

4284

Diag. Cht. No. 5534

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*
Field No. _____ Office No. *4284*

LOCALITY

State *California*
General locality *Suisan Bay*
Locality *Simmons I to
Chippes I.*

1923

CHIEF OF PARTY

O. H. Swanson

LIBRARY & ARCHIVES

DATE _____

4284

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON January 23, 1924.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4284

Suisun Bay, California

Surveyed in 1923

Instructions dated March 1, 1922

Chief of Party, O. W. Swainson.

Surveyed by O. W. Swainson and M. O. Witherbee

Protracted and soundings plotted by C. I. Aslakson.

Verified and inked by A. L. Shalowitz.

1. The records conform to the requirements of the General Instructions. The figures were often carelessly written and sometimes nearly illegible. No descriptive report was submitted.
2. The plan and character of development fulfill the requirements of the General Instructions and satisfy the specific instructions.
3. The sounding line crossings are, in general, adequate.
4. The information is sufficient for drawing the usual depth curves except at the mouth of Suisun Cutoff.
5. The sheet was plotted in the office.
6. The adjacent contemporary surveys have not yet been plotted, hence it cannot be stated whether the junctions are satisfactory.
7. No further surveying is required within the area covered by this sheet, except possibly at the entrance of Suisun Cutoff. The development on this sheet is not sufficient to completely draw the curves at this place and also there is a gap at the same place between this survey and H. 4282. The depths in this doubtful area are much greater than is needed for such vessels as pass through the Cutoff.
8. The character and scope of the surveying are good.
9. Reviewed by E. P. Ellis, January, 1924.

Verification of Hydrographic Sheet H-4284
Seisun Bay, California.

The records for this sheet were good. The development of the work was adequate except in the area around Seisun Cutoff. The crossings were generally good. There are a few questionable spots on the sheet, but nothing could be done with them in so far as replotting or resounding goes. So they had to stand.

The plotting and penciling was done entirely in the office. The plotting was excellent. Where the time intervals were equal, the plotting of the soundings was good, but where they were unequal, there was still a tendency to space them equally.

A. T. Shelowitz

June 11, 1923.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4284

Locality: Suisun Bay (Eastern part), Calif.

Chief of Party: O. W. Swainson in 1923
Plane of reference is mean lower low water, reading
5.2 ft. on tide staff at Pittsburg.
auto gauge

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.



Chief, Division of Tides and Currents.