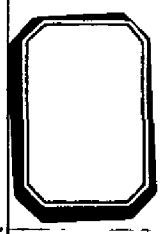


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3675



Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: _____

11-5013

DESCRIPTIVE REPORT.

Imp. Sheet No. 3675

LOCALITY:

1917

CHIEF OF PARTY:

3675

1917

Original

3675

DESCRIPTIVE REPORT.

TOPOGRAPHIC REVISION, PORT ORCHARD AND PORT MADISON,
Puget Sound.

Surveyed under Instructions of The Superintendent, dated
November 10, 1916.

Surveyed by R. A. Wheeler, Aid,
February 2, 1917-March 8, 1917.

Wire Drag Party No. 3.

John A. Daniels, Assistant.
Chief of Party.

DESCRIPTIVE REPORT.

This description covers the topographic revision included on Chart No. 6443, Port Orahad, Northern Part, Scale 1:20000. The area represented on the Chart was examined and revised where changes were found. A stretch of shoreline on the east side of Bainbridge Island from the small settlement about a half mile south of Pt. Monroe, owing to the lack of time and because of the remoteness of the locality from the base at Poulsbo was not revised.

The work was started the first part of February and ended March 8, the last day of the season in the field. Owing to the inclemency of the weather less than half of this time was spent in actual plane-tabling. During the time this work was done, the weather was very cold, attended by rain and snow storms. Days on which work was carried on in the field were generally very good however.

GENERAL DESCRIPTION.

This territory is as represented on the old Chart as far as the permanent features are concerned, the shoreline was checked and found correct within 10 meters, excepting at the head of Port Madison Bay, where it was found to be about 30 meters out. The shoreline as corrected is indicated in red ink on the sheet.

The culture has been greatly changed by the addition of a number of docks and houses. Some houses have been removed or destroyed, while a large area of land has been cleared and put under cultivation. The land back of the waterfront and which cannot be seen from the shore is apparently undergoing greater improvements than that along water.

DETAILED DESCRIPTION.

At Presi^{dent} Pt., Northern limit of sheet, there is a small settlement. A flag is a banner placed on end of shingle-bolt shoot which affords a landing for small boats at high tide.

A Pile is a log just outside of 3 fathom curve. It is not known whether this is an anchored log or a driven pile. An attempt was made to move it, but it was found to be very solid; and it is therefore believed that it is a sawed off pile. It was observed at quarter tide and projected above water about 2 feet at that time. It was noted that it leaned a little to the northward when the tide was running against it, and also that the part which projected above water was not covered by barnacles. Whether floating or not it constitutes a danger to launches in this vicinity.

About half way between Pt. President and Pt. Jefferson are two dwelling houses, which were used for hydrographic signals. They are surrounded by several outhouses. A half mile to westward of Δ Out there is a small shack at the top of the bluff, which affords a definite landmark.

A mile west of Δ Out is a fine new dock and float for launches and row-boats. In the vicinity of this dock is a summer resort, there being quite a few houses located among the trees. These houses are not shown on the chart because they are hidden in the trees and cannot be seen from off-shore. A few hundred meters further along the beach are two farm houses, which are readily seen from the water. Five houses were located at head of Squaib Bay. These are not very prominent and can not be seen very far to the southward. \odot Gul is a large rock about ten-feet high and six feet in diameter and is very prominent. It is the largest rock in the vicinity. It is 1200 meters north of the dock at Suquamish.

There are a large number of houses just north of \odot Gul that are hidden in the trees, the land having been only partly cleared. They do not show outside of Squaib Bay.

The settlement in the vicinity of the dock on which Δ Gab is located is called Suquamish. The houses at Suquamish as shown on the chart have been destroyed excepting one or two which are only rotten shacks, and were all scratched off the sheet. This is a popular resort in the summer season. A church spire and an indian school cupola 500 meters south of church form conspicuous landmarks for boats running for Suquamish Dock or Agate Passage. The official in charge of the Indian Reservation informed me that school would probably be moved in a few years. Other buildings are not very prominent as they are more or less hidden in the trees, the land being only partly cleared back of the dock.

On Pt. Agate there is a dwelling house and several outhouses. Along the shore from Δ (to \odot Ed) Bluff there are three or four houses and shacks, which were not located because they are hidden among the trees and inconspicuous. The dock which is shown 300 meters south of Δ Ed is at present in very poor condition, several piles having disappeared. It is not used by the passenger boats at the present time.

Great changes have occurred at Port Madison. The mill with its secondary buildings shown on the old chart was destroyed by fire many years ago. The wharf dotted on old chart does not exist at present. There is a rumor that the dock shown on the sheet is to be moved further north as the present site is unsuitable for passenger boats to land at low water. Almost all the houses as shown on the old chart have been removed or are at present old dilapidated shacks and have been scratched off the chart and new substantial buildings added. Port Madison is primarily a summer home for Seattle people. The signal "Flo" is placed on a pile near the end of a floating wharf. A mill is now located at the place marked \odot Mill on the sheet. There is a settlement of Norwegians at the Head of the Bay, who are

clearing the land very rapidly. They have several floating docks which were not considered permanent enough to be placed on the sheet, excepting the one on which @ Mud is located. There is a telephone cable crossing the bay at Port Madison and is indicated by a broken line, and marked Cable. The shoreline where the old mill was located is shown by a red line.

The light on Pt. Monroe as shown on the old chart has been moved about 200 meters to the westward and is shown on the sheet as \triangle Light. There are a few houses on the spit as shown on sheet. There is also a settlement in the light to the Southeastward of \triangle Light.

The old dock $\frac{1}{2}$ mile south of \triangle Roe was relocated as it was used as a hydrographic signal and found correct. This dock is closed and is in a very delapidated condition, and is unsafe for use at present. There is a small settlement here, the houses of which are located on the sheet. The shore from this point to the southern limit of the sheet was not revised, although it was observed that there are several houses which are prominent from the water. This section was not covered because lack of time and its remoteness from Poulsbo.

There is a telephone cable crossing northern end of Agate Passage.

About 300 meters north of \triangle Ridge is the remains of an old dock, which was abandoned because of difficulty of landing, due to strong tide in the passage, and the outermost piling removed. There is enough left of the dock to afford a landing for rowboats at high tide.

The house shown on old chart at Seabold has been removed and another one built with a number of small outhouses a little farther south and is shown between the "S" and "E" in "Seabold". About a half mile south of the old location of Seabold is a dock called "Seabold" and about $\frac{1}{4}$ mile farther is another dock called Seabold Dock. Since there is a large settlement back of the northerly dock it is believed the name "Seabold" on future charts should be behind the dock farthest north. The ground between these docks is nearly all cleared, there being a wooded area near the shore which is indicated on the sheet and marked, not cleared.

The houses shown at Manzanita on the old chart were removed years ago and new houses built in their places. A dock has been built here and a great deal of the land cleared and put under cultivation.

A half mile S.E. of Manzanita Dock is a floating dock with a sign marked "Seattle Yacht Club". At inshore end of Manzanita Dock is a two story white building which is a very prominent landmark, easily distinguished for several miles.

Between \triangle Nita and \triangle Boulder there is a settlement and dock called Venice. A quarter of a mile southward of \triangle Boulder there were found several houses as located on the sheet.

The remainder of the area upon the sheet to the southward was revised by C. G. Quillian in 1915.

Along the west side of the Channel from \triangle Tin to \triangle Pod there are a few houses hidden among the trees which were not located because their non-importance as hydrographic aids, excepting a large 2 story square blue house on top of bluff back of \triangle Pod. This house is conspicuous.

The limits of the Pacific Torpedo Station at Keyport is determined by a line running east and west at its southern limit and a N. & S. line for its west boundary and the waterfront for the north and south boundaries. The south and west boundary lines were located by taking a fix with a sextant at their intersections with the shore.

From the officer in charge of the station it was learned that most of the buildings at the station would be torn down in future and new buildings put up, so only a few which he said might remain, were located. There is a private dock at the station as shown on sheet, which has a small storehouse at the outer end and a float moored alongside from which torpedos are fired. A torpedo range has been layed off to the south and is shown on the boat-sheets. A flagpole and a dark green water tank (not prominent) were located as landmarks at this station, besides two wireless towers which when completed will be 400 feet high and are 900 feet apart. These towers are nearly completed and are the most prominent landmarks on the sheet.

The dock shown on F. H. Hardy's sheet at Keyport was copied, and a road added which has recently been constructed. The two towers for carrying the power transmission wires across the water called \odot Tell and \odot Wire were transferred from smooth sheet because they are aids to navigation, being from 150 to 200 feet high. The Indian reserve which is shown on the sheet is being gradually sold to the whites. The boundaries of the reserve were partly surveyed and partly taken off a map furnished by the official in charge of reserve.

METHODS.

The sheet was frequently examined in the field for distortion and found distorted from \odot to 10 meters in longitude. In orienting the table the distortion was measured and allowed for according to instructions of Coast Survey Plane Table Manual.

For locating a dock, generally a point was located on a dock either by triangulation, or stadia and the rest of dock rodded. Although the location of dock west of \triangle Out was located by the 3 pt. Problem.

A line was run from \triangle Out to \odot Gun~~s~~ from which \odot Go was located. This line was run by sighting to a point ahead and locating this point by resetting upon \triangle Roe and checking on all signals in sight. A line was run from \odot Gun to northern limit of sheet by reading the rod ahead as far as possible and then setting up about same distant on other side and reading back, the azimuth

carried by sighting ahead to some natural object on beach for the next set up. C Lot and C Sal--two houses used for signals and C Pile and C Fog and houses on President Pt. were located from this line. C Ced at Port Madison was located by sextant cuts.

The houses near Pt. Monroe were located by stadia traverses.

The details at Port Madison were rodded in from a stadia traverse from \triangle Dock. The signals for hydrography in harbor were located by plane-table. The resection method was used for running a line to head of bay and the signals were located by intersections, frequent check cuts were taken and signals at end of line were checked by stadia. The shore line at head of bay was found to be slightly different from the old chart, and is shown in red on sheet. The houses in Squaib Bay were located by cuts from Pts. sand on Spit at entrance to bay.

A stadia traverse was run from \triangle Nita from which the houses in the vicinity of Manzanita were located by cuts and stadia.

The houses in vicinity of Seabold docks were located by cuts from \triangle Old, \triangle Sea, \triangle Spit and \triangle Grave.

The wireless towers at Keyport were located by a stadia traverse from \triangle Key. The boundaries of the reservation were located by obtaining a fix on intersection of boundaries with shoreline.

INSTRUMENTS.

Plane Table outfit No. 101 was used, which is of the design shown on right hand side of plate No. 4 in Manual. I found this rod much harder to read than design shown on left side of plate which I used last summer.

Respectfully submitted,

P. A. Wheeler.

Asst. Aid., Coast & Geodetic Survey.

Approved

John A. Daniels

Assistant, Coast & Geodetic Survey,
Chief of Party.

LIST OF PLANE TABLE POSITIONS.

3675

	Lat.	DM.	Long.	DP.
Tell	47° 42'	569	122° 35'	731
Wire	47 42	966	122 35	648
Water Tower at Key Port	47 42	150	122 35	290
South Wireless tower at Keyport	47 41	1302	122 35	25
North Wireless tower at Keyport	47 41	1562	122 35	98
Chimney of square 2 story white house at Seabold	47 42	112	122 33	815
White House end at Manzanita Dock	47 40	1160	122 33	806
Spire of church at Seabold	47 42	142	122 33	555
Ind. School at Suquamish	47 43	1198	122 33	291
Church at Suquamish	47 43	1540	122 33	270
Bo	47 44	1309	122 28	1132
Lot-1½ story square white house between Pt Jefferson and Pt. President	47 45	731	122 28	405
Sal-2 story square white house between Pt. Jefferson and Pt. President	47 45	837	122 28	337
Fog banner on end of Shinglebolt Shoot	47 45	1412	122 28	283
Pile in water	47 45	1213	122 28	10
Slash	47 40	1720	122 33	1059
Son	47 41	963	122 32	795
Pete	47 41	994	122 32	650
Ney	47 41	957	122 32	870
Bar	47 41	996	122 32	936
End	47 41	1062	122 32	1132
Mud	47 41	1180	122 32	1000
Dead	47 41	1306	122 32	837
Bum	47 41	1229	122 32	674
Te	47 41	1336	122 32	698
Ox	47 41	1414	122 32	815
Bul	47 41	1529	122 32	750
Cow	47 41	1489	122 32	580
Go	47 41	1509	122 32	459
Mill	47 41	1345	122 32	201
Buck	47 41	1721	122 32	209
Ram	47 41	1706	122 32	536
Dog	47 41	1761	122 32	43
Cat	47 42	35	132 32	04
Brid	47 41	1456	122 31	1200
Rek	47 41	1628	122 31	1075
Com	47 41	1723	122 31	768
Fish	47 42	250	122 31	1210
Pig	47 42	90	122 31	1107
Pol	47 42	294	122 31	935
Bluff	47 42	538	122 31	948
Gul	47 42	958	122 32	1194
Kis	47 42	90	122 31	754
Ho	47 42	259	122 31	895
Egg	47 42	230	122 31	756
Ced	47 42	736	122 32	10