

4606

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: California

DESCRIPTIVE REPORT

Topographic  
Hydrographic

Sheet No.  
#E

4606

LOCALITY

South San Francisco Bay

Marsh Pt. to Charleston Slough

1931

CHIEF OF PARTY

G. C. Jones

## DESCRIPTIVE REPORT

TO ACCOMPANY SHEET NO. E

PROJECT NO. 70, INSTRUCTIONS DATED SEPT. 8, 1930

### a. Description of Area:

The area covered by this sheet extends from Redwood Creek on the North, to Charleston Slough on the South, and from the shore line to the new Bay Shore Highway on the West.

This area consists of marsh, reclaimed and filled in land, and a few small salt ponds. There are several proposed projects for reclaiming still more of the marsh. The City of Palo Alto is at present working on a project of developing the area around Mayfield Slough as a recreation center. Two sketches, obtained from the Palo Alto City Engineers office, showing the proposed development are attached to the sheet. At present the construction of the swimming pool and the salt water lake is being carried on. The levees for this work have been partly constructed and are shown on the sheet. The sheet shows all the work which had been done up to Nov. 12, 1931. Part of the airport has been graded and is now in use, this portion has been shown on the sheet. The golf course, hydroplane basin, tidal lake, and the rowing and boating course will probably not be constructed for some time. It should be noted that the scale of the blue line print is given as 400 ft. to 1 in., and the graphical scale shows approximately 800 ft. to 1 in., the latter being more nearly correct.

The areas marked on the sheet as "reclaimed" have been levied off but have not been filled in. The areas marked as "filled area" have been filled sufficiently so that they could be called solid ground.

The Belle Haven Corporation, a realty and development company, has a project for the development of the entire marsh area from Redwood Creek to Ravenswood Slough. Part of this work has been done but at present no work is being carried on.

The salt ponds east of Redwood Creek are all old and are to be abandoned in the near future.

The area between the Bay Shore Highway and the marsh, and west of Longitude 122° 10' has been subdivided and lots are being sold, but these lots and streets have not yet been staked out.

From the mouth of the Mayfield and Charleston Sloughs there is a line of poles extending some 200 meters out in the bay. These poles were probably put in for dredging purposes as it is proposed to dredge a channel from the Palo Alto Yacht Harbor straight out to the main channel in the bay. These poles appear to be substantial and will probably remain for some time.

### b. Character of Control:

The topography was controlled by triangulation executed in 1925 and by this party in 1930-31.

c. Closing Errors of Traverses and How Adjusted:

Traverse	Error (Meters)	
	Distance	Azimuth
Trans. Tower, So. Side Redwood Creek to		
Trans. Tower at Bend West of Ravenswood Sl.	-7	2
Trans. Tower at Bend West of Ravenswood Sl. to		
Dum	-3	0
Dum to Trans. Tower No. Side Charleston Sl.	+5	3
Tank in Redwood City to Marsh	+4	0
Tank in Redwood City to Trans. Tower So. Side		
Redwood Creek	-3	4
Tank in Redwood City to Platform Belle Haven		
Subdivision	-7	3
Platform, Belle Haven Subd. to West near Cooleys		
Landing	-12	0
Platform, Belle Haven Subd. to Dum	+2	0
Platform, Belle Haven Subd. to Substation. No.		
Gable.	-3	2
West near Cooleys Landing to Bell Trans. Tower		
North Side of Charleston Slough	0	2
Platform Belle Haven Subd. to Trans. Tower		
South Side Redwood Creek. (Westpoint Sl.)	-5	4

These traverses were all adjusted by distributing the errors proportionally according to distance.

d. Description of Auxiliary Surveying Methods.

Three point fixes were used to check the traverses wherever possible, and any unusual errors were immediately investigated and corrected. The traverses were not run by three point fixes, these fixes were used as checks only.

Piles off shore were located by intersecting cuts from at least three setups.

e. Topographic Changes:

The development in the vicinity of the Hayfield and Charleston Sloughs has altered the courses of these sloughs and has changed marsh land into reclaimed land. Southwest of Ravenswood Slough a channel has been dredged from the Westpoint Slough south to the topo station, Platform on Landing, and some marsh has been reclaimed. The only other changes have been in the reclaiming and filling in of marsh land.

f. Geographic Names:

The names of all sloughs are the same as those shown on the charts. No name was given to the Hayfield Slough on the old charts. The name Hayfield is used locally and it is shown that way by the Palo Alto City Engineers maps.

g. Control for Airplane Photography.

A list of plane table positions of objects which can probably be identified for control of photographs is included at the end of the report.

h. Distortion of Sheet.

The maximum distortion of the sheet in the field was about 7 meters per mile expansion, excepting the northeast portion of the sheet which was water-soaked. This portion of the sheet did not include any topography and the triangulation stations were not used for control.

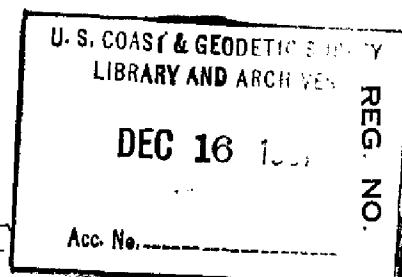
Approved

*H. C. Applequist*

H. C. Applequist

Aid

*G. E. Jones*  
G. E. Jones, H. & G. E.  
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 E

REGISTER NO. T-4606 4606

State CaliforniaGeneral locality South San Francisco BayLocality Marsh Pt.  
~~South San Francisco Bay~~ to Charleston SloughScale 1:10,000 Date of survey May & June, 1931, 19Vessel Project #70Chief of Party G. C. JonesSurveyed by H. C. ApplequistInked by H. C. ApplequistHeights in feet above HW to ground to tops of trees

Contour Approximate contour Form line interval \_\_\_\_\_ feet

Instructions dated Sept. 8, 1931, 19Remarks: With revision to November, 1930.