DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATON, Director

State: California

DESCRIPTIVE REPORT
Topographic Sheet No. 1 4513

LOCALITY
Northern California
Arcata Bay
Humboldt County

1929

CHIEF OF PARTY
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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 I

REGISTER NO. 4513

State California

General locality Northern California North of Cape Mendocino

Locality Arcata Bay, Humboldt County

Scale 1:10,000 Date of survey October 15–Nov. 30 1909

Vessel Party of A. P. Ratti, Project No. 34

Chief of Party A. P. Ratti

Surveyed by George R. Shelton

Inked by George R. Shelton

Heights in feet above H. W. to ground

Contour Approximate contour Form line interval feet

Instructions dated April 27, 1929

Remarks:

U.S. GOVERNMENT PRINTING OFFICE: 1903
DESCRIPTIVE REPORT
TO
ACCOMPANY TOPOGRAPHIC SHEET I ARCATA BAY

A. P. Ratti, Chief of Party Project No. 34

INSTRUCTIONS:
This survey was made under the Director's Instructions
dated April 27, 1929.

EXTENT:
This sheet comprises a revision survey of the north end of
Humboldt Bay known as Arcata Bay. This sheet is joined on the South
and West by topographic sheet F.

SURVEY METHODS:
The shore line and features were located by the usual plane
table survey methods. No trouble was experienced in keeping within the
allowable error in the traverses run. Adjustments were made in accord-
ance with the instructions in the topographic manual.

DESCRIPTION:
The area on the west side of the bay consists of sand dunes
sparsely covered with grass and trees. Beginning just South of Mad
River Slough and continuing around the north end of the bay to Eureka
Slough on the east side the area consists of grass land used for pasture
land by dairy farmers for the most part. This area was shown on sheet
T1176 as marsh land but has been reclaimed since date of survey by
dykes. The area shown as marsh land on this sheet covers at extreme
high water.

COMPARISON WITH SHEET T1176:
The beacons shown on this sheet were not shown on sheet
T1176. The positions of the beacons were determined by cuts from tri-
angulation stations and plane table positions. The small islet at tri-
angulation station Bird, baring one foot at high water, has been
formed by deposits of sand since the date of the last survey. Arcata
Wharf has been extended approximately 4/4 mi. The changes in the shore
line of this area are due to the construction of the dykes.

STATISTICS:

Statute miles of shore line --------------- 19.0
" " highway ------------------ 15.0
" " railroad ------------------ 19.1
" " sloughs ------------------ 20.4
Area in sq. stat. mi. --------------- 922.2

Respectfully submitted,

[Signature]

[Signature]
Chief of Party
## PLANE TABLE POSITIONS

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<th>Object and description</th>
<th>Latitude</th>
<th>D. M.</th>
<th>Longitude</th>
<th>D. M.</th>
<th>Remarks</th>
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<td>380</td>
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