

4512

Form 504  
Ed. June, 1923

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: California

DESCRIPTIVE REPORT

Topographic  
~~Hydrographic~~

Sheet No. F 4512

LOCALITY

Northern California

Humboldt Bay

1929

CHIEF OF PARTY

A. P. Ratti, H. & G. Engr.

DESCRIPTIVE REPORT  
TO  
ACCOMPANY TOPOGRAPHIC SHEET F HUMBOLDT BAY  
A. P. RATTI, 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 Rolph.

Beginning at the South Jetty and extending beyond the limits of this sheet is a low, narrow sand spit. There is little or no grass on this sand spit. The land East of the Bay consists in low rolling hills some 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 considerably. 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	33.8
" " " highway	14.7
" " " railroad	18.2
" " " river	1.5
Area in sq. stat. mi.	22.6

Approved

*Augustus P. Ratti*  
Chief of Party

Respectfully submitted,

*George R. Shelton*  
Jr. H. & G. Engr.

PLANE TABLE POSITIONS

*Recoverable objects and Landmarks.*

Object	Lat.		D. M.	Long.		D. P.	Height in Feet	Remarks
Goal	40	46	1409	124	12	1387		U. S. E. tripod
Sand	40	46	1234	124	12	1133	1033	U. S. E. "
Diz	40	46	846	124	13	307		U. S. E. "
Gof	40	45	1457	124	13	466		U. S. E. "
Hill	40	48	414	124	11	570	832	U. S. E. "
Mil	40	48	1483	124	11	1207		Mast of Milwaukee
Wreck	40	48	1430	124	11	1243		" " "
Blink	40	45	1630	124	14	763		Light on South Jetty
Elk2	40	44	1554	124	12	287		U. S. E. tripod
Lum	40	46	1482	124	11	808		Stack of Lumber Mill
Drift	40	48	800	124	11	458		U. S. E. tripod
Ben	40	48	460	124	11	578		U. S. E. tripod
Flag	40	48	249	124	11	642		U. S. E. tripod
Beacon F	40	48	691	124	10	1098		Lighted beacon
Look	40	45	1379	124	13	783		Coast Guard Lookout
Mast	40	45	1679	124	13	1251		Mast of old wreck
Con	40	44	1707	124	13	723		Pyrimidal beacon
Tall	40	44	1545	124	13	956		Tall tank
Two	40	44	1512	124	13	337		Beacon 2 post
Three	40	44	285	124	13	190		" 3 post
Post	40	44	70	124	13	131		Post light
Beacon 2	40	44	83	124	13	240		Beacon 2
Sig	40	44	1146	124	12	1350		U. S. E. tripod
Tank	40	44	1466	124	13	877		Small black tank

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REG. NO. 4512

## 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 F

REGISTER NO. 4512

State CaliforniaGeneral locality ~~Northern California~~ North of Cape MendocinoLocality Humboldt BayScale 1:10,000 Date of survey October, 19 29Vessel Party of A. P. Ratti Project No. 34Chief of Party A. P. RattiSurveyed by George R. SheltonInked by George R. SheltonHeights in feet above H. W. to ground ~~to tops of trees~~Contour Approximate contour Form line interval        feetInstructions dated April 27, 19 29Remarks: