

4051

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: S.E. Alaska

11-5613

DESCRIPTIVE REPORT.

Topog. Sheet No. (FF) 4051

LOCALITY:

W. Coast Prince of Wales I.

El. Capitan Passage --

Sarkar Cove

Cap l. to Hub Rock

1923

CHIEF OF PARTY:

T.J. Maher

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DEPARTMENT OF COMMERCE.

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U. S. COAST AND GEODETIC SURVEY.

COLONEL E. LESTER JONES, DIRECTOR.

OFFICE

DR

TO

4051

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC sheet of survey of

EL CAPITAN PASS

(Lake East of Deweyville.)

U. S. S. SURVEYOR.

1923

C. K. Green

Topographer.

T. J. Maher

Chief of Party.

DESCRIPTIVE REPORT

to accompany

Topographic sheet "FF" Deweyville, El Capitan Pass.

This sheet shows the topography of the fresh water lake east of Deweyville; the lake being too large to fall within the limits of sheet "F". The scale is 1 : 10 000.

The Topography from eBon to eTry was transferred from sheet "F", also the projection intersections of the vicinity. The plane table was set up at eBon and oriented on eTry, and the magnetic North drawn on the sheet with the declinoire. A traverse was carried into the south wing of the lake, using the line eBon to Try for orientation. Each set-up was checked for magnetic north, and it was found that no local attraction of more than one degree existed at any setup along the traverse.

On account of the necessity of many short sights, it was found advisable to use the magnetic north line for orientation, in the north wing of the lake.

The lake is connected with sea level by a series of rapids, from eBon to eCox. The lower end of the lake is brackish, while the upper ends are fresh. On average tides there is about twenty hours of ebb out of the lake and four hours of flood. The small amount of tide (about two feet) in the lake is mostly caused by rainfall. On October 11, 1923 the current changed from ebb to flood at 11:30 A.M. (135 mer. time) at eCox. There was a change from one knot ebb to one knot flood within five minutes. Boats drawing two feet have passed over the rapids at extreme high slack water.

This is the most important red salmon (sockeye) lake on the West Coast of Prince of Wales Id.

The country, including all the islands, is heavily wooded with a good stand of Spruce, Hemlock and Cedar. Game is plentiful.

The outcrop along the shores, especially in the southern wing is mostly marble.

Many small creeks enter the lake. The stream at the North end (near Iowa) is about twenty-five feet wide and carries quite a volume. The stream at the south end (between Lig and Mont) is the second largest in the lake, and according to local information, leads to another lake further back in the hills.

Elevations are to the ground. 125 feet was used as the average height of trees. This amount was subtracted from the computed elevations, giving the heights that appear on the sheet.

There is no commonly used name for the lake.

Chas. K. Green, Lieut.

Chas. K. Green

U.S.S. SURVEYOR
T.J. Maher, Cmdg.

SE Alaska.
1923.

List of D.M. and D.P. of Hydrographic signals of the lake at Dewey-
ville, El Capitan Pass, S.E. Alaska.

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Remarks.</u>
Pix	55 56	1827	133 14	101	Description of
Mont	55	1258	12	957	all these stations
Liq	56	57	13	184	are: - White wash on
Cent	56	475	13	250	rocks or tree trunks.
Halt	56	706	13	455	No permanent marks
Rain	56	962	13	672	were placed.
Fen	56	1141	13	50	
Sum	56	1152	13	376	
Doe	56	1202	13	669	
Dol	56	1246	13	200	
Gup	56	1311	13	217	
Nun	56	1305	13	447	
Flox	56	1331	13	664	
Mat	56	1350	13	296	
Gal	56	1395	13	135	
Pig	56	1425	13	39	
Fiu	56	1414	13	574	
Am	56	1428	13	467	
Web	56	1547	13	833	
Hill	56	1703	13	810	
Nig	56	1755	13	165	
Ida	56	191	12	909	
Cal	56	220	12	731	
Ore	56	637	12	842	
Mex	56	964	12	739	

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Remarks.</u>
Ari	55 56	1108	133 12	788	
Ala	56	1206	12	476	
Miss	56	1312	12	861	
Lo	56	1452	12	310	
Mary	56	1643	12	220	
State	56	1751	12	901	
New	56	1742	12	882	
York	56	1740	12	907	
Rup	56	1835	12	425	
Vir	56	1841	12	250	
Ned	57	67	12	775	
Car	57	125	12	133	
Wink	57	213	12	720	
Bink	57	362	12	314	
Law	57	395	12	497	
Pus	57	465	12	60	
Bung	57	553	12	600	
Neb	57	629	12	270	
Dak	57	654	12	233	
Tenn	57	1022	12	207	
Ken	57	1140	12	401	
Tap	57	406	12	875	
Cox	57	129	13	925	
Card	57	143	13	363	
Tern	57	261	13	11	
Pope	57	320	13	445	
Nev	57	289	11	947	
Main	57	433	11	780	

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Remarks.</u>
Mass	55 57	683	133 11	977	
Cal	57	898	11	616	
Penn	57	1135	11	676	
Ind.	57	1310	11	866	
Ohio	57	1382	11	520	
Iowa	57	1670	11	574	

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C.M.

This survey is entirely a traverse. Concerning the character of the country, it is too long to permit the work to be done, with the standards of accuracy required for topographic surveys. Manipulation could have been extended so as to cover this area, but it would have meant the use of the ship's party as the occupation of mountain stations would have been necessary. The ship could not be with drawn from the work on which it was engaged, for that purpose. Attention is called to the fact that this survey is entirely a compass traverse.

J. H. Baker
Comdg. Str. Surveyor.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

On Deweyville 4051
El Capitan Pass

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

(FF) Register No. 4051

4051

State S.E. Alaska
General locality West Coast Prince of Wales Island.
Locality El Capitan ^{Passage} Pass - Sarkar Cove.
Chief of party Thos. J. Maher
Surveyed by Chas. K. Green
Date of survey 1923
Scale 1 : 10,000
Heights in feet above . . Mean High Water
Contour interval 100. . feet.
Inked by A.W. Skilling. Lettered by A.W. Skilling . . .
Records accompanying sheet (check those forwarded): Photographs,
Descriptive report, Horizontal angle books, Field computations,
Data from other sources affecting sheet

Remarks: