

4405

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. LESTER JONES, Director

G. & G. SURVEY

L. & A.

APR 6 1929

Ass. No.

State: CALIFORNIA

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No.

4405

LOCALITY

Point Saint George

LAKE EARL

~~NORTH OF CRESCENT CITY~~

~~NORTHERN CALIFORNIA~~

1928

CHIEF OF PARTY

T. G. ENGLE, H. & G. ENGINEER

GOVERNMENT PRINTING OFFICE

4405

A traverse was run from triangulation station Tank at the Radio Station north along the beach to Triangulation station Dune. The traverse was checked at the two intervening triangulation stations New and Pipe and minor discrepancies adjusted. While running this traverse the signals were located.

Flags were planted on prominent points between the lakes and also around the shore of Lake Earl. These were located by plane-table triangulation and later used as control for running in the details of the sheet including the shore-line of the two lakes,

Starting at flag No 1 a traverse was run south and around Lake Earl. The traverse was checked at each of the flags that had been previously located. All traverses checked within the allowable error. All the details shown on the sheet were located by rod readings. A traverse was also run around Lake Tollawa starting at triangulation station Pipe and ending at triangulation station New.

Party consisted of one officer, three men; using a White Truck.

Work on this sheet was executed from Aug. 3, to Aug 29th, 1928, according to instructions dated March 13, 1928.

Magnetic declination scaled	20° 36'
Declinatoire correction	0° 5.9'
Declination observed	20° 41.9'

RESPECTFULLY SUBMITTED,

A.C. Thorson
A.C. THORSON, Jr. H&G E.
TOPOGRAPHER.

APPROVED AND FORWARDED,

F.G. Engle
F.G. ENGLE, H&G E.
Chief of Party.
Condy Swanner

Inspected and found adequate.

E. P. ...

July, 1929

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET NO. _____ SCALE 1:10,000

COAST OF NORTHERN CALIFORNIA

NORTH OF CRESCENT CITY

LIMITS: THIS sheet includes the shore-line of northern California north of Crescent City, between the latitudes, $41^{\circ} 47'$ and $41^{\circ} 53'$ North and extending inland as much as three miles so as to include Lake Tollawa and Lake Earl and surrounding territory.

TALAWA correct spelling

GENERAL DESCRIPTION: THE shore-line on this sheet is flat and sandy. From Point Saint George to the northern limits of the sheet low sand dunes extend inland. South of Lake Tollawa the dunes covered with a scant growth of grass extend inland a quarter of a mile or more where they meet a dense growth of scrub pine. The territory north of Lake Tollawa and between Lake Earl and the ocean is covered with dunes, grassy pasture land and some patches of brush as shown on the sheet.

The lakes are shallow and their limits are seasonal. The low water line as shown by a dash line on the sheet is the extent of the water during the dry summer season. During the rainy season the lakes cover considerable more territory. The area between the low and high water lines is grass covered and affords good summer pasture. There is a heavy growth of swamp grass around most of the low water line in Lake Earl. The greater portion of Lake Earl is surrounded with a growth of pines.

The neck of sand between Lake Tollawa and the ocean is open during the rainy season.

A hand propelled ferry operates across the narrows between the two lakes.

CHANGES IN SHORE LINE: Only a slight change in the ocean shore-line was noted on this sheet. The shore line of Lake Tollawa has receded due to drifting sands that are gradually filling the lake.

SURVEY METHODS: The triangulation stations, Point St. George Radio station Tank, New, Pipe and Dune were used, control for this sheet.

Twenty-five signals were built and twenty three of them were used for hydrography. Those used for hydrography were; Post, End, Wash, Cat, Sign, Nat, Smi, Root, Quad, Pen, Ned, Pod, Wen, Sim, Bob, Lago, Try, Ban, Log, Pole, Tree, Nox, and Maud. None of these signals were permanently marked.

PLANE TABLE POSITIONS.

Object	Latitude D.M.			Longitude D.P.			Height feet	Remarks
	0	'	meters	0	'	meters		
Post	41	52	1420	124	12	762	10	Post erected and white washed.
End	41	52	413	124	12	965	8	Pole and Sq. cross banner
Wash	41	51	1776	124	12	1033	16	Sq. banner on sand dune.
Cat	41	51	1377	124	12	1120	12	Pole and square banner.
Sign	41	51	1032	124	12	1181	18	Tripod covered white cloth.
Nat	41	51	210	124	12	1372	10	White washed pile of driftwood
Smi	41	50	1533	124	13	66	15	Tripod covered with cloth on top of sand dune
Root	41	50	1168	124	13	247	5	Rood of log white washed
Quad	41	50	411	124	13	398	12	Pole with sq. cross banner
Pen	41	50	84	124	13	509	15	Pennant on pole
Ned	41	49	1453	124	13	636	12	Pole and square banner
Pod	41	49	1123	124	13	733	10	Tripod covered with white cloth
Wen	41	49	400	124	13	975	13	Pile of driftwood white washed
Sim	41	49	82	124	13	1101	16	Pole with cross banner
Bob	41	48	1564	124	13	1228	8	White washed log on the beach.
Lago	41	48	1201	124	13	1336	15	Tripod covered with white cloth

PLANE TABLE POSITIONS(Cont.)

Object	Latitude		D.M. Meters	Longitude		D.M. Meters	Height Feet	Remarks
	o	'		o	'			
Try	41	48	551	124	14	213	15	Tripod covered with white cloth
Ban	41	48	215	124	14	357	18	Pole with cross banner on top of sand dune
Log	41	47	1721	124	14	512	6	White washed log
Pole	41	47	1368	124	14	662	15	White washed pole
Tree	41	47	1022	124	14	847	6	Root of tree white washed
Nox	41	47	694	124	14	1072	14	Pole with cross banner
Maud	41	47	381	124	14	1300	23	Telephone pole with white washed boards

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by PICT.

STATISTICS

Statute miles of shore line-----	6.73
Statute miles shore line of lakes-----	32.20
Statute miles of creeks-----	.70
Statute miles of roads-----	4.14
Square statute miles topography-----	11.00

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4405

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter EREGISTER NO. 4405State CALIFORNIAGeneral locality ~~NORTHERN CALIFORNIA~~ Point St. GeorgeLocality ~~NORTH OF CRESCENT CITY~~ Lake EarlScale 1:10,000 Date of survey AUG. 3 to 29, 19 28Vessel STR. DISCOVERERChief of Party F. G. ENGLESurveyed by A. C. THORSONInked by A. C. T.Heights in feet above MHW to ground XXXXXXXXXXXXContour XXXXXXXXXXXX Form line interval 20 feetInstructions dated MARCH 13, 1928

Remarks: