STATE		
San	Francisco	VICINITY OF	California	94104	
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COURTHOUSE,					
REGISTRY OF DE	EDS, ETC.				
STREET & NUMB	ER				
CITY, TOWN			STATE		
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DEPOSITORY FO			<del></del>		
SURVEY RECORD	)S				
CITY, TOWN			STATE		



#### CONDITION

#### **CHECK ONE**

**CHECK ONE** 

X EXCELLENT

\_\_FAIR

\_\_DETERIORATED
\_\_RUINS
\_\_UNEXPOSED

\_UNALTERED XALTERED

\_\_ORIGINAL SITE

XMOVED DATE\_\_\_\_\_

#### DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The motor vessel Santa Rosa was one of a class of six ferries built for the Southern Pacific Company, three of which were assigned to the Northwestern Pacific Railroad, a wholly owned Southern Pacific subsidiary. Those boats which bore the Southern Pacific emblem were M. V. Stockton, M. V. Fresno, and M. V. Lake Tahoe. The other two vessels were the Northwestern Pacific's M. V. Mendocino, and M. V. Redwood Empire.

Santa Rosa was built by the General Engineering and Drydock Co., Alameda, California, the keel being laid in late summer 1926, and the vessel turned over to the Northwestern Pacific June 28, 1927. The vessel had a length over all of 251 feet, and a registered length between perpendiculars of 242.5 feet. The breadth of the hull is 46.3 feet, breadth over the guards (extreme breadth) is 66 feet. Registered depth, as built, was 19.6 feet. Registered gross tonnage was 2470 tons, this figure being greatly reduced in later years when the automobile deck was excluded from computations of the admeasurer. The cost of the ferry when new, was \$525,000. She was General Engineering's hull No. 6.

The engineering plant in Santa Rosa consisted of 4 diesel engines built by the New London Shipbuilding & Engine Company, New London, Connecticut. Each engine was rated at 600 horsepower, but only three engines maximum could be used to power the vessel through electric drive. The two electric drive motors were built by the General Electric Company, one motor at each end of the double-ended vessel. The diesel engines were rejected submarine engines which failed the rigorous Navy tests, but they were adequate for commercial uses, and so were purchased by the Southern Pacific. One motor was used to drive the vessel, and operated at top r.p.m., but in order to reduce the friction of the forward screw, it operated in reverse at 1/3 speed.

The auto deck was completely closed in, the ends being closed after loading by articulated roller-type steel doors manufactured by the Gunn-Carle Co., of San Francisco. Four stairways went to the upper deck which featured a ladies' cabin, a smoking room, and a solarium lounge at each end, lavishly equipped with wicker furniture which was extremely comfortable. Benches rimmed the promenade of the upper deck, and life-jacket stowage permitted 1200 passengers. The auto capacity was modestly calculated at 65 cars of the vintage.

Santa Rosa boasted a Sperry electric-hydraulic steering system which was extremely sophisticated for the time. The pilot house steering wheels were very small, almost incongruous with the monstrous wheels which had been the vogue for centuries. Interior and exterior painting was almost entire white. The stack was black, with the Northwestern Pacific emblem in white painted on each side. The letters "NORTHWESTERN PACIFIC" in bold letters were above the row of windows on the main deck. The boot topping (exposed wind and water surface of the hull below the guard rail) was green. The canvas decks were painted deck buff.

UNITED STATES DEPARTMENT OF THE INTERIOR HERITAGE CONSERVATION AND RECREATION SERVICE

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CONTINUATION SHEET 1

ITEM NUMBER 7

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An invitation only exhibition of the vessel took place at the Sausalito terminal of the Northwestern Pacific and in early July, 1927, the boat was placed in service between Sausalito and San Francisco. Her master of registry was Captain Andrew Artzen of Sausalito. When Santa Rosa was built, the Northwestern Pacific had no licensed chief engineers with a motor endorsement. Only Jim Sheridan, Chief Engineer of the gasoline ferry Marin had a motor license of any sort. The company made arrangements that if Jim would be present in the shipyard during the construction period that the Department of Commerce, the then licensing authority, would endorse his license to Chief Engineer of motor vessels, unlimited. A similar arrangement was made for Harry C. Baker, who was the Assistant Chief Engineer designate of Santa Rosa. After the trial trip, Jim Sheridan convinced himself that Santa Rosa was far more complicated a machinery plant than he cared for, so he returned to his beloved Marin and so Harry Baker went down in history as Santa Rosa's first Chief Engineer.

Santa Rosa's career with the Northwestern Pacific was extremely brief. In two years' time, the Southern Pacific Company bought out the stock of the Golden Gate Ferry Co., the rival corporation, and created a new company which was exclusively for auto ferries, the Southern Pacific Golden Gate Ferries, Ltd., founded in 1929. All auto boats under the control of both companies were consolidated into one fleet, 27 vessels strong. Among them was the Santa Rosa. Although she had no definite route in the new company, her last assigned service was between San Francisco and Oakland Pier which concluded in 1939. At this time she was placed on the block, for sale, along with many other vessels. The Southern Pacific was now faced with an embarrassing situation tax-wise. They know, when they built the boats, that they would be in excess in ten years due to the building of the Golden Gate and San Francisco-Oakland Bridges, so they depreciated them in their income tax over the ten year period, so theoretically, in 1937, they were worthless. But to Capt. Alexander M. Peabody and the Puget Sound Navigation Co., they had a value. He dickered with the Southern Pacific for the boats, and obtained for himself a most favorable deal, for tax purposes the S. P. let them go for \$55,000 per copy. One by one the boats were towed to Seattle to fly the house flag of the Black Ball Line. The Redwood Empire got caught in a storm and almost was lost, but by using her own power, she kept from going aground on the Northern California Coast. Santa Rosa encountered no problems, arrived in Seattle in early 1941, and after preliminary design work, she and Fresno were earmarked for conversion to single enders, re-engining, and general reconfiguration including the enlargement of the passenger spaces on the upper deck and the removal of one pilot house.

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CONTINUATION SHEET 2

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The modification contract was awarded to Winslow Marine Railway & Shipbuilding Company of Winslow Washington. The four New London diesels were removed as well as, the main propulsion motors, and replaced with one Busch Sultzer Brothers single acting, two cycle engine of 2800 horsepower, giving the vessel a revised speed of 15 knots. The auto deck was converted to a partially enclosed deck, permitting exclusion from admeasurement of the space, and reducing the gross tonnage to 1023 tons. As rebuilt, the vessel was considered capable of carrying 70 autos and 1530 passengers. She was renamed Enetai, an Indian word meaning "on the other side", which was particularly appropriate for a ferry. Her initial Black Ball service was the Seattle -Bremerton run, although she might be found on many other routes.

Capt. Peabody sold the Puget Sound Navigation Company (Black Ball Line), to the Washington State Ferries, 26 May 1951 for \$15,000,000. The contract of sale provided that he not go back into the ferry business for a term of years, but the wiley Peabody stepped over the border into Canada, where his agreement had no status, and founded the Black Ball Line of Canada. But for the purpose of this Narrative, Enetai rested with new owners. She saw 17 more years of service, much of which time was spent as the "extra boat" available, but not operating. She was retired in 1968.

Rehabilitation work is now in progress, and when complete, the SANTA ROSA'S appearance will be substantially the same as it was when it was a San Francisco Bay ferryboat. The vessel will have the appearance of a double ended ferry with pilot houses at both ends. The stack, funnels, paint colors, graphics and car deck windows will match the original features. The passenger deck, which was enclosed to accomodate the inclement weather of Puget Sound, will be the only visible alteration of the original appearance to remain. This feature could also be fully restored at some future time.

Original steel sash windows on the car deck were replaced with porthoses in 1941 when the Santa Rosa was converted for use on Puget Sound. Windows similar to the original steel sash will be installed to replace port hole plates. One pilot house was partially removed in 1941; it will be reconstructed to match the original pilot house. The car deck will be leveled and divided for public access, museum and commercial use. New lighting, heating and ventilation will be provided. All rehabilitation work is being performed in accordance with the Secretary of the Interior's Standards for Preservation Projects and is being monitored by the State Office of Historic Preservation.

PERIOD	AR	REAS OF SIGNIFICANCE CH	IECK AND JUSTIFY BELOW	
_PREHISTORIC	ARCHEOLOGY-PREHISTORIC	COMMUNITY PLANNING	LANDSCAPE ARCHITECTURE	RELIGION
_1400-1499	ARCHEOLOGY-HISTORIC	CONSERVATION	LAW	SCIENCE
_1500-1599	AGRICULTURE	ECONOMICS	LITERATURE	SCULPTURE
_1600-1699	ARCHITECTURE	EDUCATION	MILITARY	_SOCIAL/HUMANITARIAN
_1700-1799	ART	ENGINEERING	MUSIC	THEATER
_1800-1899	COMMERCE	EXPLORATION/SETTLEMENT	PHILOSOPHY	X_TRANSPORTATION
<u>_</u> 1900-	COMMUNICATIONS	INDUSTRY	POLITICS/GOVERNMENT	X_OTHER (SPECIFY)
		INVENTION	F	Maritime History

SPECIFIC DATES Construction: 1926-27 BUILDER/ARCHITECT General Engineering & Drydock Co., Alameda, California

#### STATEMENT OF SIGNIFICANCE

Between 1850 and 1939 there were one hundred and twenty ferryboats in operation on San Francisco Bay at one time or another. Only fourteen can be accounted for today. They are the SANTA ROSA, KLAMATH, FRESNO, SAN MATEO, SHASTA, EUREKA, SIERRA NEVADA, CITY OF SACRAMENTO, BERKELEY, VAN DAMME, LAKE TAHOE, STOCKTON, MENDOCINO and REDWOOD EMPIRE. Of those listed, only nine are in fairly good condition. Of the nine, the LAKE TAHOE, STOCKTON, MENDOCINO and REDWOOD EMPIRE are still in operation, although no longer on San Francisco Bay. These four and the FRESNO are sister ships to the SANTA ROSA, with the SANTA ROSA being the first ship built.

The SANTA ROSA was the first steel-hulled diesel-electric ferryboat to operate on San Francisco Bay. The design of the SANTA ROSA and her sister ships represented an important technological advance in the evolution of San Francisco Bay's passenger and automobile ferries. Constructed in 1926-27, the SANTA ROSA was initially placed into service between San Francisco and Sausalito. It connected San Francisco with Northwestern Pacific Railroad's Sausalito terminal, which provided the major rail access into northwestern California, operating as far north as Eureka. The SANTA ROSA's role as an important link in this major transportation system was short-lived. The Southern Pacific Company's acquisition of the rival Golden Gate Ferry Company in 1929 resulted in the consolidation of the auto ferry fleet. The SANTA ROSA then served on different routes in San Francisco Bay until 1939, when the opening of the San Francisco-Oakland Bay Bridge eliminated the need for auto ferry service. The SANTA ROSA was sold to the Puget Sound Navigation Company for service on the Black Ball Line between Seattle and Bremerton. She arrived in Seattle in 1941, and was modified for single end operation. The SANTA ROSA was renamed the ENETAI at this time, and spent the next 10 years operating under the Black Ball Line flag. In 1951 the Puget Sound Navigation Company (Black Ball Line) was sold to Washington State The ENETAI remained in service for the next 17 years, much of which was in reserve status. She was finally retired in 1968.

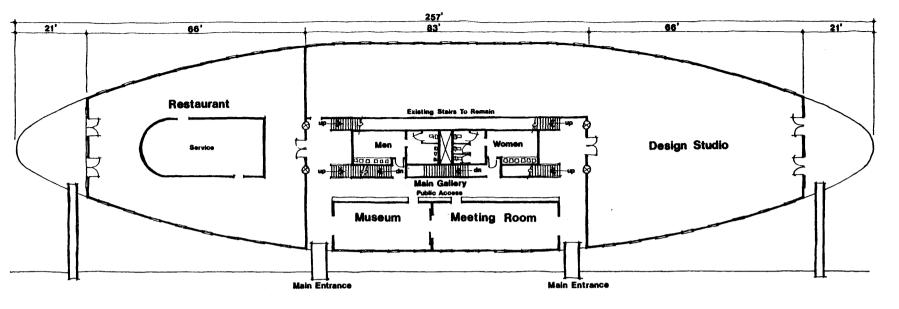
The old M. V. SANTA ROSA has now been purchased by a private firm and has been returned to San Francisco Bay. She is presently undergoing rehabilitation for commercial uses. Most of the visible 1941 modifications are being reversed; excellent documentation of the original appearance exists through photographs and drawings and is being utilized to guide renovation efforts. Work is being performed in accordance with the Secretary of the Interior's standards for preservation projects, and is being monitored by the State Office of Historic Preservation. Although an upper deck enclosure will remain, even this alteration could be reversed in future restoration work, and does not detract significantly from the overall appearance of the ship. When present work is completed, the SANTA ROSA will be returned to a condition close to her original appearance.

### 9 MAJOR BIBLIOGRAPHICAL REFERENCES

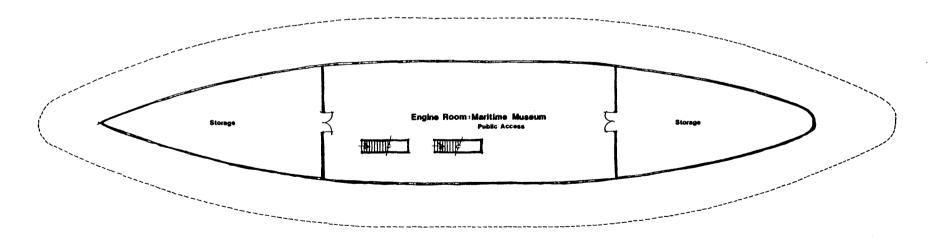
San Francisco Bay Ferryboats by George H. Harian Howell - North Books; Berkeley, California

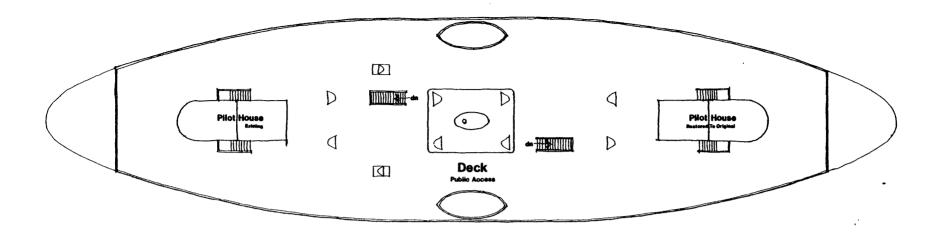
Of Walking Beams and Paddle Wheels by George H. Harian and C. Fisher, Jr.

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				Sheet 1	
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STATE	CODE	COUNTY		CODE	
OIAIL .	5555				
FORM PREPARED BY NAME / TITLE  Kathleen Cruise A	Section 1	-h:44			
Kathleen Cruise, A	IA, Project Are	cnitect	DATE		
Pflueger Architect	-		March 16, 19	770	
STREET & NUMBER	<u> </u>		TELEPHONE	279	
580 Market Street			(415) 781-8872		
CITY OR TOWN					
San Francisco			California	alia oli	
2 STATE HISTORIC PR				N	
THE EVALUATE	D SIGNIFICANCE OF	THIS PROPERTY WIT	THIN THE STATE IS:	•	
NATIONAL	STAT	E	LOCAL X		
		·			
As the designated State Historic Preserv					
hereby nominate this property for inclu		-	at it has been evaluated	according to the	
criteria and procedures set forth by the I	National Park Service.				
STATE HISTORIC PRESERVATION OFFICER	SIGNATURE /	noy MEE	Con 5/4/	79	
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I HEREBY CERTIFY THAT THIS PRO	PERTY IS INCLUDED	IN THE NATIONAL R			
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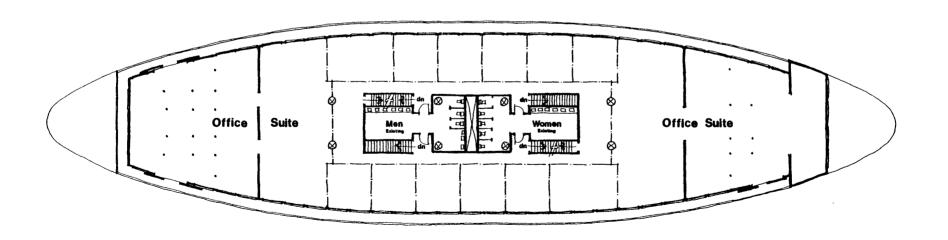


## Main Deck





Pilot Deck



Upper Deck

Pflueger Architects
June 1978

