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Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

O. H. Tittmann  
Superintendent.

State: Alaska

DESCRIPTIVE REPORT.

Life. Sheet No. 3447

LOCALITY:

Tonowek Bay, Tonowek Narrows &

Nagzuk Bay

1914

CHIEF OF PARTY:

3447

TOPOGRAPHIC SHEET

#X

3447

TONOWEK BAY & NARROWS to SOUTHERN PART SEA OTTER SOUND.

WEST COAST PRINCE OF WALES ISLAND

S . E . ALASKA

SCALE 1 to 10,000

H.Leypoldt, Aid Topographer

Inked by H.Leypoldt, Aid.

Steamer Gedney,

F.H.Harby, Assistant, Commanding.

May 1 to June 14, 1914.

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET # \* 3447.

This sheet is a planetable survey of the section between Tonowek Bay and the southern part of Sea Otter Sound on the west coast of Prince of Wales Island, S.E. Alaska on a 1-10,000 scale, having triangulation control throughout the main channels and a number of recovered stations in the Sea Otter Sound region.

The coast line has the appearance of most the S.E. Alaska shoreline, a broken indented succession of steep-to shores and rocky and shingle beaches. The formation is volcanic in most places, with some conglomerate structures due to upheaval. The volcanic formation varies from a hard, honeycombed rock to a smooth, hard composition formed in alternate layers of light and dark brown glassy rock. The beaches are rocky and shingle; the rocky beaches are composed of smooth stones up to a foot in diameter interspersed with shingle and in some places, broken shell. Between  $\Delta$  Napul and  $\Delta$  Rex are four white cliffs, three of which are prominent, being 30 meters wide and sixty feet high. Higher up the slope are a number of blue appearing cliffs, also prominent.

The entire region is covered with a dense growth of fir, spruce and cedar, with a few alders near the shore. The area in back of  $\Delta$  Bato shows the traces of a small forest fire and has a conspicuous appearance.

Watering places are scarce, the best place being at Swift's Cannery, where it is piped to the dock or the creek near  $\odot$  Doc, where it can be boated. The tide rips and swirls in the narrows occur at the time of strongest current and are not dangerous even to a small boat.

On the point where  $\odot$  Mast is located is the grave of an Indian which is a prominent landmark. The large house, now deserted, in the arm back of  $\Delta$  Surp is conspicuous from the Narrows.

The elevations are given to the tree tops and the contours drawn in for an elevation 100 feet less, this being an allowance for the height of the trees on the hilltops.

Respectfully

*Approved*  
*Harry Leybold, Ad*

C. & G. SURVEY,  
LIBRARY AND ARCHIVES  
AUG 21 1914  
Acc. No. ....

*Top = 3447.*  
LIST OF

D.M's and D.P's

of

TOPOGRAPHIC SIGNALS IN VICINITY

of

TONOWEK BAY, TONOWEK NARROWS & NOSSUK BAY,

W. COAST, PRINCE OF WALES IS.

S.E. ALASKA.

JUNE 1914.

FORM 167.

Department of Commerce and Labor

COAST AND GEODETIC SURVEY

Washington, *10. 31, 1914*

Respectfully { returned }  
                  { referred } to  
                  { forwarded }

11-633

*Library -*

*These two photo copies  
should be attached  
to Descriptive Report  
Hydro. Sheet 3447.*

*Done*

Box 200 Burke Building. Seattle, Wash.

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RECEIVED

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY Str. GEDNEY.

Seattle, Wash.

October 12, 1914.

To the Superintendent.

Coast & Geodetic Survey.

Washington, D. C.

Sir:-

In reply to your letter of the 25th ultimo initialed J.J.G.-  
F.H.D. I have the honor to make the following statements as to the  
control of the topographic work in question.

A scheme of triangulation was carried from Asst. Dericksons  
work 1913 in Tonowek Bay through to the work of Asst. Dickens in 1904  
in Sea Otter Sound. The points located by triangulation were plotted  
on the topographic sheet and afford good control for the work in ques-  
tion.

The topography in question was rodged as shown on sketch.

Another check on the work was made when the topographer  
came around the island on which the  $\triangle$  Siam is located on its south-  
ern and eastern shores from  $\triangle$  Hug and  $\triangle$  Echo shown on sheet No. 5  
and joined the work referred to on sheet No. 1 .

Both my sheets above referred to were done by Harry Leypoldt,  
Aid, who is a good topographer with lots of experience.

Very Respectfully.

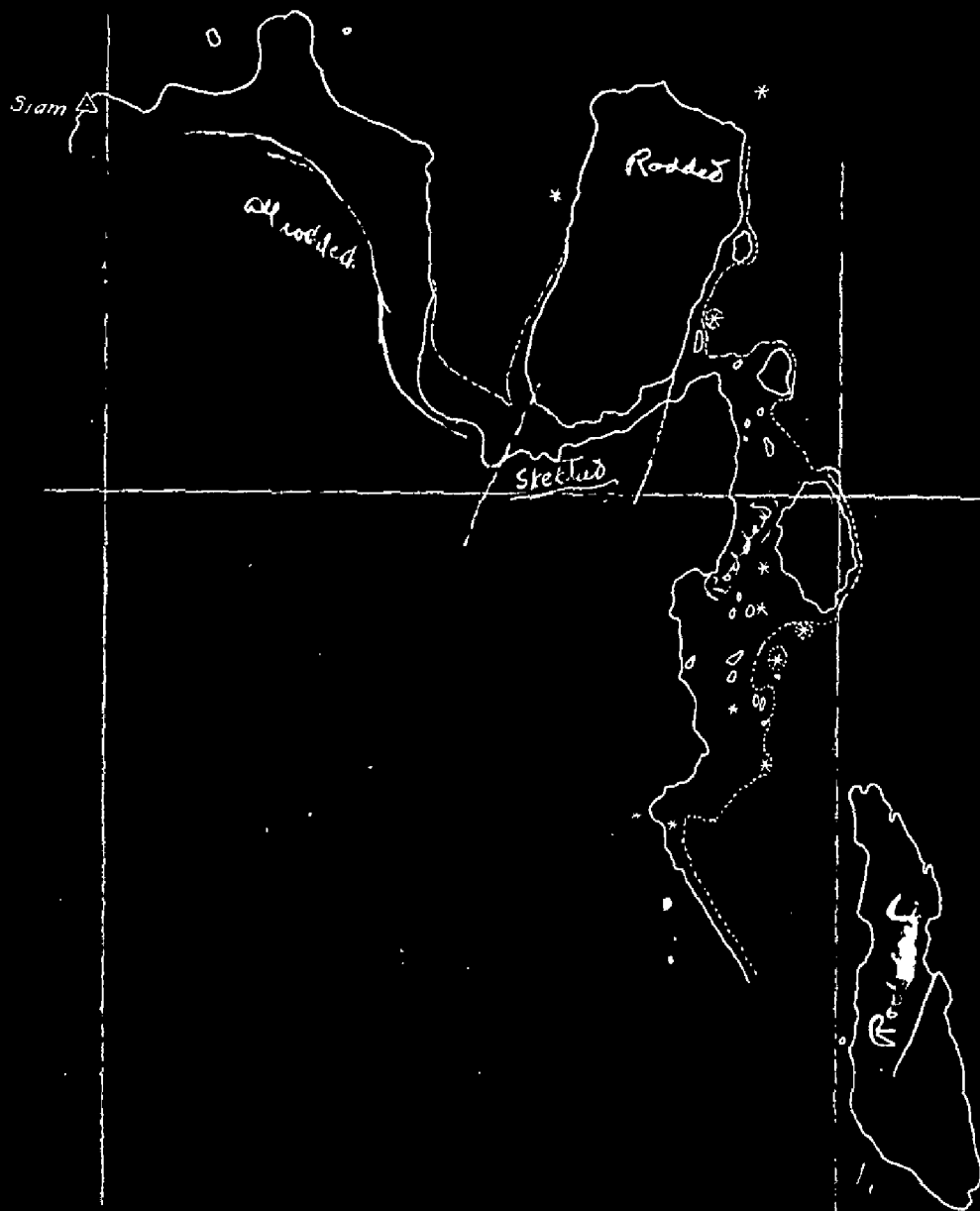
*H. J. Hardy*  
Assistant, C. & G. Survey.  
Commanding Str. GEDNEY.

Top<sup>s</sup> 3447

F.H. Hardy

1914

Gonowick Bay



# *accomp Loss Report T-3447* ①

All ✓	55	43	1467 388	133	20	182 8 64	
Artan		44	1488 367		17	277 769	
Bad ✓		43	1759 96		20	82 964	Unmarked
Bal ✓		43	1342 513		20	570 475	Rock unmarked recoverable
Ban ✓		44	1291 564		20	796 249	Unmarked
Bar ✓		43	463 1392		19	554 492	"
Baty		43	1290 565		20	577 468	"
Bur		44	1057 798		16	971 75	"
Cab ✓		43	279 1576		23	485 562	"
Cud		44	752 1103		17	806 240	"
Dan		42	1825 30		23	1002 45	"
Ded ✓		43	1627 228		21	336 710	Dead Tree Unmarked Recoverable
Do ✓		43	1768 87		20	643 403	Unmarked
Doc ✓		45	908 947		21	149 896	"
Drift ✓		45	396 1460		21	644 402	"
Dub		44	781 1074		17	111 934	"
Eb		42	1709 146		23	563 484	"
Elm		43	166 1690		17	896 150	"



Name	Latitude	Seconds in meters	Longitude	Seconds in meters	
Fill	55	42 1463 392	133 23	956 90	Unmarked
Fir ✓		43 1549 306	20	365 680	"
Find ✓		44 650 1206	20	625 421	"
Fun		44 180 1675	17	388 657	"
Gul ✓		44 144 1711	18	904 142	Boulder Unmarked Recoverable
Hang		43 1377 477	21	100 946	Unmarked
Hen ✓		42 1328 527	20	560	" <i>rest 460</i>
Here ✓		44 1053 802	20	876 169	"
Hoe ✓		44 663 1193	20	122 924	"
Hut ✓		43 1428 427	21	382 664	"
Isle ✓		44 272 1583	22	947	"
Kūa(Kux) ✓		44 1272 583	16 16	605 441	
Jo ✓		44 557 1298	21	249 796	Boulder unmarked recoverable
Lūm ✓		44 392 1463	20	341 705	Unmarked
Mort		44 1553 303	19	757 288	"
Ner		43 578 1277	18	860 184	"
Pat ✓		43 262 1593	20	52 994	"
Pat ✓		43 1505 350	19	1015 22	"

Accomp. Rec. Report T-3447<sup>3</sup>

Name	Latitude	Seconds in meters	Longitude	Seconds in meters	
Pic ✓	55	44 1390 465	133 23	615 431	Unmarked
Pie ✓		43 906 949	21	178 869	"
Ran		45 1686 169	18	175 871	"
See ✓		44 1468 386	20	103 942	"
Ski ✓		43 1245 610	20	242 804	"
Stone ✓		43 889 966	22	20 1026	Boulder Unmarked Recoverable
Trap ✓		45 822 1033	18	932 114	Largest pile of fish-trap recov.
Tree ✓		44 1248 607	18	808 238	One tree unmarked recoverable
Unk ✓		44 1728 127	17	314 732	Unmarked
Vim ✓		43 760 1495	20	345 701	"
Wig ✓		43 366 1490	21	13 1034	Unmarked
Wise ✓		44 472 1383	20	473 1380 109	"