

PH 0665762

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM**

FOR FEDERAL PROPERTIES

FOR NPS USE ONLY	
RECEIVED	MAR 27 1978
DATE ENTERED	5 1978

SEE INSTRUCTIONS IN *HOW TO COMPLETE NATIONAL REGISTER FORMS*
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

1 NAME

HISTORIC LIME KILN LIGHT STATION

AND/OR COMMON

2 LOCATION

STREET & NUMBER

County Road #1

W of Friday Harbor on

NOT FOR PUBLICATION

CITY, TOWN

San Juan Island

CONGRESSIONAL DISTRICT

STATE

Washington

XX VICINITY OF

Friday Harbor

CODE

COUNTY

San Juan

CODE

55

2 CLASSIFICATION

CATEGORY

- DISTRICT
- BUILDING(S)
- STRUCTURE
- SITE
- OBJECT

OWNERSHIP

- PUBLIC
- PRIVATE
- BOTH
- PUBLIC ACQUISITION**
- IN PROCESS
- BEING CONSIDERED

STATUS

- OCCUPIED
- UNOCCUPIED
- WORK IN PROGRESS
- ACCESSIBLE**
- YES: RESTRICTED
- YES: UNRESTRICTED
- NO

PRESENT USE

- AGRICULTURE
- COMMERCIAL
- EDUCATIONAL
- ENTERTAINMENT
- GOVERNMENT
- INDUSTRIAL
- MILITARY
- MUSEUM
- PARK
- PRIVATE RESIDENCE
- RELIGIOUS
- SCIENTIFIC
- TRANSPORTATION
- OTHER:

4 AGENCY

REGIONAL HEADQUARTERS: *(if applicable)*

Commander, 13th Coast Guard District (flp)

STREET & NUMBER

915 Second Avenue

CITY, TOWN

Seattle, Washington

VICINITY OF

STATE

Washington 98174

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE,
REGISTRY OF DEEDS, ETC.

San Juan County Courthouse

STREET & NUMBER

CITY, TOWN

Friday Harbor

STATE

Washington

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

Unknown

DATE

___ FEDERAL ___ STATE ___ COUNTY ___ LOCAL

DEPOSITORY FOR
SURVEY RECORDS

CITY, TOWN

STATE

7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input checked="" type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

Light and Fog Signal Building;

The octagonal concrete tower, 4 feet on a side (5'-6" radius), is engaged in the West end of a rectangular concrete fog signal building 21 feet 6 inches (N-S) by 24 feet (E-W). The tower rises 24 feet 6 inches from the fog signal equipment room floor to the top of the concrete cornice which is surmounted by a concrete railing. The lantern, circular in plan and of metal construction, is lighted by diagonal glass panes curved to radius. Entrance to the tower is gained through the fog signal building and the stairway is lighted by 6 metal framed windows.

The fog signal building is covered with a shingled hipped roof crowned by a metal ventilator, A hipped dormer window fitted with crossed muntin wood sash projects from the East shed above the door. The cornice is of wood and incorporates a built-in gutter.

Entrance is gained through double metal doors centered on the East wall and surmounted by a five light transom. The interior space is lighted by six large windows, two each on the North, South and East walls. These windows were originally metal sashed, but now the North and South windows are fitted with fixed 9 light wood sash. A small 4 light metal window on the West lights a toilet room located in the Northwest Corner.

The exterior planes are relieved by several cast-in features such as the Projecting Watertable at the floor line, a belt on the tower at the cornice of the fog signal building and expressed arches over the windows.

Oil and Coal House:

A rectangular concrete structure 10 feet (N-S) by 15 feet (E-W) with a flat roof, the building is subdivided into two interior spaces. Access is gained through either of two sheet metal doors located on the South wall.

The other buildings in the original complex are the identical keeper's quarters and assistant keeper's quarters (30' x 48') of reinforced concrete with hipped roofs. These buildings are located on land no longer controlled by the Coast Guard.

Paint Colors:

Black - Lantern

Red - Roof

Grey - Base

Grey/Green - Cornice (Fog Signal Bldg.), windows & trim, doors & trim.

White - walls

8 SIGNIFICANCE

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input checked="" type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input type="checkbox"/> 1800-1899	<input checked="" type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input checked="" type="checkbox"/> TRANSPORTATION
<input checked="" type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES *1917 +*

BUILDER/ARCHITECT

STATEMENT OF SIGNIFICANCE

This light, among the last to be established of the major lights in the Puget Sound - Straits area, marks an Eastern Point on Hard Strait, an important shipping lane. The light was established in 1914 and the present structures were built subsequent to 1917. Because of the inherent difficulties of bringing a reliable source of electric power to the site, this light continued using IOV as the illuminant until after World War II.

The complex, consisting of light and Fog Signal Building, Keeper's and Assistant Keeper's Dwellings, Shop and Storehouse (never constructed) and Oil and Coal House, is unique in that the entire station was designed at one time with all buildings of reinforced concrete. The date of the drawings (1917) indicates that this is a rather early use of reinforced concrete for buildings of such varied uses.

This District of the Bureau of Lighthouses had previously experimented with concrete for lighthouse construction; Alki Point (designed 1911), Point Wilson (designed 1912) and Point Robinson (designed 1914) being notable examples. However, Lime Kiln is the first and only known example in this district of such extensive use of the material. Its success in the Northwest has been proved, and virtually every major lighthouse built since has been of concrete, except those of Skeleton Tower Design.

Original construction drawings of the following structures are on file at the office of the Thirteenth Coast Guard District:

- ✓ a. Light and Fog Signal Building (27 Oct 1917)
- b. Keeper's Dwellings (27 Oct 1917)
- c. Shop and Storehouse (27 Oct 1917 - Never Constructed)
- ✓ d. Oil and Coal House (27 Oct 1917)
- e. Picket Fence (17 Apr 1919)

Of these, only the Light and Fog Signal Building (a) and the Oil and Coal House (d) are located on property retained by the Coast Guard. - *see telephone report*

Lime Kiln is now operated as a fully automated, unmanned station.

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Gibbs, Jim - West Coast Lighthouses
Seattle; Superior Publishing Co., 1974

Official Records - 13th Coast Guard District
Seattle, Washington

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY Lime Kiln Light .75 Acre *See revised page.*
UTM REFERENCES

A	1	0	4	8	8	8	3	0	5	3	7	3	4	5	0	B															
	ZONE			EASTING						NORTHING							ZONE			EASTING						NORTHING					
C																D															

VERBAL BOUNDARY DESCRIPTION

U.S.G.S. Roche Harbor, Washington - 1954

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	Washington	CODE	COUNTY	San Juan	CODE
STATE		CODE	COUNTY		CODE

11 FORM PREPARED BY

NAME / TITLE

LCDR N. P. Neblett/LT R. J. Williamson

ORGANIZATION

Thirteenth Coast Guard District

DATE

3 August 1977

STREET & NUMBER

915 Second Avenue

TELEPHONE

(206) 442-5620/1

CITY OR TOWN

Seattle

STATE

Washington 98174

12 CERTIFICATION OF NOMINATION

STATE HISTORIC PRESERVATION OFFICER RECOMMENDATION

YES NO NONE

James M. Church
STATE HISTORIC PRESERVATION OFFICER SIGNATURE

In compliance with Executive Order 11593, I hereby nominate this property to the National Register, certifying that the State Historic Preservation Officer has been allowed 90 days in which to present the nomination to the State Review Board and to evaluate its significance. The evaluated level of significance is National State Local.

FEDERAL REPRESENTATIVE SIGNATURE

TITLE EO 11593 DOT REPRESENTATIVE

DATE 3/16/78

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

DATE

DIRECTOR, OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION

ATTEST: *W. Ray Luce*
KEEPER OF THE NATIONAL REGISTER

DATE 11.27.78

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

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CONGRESSIONAL DISTRICT

San Juan Island

xx VICINITY OF Friday Harbor

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CLASSIFICATION

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<input checked="" type="checkbox"/> BUILDING(S)	<input type="checkbox"/> PRIVATE	<input type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL	<input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	PUBLIC ACQUISITION	ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT	<input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input checked="" type="checkbox"/> YES: RESTRICTED	<input checked="" type="checkbox"/> GOVERNMENT	<input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input type="checkbox"/> YES: UNRESTRICTED	<input type="checkbox"/> INDUSTRIAL	<input checked="" type="checkbox"/> TRANSPORTATION
		<input type="checkbox"/> NO	<input type="checkbox"/> MILITARY	<input type="checkbox"/> OTHER:

AGENCY

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STREET & NUMBER

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TITLE

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__FEDERAL __STATE __COUNTY __LOCAL

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SURVEY RECORDS

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Keepers Quarters:

The keepers quarters consist of two separate, single story family dwellings (29' X 50'). The quarters are constructed of concrete with hipped roofs. These buildings were constructed in 1919 and are typical of the style of architecture common in the pre-1920s.

Other Structures and Facilities.

The other structures and facilities in the original light station complex consist of the following:

- (1) Wood frame garage 14' X 34' constructed in 1919.
- (2) Coal Shed or tool shed, wood frame 8' X 10' constructed in 1944.
- (3) Wood frame pump house 8' X 10', constructed in 1919.
- (4) Wood frame fire pump house 8' X 10', date of construction unknown.
- (5) Other structures and facilities include sewer lines, water lines and storage tanks, fencing and other minor site improvements.

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9 MAJOR BIBLIOGRAPHICAL REFERENCES

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY Lime Kiln Light Station 8.03 Acres

UTM REFERENCES

A	1,0	489020	5373480	B	1,0	489020	5373330
	ZONE	EASTING	NORTHING		ZONE	EASTING	NORTHING
C	1,0	488810	5373330	D	1,0	488810	5373480
	ZONE	EASTING	NORTHING		ZONE	EASTING	NORTHING

VERBAL BOUNDARY DESCRIPTION

U. S. G. S. Roche Harbor, Washington - 1954

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	CODE	COUNTY	CODE
Washington		San Juan	
STATE	CODE	COUNTY	CODE

11 FORM PREPARED BY

NAME / TITLE
LCDR N. P. Neblett/LT R. J. WILLIAMSON

ORGANIZATION
Thirteenth Coast Guard District

DATE
3 August 1977

STREET & NUMBER
915 Second Avenue

TELEPHONE
(206) 442-5620/1

CITY OR TOWN
Seattle

STATE
Washington 98174

12 CERTIFICATION OF NOMINATION

STATE HISTORIC PRESERVATION OFFICER RECOMMENDATION

YES NO NONE

STATE HISTORIC PRESERVATION OFFICER SIGNATURE

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TITLE

DATE

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Charles H. ...
DIRECTOR, OFFICE OF ARCHAEOLOGY AND HISTORIC PRESERVATION

ATTEST: *W. Ray ...*
KEEPER OF THE NATIONAL REGISTER

DATE 12/15/78
KEEPER ON THE NATIONAL REGISTER
DATE 12/14/78