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U. S. GEOLOGICAL SURVEY  
LIBRARY AND ARCHIVES  
JUL -7 1915  
Acc. No. 70710

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

\_\_\_\_\_  
Superintendent.

State: *Wash*

DESCRIPTIVE REPORT.

*J. P. H.* Sheet No. *3523*

LOCALITY:

\_\_\_\_\_  
1915

CHIEF OF PARTY:

*Hardy*

3523

# 3523

DEPARTMENT OF COMMERCE  
Coast & Geodetic Survey.

O. H. Tittmann, Supt.  
PUGET SOUND, WASHINGTON.  
LIBERTY (DOGFISH) BAY.

## DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET 1

Surveyed by the Steamer GEDNEY, March 1 to March 17, 1915.

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1. REPORT, LIMITS, SCALE, METHODS, OBSERVER.

I have the honor to report as follows upon topographic sheet 1, which shows the topography of Liberty (Dogfish) Bay, Washington; as done by a party from the Steamer GEDNEY. The scale used was 1:10,000, and the plane table used exclusively in the work. The work was done by a party in charge of Leroy P. Raynor, Aid, C. & G. Survey.

2. CONTROL, TRAVERSES, CONTOURS, HEIGHTS.

The shore line traverses, none of which were much over a mile in length, were all closed upon points located by triangulation. The greatest error of closure was about 6 meters. Two unchecked traverses were run; one from  $\Delta$  Ex out the Port Gamble road for a distance of about 2-1/2 miles; and one which had its start at  $\Delta$  Lost, ran out the road to Bremerton for about a mile. All heights and elevations are above high water level. As all the contours were sketched in from the shore, and the country is quite heavily wooded in many places, too much dependence can not be placed on their accuracy. In several cases, noted on the chart, the elevation of a tree top is given. These trees vary in height from about 80 feet to 120 feet. The contour interval is 20 feet.

3. CHARACTER OF SHORE LINE, VEGETATION, HILLS.

The shore is composed of sand or sand and pebble beaches. The banks along the shore are from 5 to 15 feet high. Erosion along these banks is slow in most places due to lack of much frost. At high tide, the banks are damaged by the wash from the few steamers running up Bay. The land rises quite gently back from the shore on both the east and west sides. There are several small points and shallow indentations, nearly dry at low water, along the west shore of the bay. There is a big tidal flat at the head of the bay into which runs quite a large stream of water. The road to Port Gamble, passing over a trestle at the head of the bay has only a slight gradient as far as the survey was made, due to its following the valley line. There is a thick growth of evergreen trees on the hill-tops and side slopes except where the land has been cleared for farming.

4. GENERAL REMARKS, VILLAGES, OCCUPATIONS, FARMING, FISHING, LUMBERING, TRADE.

Most of the people settled in this locality are of Scandinavian origin. Poulsbo, the principal village is situated on the eastern shore of the Bay, while on the west side are docks bearing the names of Scandia and Pearson. Lemolo is the name given to the first landing inside the Bay. At Poulsbo are situated an Orphan Home and an Old Peoples Home founded by followers of the Lutheran Faith. The principal occupation is farming of a general character, and as a rule mostly for home use. Poultry and eggs form probably, the largest item of export in the farm products. Grain and hay is imported quite extensively. There several small oyster beds which with care have proved profitable to the owners. A station for salting and drying codfish for the wholesale trade is located at the southern end of the village of Poulsbo. Three schooners running from this station, were preparing for the coming fishing season, while this survey was in progress. There is a small saw-mill at the head of the bay, which supplies the surrounding country with lumber, the logs being cut nearby. At the time the survey was made three steamers, carrying passengers and freight, had a regular run between Seattle and the various docks in the bay, two trips being made a day. There is some summer resort trade, but owing to the distance from Seattle about twenty miles, it is not very large.

5. GEOGRAPHIC NAMES.

Below is given a list of geographic names as used by residents; the old chart name Dogfish Bay is not used locally, Liberty Bay being substituted.

Liberty (Dogfish) Bay	Pearson
Poulsbo	Scandia
Lemolo	

6. MAGNETIC DECLINATION.

The magnetic declination was determined, using the declinator with the table in orientation at stations Rock and Lost. The result at the former station was N. 23 36' E. , while at the latter N. 23 02' E. was obtained.

Respectfully submitted,

(Signed) H. P. Rayner.

APPROVED:

Aid, C. & G. Survey.

*J. E. Standley*  
Assistant, C. & G. Survey,  
Commanding.

U. S. Navy Yard, Bremerton, Wash.  
March 29, 1915.

## List of Planetable Positions

## LIBERTY (Dogfish) BAY

Station	Elev. Appr.	Latitude		D.M. meters	Longitude		D.P. meters	Remarks
		0	1		0	1		
Rock 1880	3ft.	47	42	15575	122	37	7596	Lone boulder on shore
And.	14ft.	47	43	781 1072	122	38	186 1065	Flag on pole
Bert	---	47	43	846 1007	122	38	257 994	Flag on pole
Got	12ft	47	43	711 1142	122	38	350 901	Flag on dolphin
Cod	23	47	43	862.6 990.4	122	38	321.8 928.7	Triangulation sta. on knoll by Codfish plant
Scale	7ft	47	43	876 1037	122	38	360 891	cloth sig. in angle of wharf
Blad	7ft	47	43	824 1029	122	38	867 894	cloth sig. in angle of wharf
Ping	10ft	47	43	890 963	122	38	353 898	cloth sig. cor. of shed near Codfish pl <sub>g</sub>
Lum	8ft	47	43	965 888	122	38	372 879	signal on corner of house
Mot	8ft	47	43	1047 806	122	38	382 869	sig. on pillar at cor. of house
Nob	14ft	47	43	1176 677	122	38	654 597	sig. on pile, end of broken wharf
Oat	10ft	47	43	1489 364	122	38	741 510	sig. on pole on shore
Pres	10ft	47	43	1658 195	122	38	753 497	sig. on pole bottom of bank
Rap	15ft	47	43	1737 116	122	38	853 397	sig. on pile cor. of wharf no conn. to shore
Qvi	15ft	47	43	1844 09	122	38	860 380	sig. on side of used wharf.
Son	10ft	47	44	55 1798	122	38	880 370	sig. on new wharf front of concrete bldg
Dab	15ft	47	44	116 1737	122	38	942 308	pole sig. side wharf Paulsbo
Tub	15ft.	47	44	06 1847	122	38	1010 248	sig. angle wharf Paulsbo

Station	Elev approx	Latitude		D.M.	Longitude		D.P.	Remarks
Poulsbo	17ft	47	44	310.1 15428	122	38	1086.2 1640	Marked Δ near church
Ex	7ft	47	44	794.0 1059.0	122	39	263.6	Marked Δ sta. west side of head Liberty (Dogfish Bay)
Stream	7ft	47	44	00.0 1852.8	122	39	632.8 617.3	Marked Δ sta. west side of Liberty Bay N. of Long dock
Alp	15ft	47	43	1581 272	122	39	740 510	sig. on pole w. side shore end long dock
But	15ft	47	43	1443 410	122	39	535 715	flag on pole w. side long dock at turnout
Car	15ft	47	43	1302 551	122	39	334 916	sig. near outer end long dock, west side
Pile	12ft	47	43	1168 685	122	39	649 601	sig. on pile w. of long dock
Lost marked Δ station	7ft	47	43	411.7 1441.3	122	39	2340 1016.5	on small point west side of Bay
Point marked Δ station	4ft	47	42	13348 518.2	122	38	134.6 1160	Long narrow point west side entrance to Liberty Bay
Jackman (1880) marked Δ station	3ft	47	42	610.6 1242.4	122	37	981.9 268.7	Recovered station
Tel	43ft	47	42	527 1326	122	37	686 565	High cable tower south shore
Wire	---	47	42	924 929	122	37	602 649	High cable tower on pt. at narrows
Longmine (1880) marked Δ station	16	47	42	554.4 1298.7	122	37	1601 1090.9	Recovered station
Der	10ft	47	43	843 1070	122	38	323 928	southeast cor. of codfish shed
Kat	10ft	47	43	921 932	122	38	355 896	telephone pole near codfish sta.
Eat	72ft	47	44	198 1655	122	38	758 492	flag pole front white house
Mant	38ft	47	44	385 1468	122	38	1053 197	flag pole
Toll		47	44	115 1738	122	38	675 575	church spire