DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton: Director

State: California

DESCRIPTIVE REPORT
Topographic Sheet No. F 4512

LOCALITY
Northern California
Humboldt Bay

1929

CHIEF OF PARTY
DESCRIPTIVE REPORT
TO
ACCOMPANY TOPOGRAPHIC SHEET F HUMBOLDT BAY
A. P. HATTI, CHIEF OF PARTY PROJECT NO. 34

INSTRUCTIONS:
This survey was made under instructions dated April 27, 1929.

EXTENT:
This sheet comprises a revision survey of the ocean shore line
from Samoa to a point three miles South of Humboldt Bar and of the bay
shore line and other topographic features from Eureka to a point one mile
South of Fields Landing. It is joined on the North by Sheet E and on the
South by Sheet G.

SURVEY METHODS:
The usual plane table survey methods were used in locating the
shore line and other topographic features on this sheet. All traverses
closed within the allowable error for traverses closures and were adjusted
according to instructions contained in the Topographic Manual.

DESCRIPTION:
A sand spit of about one half mile in width extends from Samoa
to the North jetty of Humboldt Bar. The sand spit consists of sand dunes
of varying size and height sparsely covered with grass. There is a small
grove of trees near Ralph.

Beginning at the South Jetty and extending beyond the limits of this sheet is a slow, narrow sand spit. There is little or no grass on this
sand spit. The land East of the Bay consists in low rolling hills somes of which are covered with small timber and others are grass covered.

COMPARISON WITH ORIGINAL SURVEY:
The ocean shore line has shifted by varying amounts. The bay
shore line was found to be in error in several places. Buhne Spit has
extended further into the bay. The shore line at the inner end of the
South Jetty has changed quite a bit. Humboldt Bluff has receded consi-
derably. Elk River has shifted about a mile to the North at the mouth.
The marsh near Bayside Mill no longer exists due to the construction of dyke.

STATISTICS:
Statute miles of shore line ------------------------ 35.8
" " highway ------------------------ 14.7
" " railroad ------------------------ 18.2
" " river ------------------------ 1.5
Area in sq. stat. mi. ------------------------ 22.8

Approved
Chief of Party
Respectfully submitted,

Augustus Hatti
Jr. H. & C. Engr.
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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 ___________

REGISTER NO. 4512

State. California

General locality. Northern California North of Cape Mendocino

Locality. Humboldt Bay

Scale 1:10,000 Date of survey October 1929

Vessel Party of A. E. 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:

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U. S. COAST AND GEODETIC SURVEY OFFICE 1929