

4854

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

AUG 14 1934

Acc. No. _____

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. G 4854

LOCALITY

Santa Barbara Channel

Seacliff to Sand Point

1933

CHIEF OF PARTY

C. K. Green

applied to drawing of Chart 5202 - Mar 1936 C.M.J.

PARTY #10

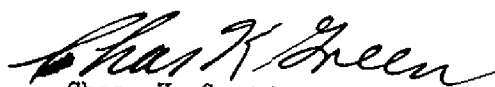
Santa Barbara, Calif.
July 20, 1934.

Topographic Sheet "G", submitted herewith, has been inspected and approved by me, together with the data listed below.

List of data forwarded with Topographic Sheet "G"

Title Sheet
Descriptive Report
6 Description of recoverable topographic stations

The contours of the back country are well depicted on the old survey. These were continuously checked by the topographer of this party, therefor only those contours immediately along the shore are shown on this sheet.


Chas. K. Green,
Chief of Party #10.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYU. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

AUG 14 1934

Acc. No. _____

REG. NO.

4854

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 G

REGISTER NO. 4854

State CaliforniaGeneral locality Santa Barbara ChannelLocality Seacliff to Sand PointScale 1-10,000 Date of survey March, 1933Vessel Shore PartyChief of Party C. K. GreenSurveyed by Harry T. KelshInked by Harry T. KelshHeights in feet above H. W. to ground ~~to tops of trees~~Contour Approximate contour Form line interval 50 feetInstructions dated October 31, 1932

Remarks: _____

Descriptive Report
to accompany
Topographic Sheet 'G'
N. Shore Santa Barbara Channel
California

INSTRUCTIONS Oct. 31, 1932

LIMITS AND SCALE

This sheet embraces the north shore of Santa Barbara Channel from Seacliff to the west limits of Carpinteria longitude 119-20 to 119-32 app.

The scale is 1-10,000

General Description

The country from the east end of the sheet to Rincon Point is very rugged, with a range of hills parallel to the shore and rising almost directly from the coast, except for a narrow level strip on which the Coast Highway and the Southern Pacific Railroad are laid.

At Rincon Pt. this range swings back from the coast, the country becomes of an open rolling character, all under cultivation, gradually descending to a perfectly flat area near the west limits of the sheet, where the town of Carpinteria is located (population 1800).

The area near the east end of the sheet has been developed as an extensive oil field by the Richfield Oil Co., the General Petroleum Corp. and the Honolulu Oil Co. and the hillsides are dotted with derricks. One long pier extends out from shore carrying three derricks, and beyond this at a distance of nearly a half mile from the nearest point of shoreline is a detached section of pier with oil derrick.

At Pt. Gorda just west of this section, is a small settlement, locally known as Mussel Rk, and another small group of cottages a half mile farther west, called Conchita del Mar. There are also a few houses at Rincon Pt.

West of this there is no development except for one small pier and oil derrick until we approach Carpinteria.

The cliff line west of Rincon Pt, while lower, rises directly from the shore, which accounts for the lack of development. Above the cliffs however the flat mesa has been developed into continuous cultivated fields.

The cliffs become lower and finally disappear just east of Carpinteria, where the flat country is just above sea level. Except for one small wooden pier there is no development of the town on the waterfront. Instead it centers around the Coast Highway, which here is about a half mile back from the shore.

Just west of the town is a swamp area as shown on the previous work, but it does not appear as large in extent or as wet as previously shown.

The shoreline in general for the whole stretch of this sheet is sand with occasional stretches of small rubble at

extreme low water line as shown on the topo sheet.

At Pt. Gorda there is a distinctive large rock 8 ft high immediately off the point; and just east of Carpinteria there is a stretch for about a mile and a half where a series of flat ledges appear in the sand beach with the farthest out being about 200 meters outside the high water line.

At the extreme west end of the sheet however, a line of ledges extends out with its tip 600 meters S.W. (true) from signal Bill, small sections of which are bare at low water. This area is surrounded by a heavy kelp patch which extends out another 400 meters.

LANDMARKS

The offshore derrick southeast of Pt. Gorda is the most conspicuous object on the sheet.

Inshore from it the general area is quite conspicuous with its numerous oil derricks, but there are too many to easily pick out any individual derrick.

Mt. Hoar, elevation 2160 ft, with a long slope towards the west, lies well back from the coast, and is the most prominent mountain.

Just west of Vincon Pt. the highway crosses the railroad by a high, and sloping concrete bridge which shows well near the shore.

At Carpinteria the Methodist Church Spire is easily seen; also the twin cupolas on the Grammar School.

CONTROL

Three triangulation signals directly on the beach, and one (Seacliff) easily occupyable on the 1st ridge back from the shore at the east limit of the sheet gave ample control. Short traverses were run from each station until it met the traverse from the next station. No adjustment necessary.

GEOGRAPHIC NAMES

There is a general tendency along this coast to drop the old Spanish names; also as the country develops the tiny arroyos and rainy weather creeks become of less importance, many times are filled in, or covered over. An example is the Arroyo del Carpinteria which now is locally called Carpinteria Creek, as it appears on present chart 5202.

There are no changes of importance nor any new names along the stretch of shoreline covered on this sheet.

CHANGES IN SHORELINE

Except for minor differences the shoreline checks with the previous work. East of Pt. Gorda there appears an increment of about 15 meters of sand beach. West of Vincon Pt. the shore also appears to have extended slightly. This is due to the erection of sea walls, and the filling in behind with dirt to hold the bank on which the S.P.R.R. runs at this place.

The mouth of the creek emptying the swamp west of Carpinteria has shifted 150 meters to the westward. The straight

sand beach which starts just west of this creek mouth appears to have remained as previously shown.

CONTOURS

The contours on this sheet, as on all this stretch of coastline was originally done by occupying all of the hilltops for a considerable distance back from the coast, with many intermediate set ups, and the work was thoroughly and accurately done in detail. The only changes consist of a slight smoothing out of the country as the small arroyos are filled in when fields are plowed up, or towns are extended.

The sheet showing the original contour work was carried along in the field, and checked for apparent discrepancies. Check elevations were secured where same could be obtained from the beach, and general contour lines shown only.

Henry P. Kelch
Surveyor

Approved
Chas. H. Green
Chief of Party

List of Plane Table Positions
to accompany Topo. sheet G

Object and description	lat	D.M.	long.	D.P.	Height	Remarks
Tan-wh tank on hilltop	34-20	1847	119-24	1006	elev 716	recov.
Red-red tank near hilltop	34-20	1751	119-24	1275	elev 500	recoverable
Sat-derrick	34-20	1451	119-25	312		
It- derrick	34-20	1701	119-25	622		
Me- derrick	34-20	1762	119-25	749		
Gen-derrick	34-21	3	119-25	1212		on pier
Lu- derrick	34-21	4	119-25	1399		on pier
Hon- derrick	34-21	23	119-25	1526		on pier
Abe- w.w on seawall	34-21	536	119-25	1059		
Sel- w.w on seawall	34-21	742	119-25	1458		
Out- derrick on detached pier	34-20	1755	119-26	523		recoverable
Bel-outer gab. white restaurant on beach	34-21	1252	119-26	1180		
Stuk-sw cor ho. on beach	34-21	1565	119-26	1430		
School- N.W. cor Punta Gorda Sch.	34-22	52	119-27	36		recov. and shows well
Bip- outer of double R.R.block	34-22	668	119-27	580		recov.
Wal- w.w on wall	34-22	823	119-27	827		
Bok-R.R.block	34-22	914	119-27	980		recov.
Zip- R.R.block	34-22	1060	119-27	1443		recov.
Nit- w.w on west end of seawall	34-22	1062	119-28	432		

List of PT pos. to accomp. Sheet G page 2

Tin-large flgpole	34-22	880	119-28	593		recoverable
Top-top of scar	34-22	1047	119-28	729	elev 160	top
Rid -w. end hiway bridge	34-22	1211	119-28	1203		
Sig-R.R.Block	34-22	1617	119-29	114	elev 70	top
Der-derrick	34-22	1683	119-29	631		
Al-alum.tank	34-23	24	119-29	527	el 160	w. one of group of 3
Box-outer of double block	34-23	124	119-29	819		recov.
Kid-w.w.	34-23	193	119-30	28		
Rail-R.R.block	34-23	273	119-30	252		recov.
Wat-water tower	34-23	323	119-30	817		recov
Bol.- old boiler	34-23	484	119-30	1150		outer face
Gab-outer gable w. end large wh. club ho.	34-23	740	119-31	119		recov.
Bon-large flgpole on bath. beach	34-23	1144	119-31	668		recov.
Bug. outer face sma. ho.	34-23	1323	119-31	1000		
Tal-high wh chy with 3 pots on english ho.	34-23	1483	119-32	52		recov.

Survey No. 1-4854

Chart No. 5202

Diagram No. 5202-2

Referred to the Division of Geographic Names, Department of Interior. R

[illegible]

Section of Field Records

Review of Topographic Survey. No 4854 (1933)¹⁴

Seacliff to Sand Pt., Santa Barbara Channel, California¹⁵

Surveyed: March 1933²⁰

Instructions dated: October 31, 1932 (C. K. Green)²⁹

Plane Table Survey - Cloth Mounted³⁷

Chief of Party: C. K. Green

Surveyed & Inked by: H. T. Kelsh

1. Condition of Records

The Description Report is clear and comprehensive and satisfactorily covers all matters of importance.

The records conform to the requirements of the Topographic Manual with the following exceptions: - the important rocks awash and sunken

a. The Hand-drawn for Charts were listed in the Description Report but they were not submitted. ^{Frames 567.} The rocks were not shown on the chart with dots to show that they were well located. ^{The topographic states however that such rocks are actually located by points.}

2. Compliance with Instructions for the Project

The survey complies with the instructions.

3. Junctions with Contemporary Surveys

Satisfactory junction was made with T-4847⁽¹⁹³³⁾. The junction with T-4855 (1933) on the west is good except that there is a discrepancy of about 10 meters in the ^{location} of the highway and the railroad.

4. Comparison with Prior Surveysb. T-1189 (1870)

The high water line of this survey is in good agreement with the present survey.

c. T-1127 (1869)

as noted in the Description Report there is very little difference between the shoreline of this survey and that of the present survey. The marsh area near the western limit is ~~no~~ longer as wet or as extensive as formerly shown. A few rocks near the low water line were not shown on the prior survey. Also there is a marked difference in the width of the beach to low water; the new survey consistently shows the low water line about 40 meters farther out than the previous location.

Previous order

5. Field Drafting

The field inking is good

6. Additional Field Work Recommended

No additional field work is required

7. Superseding Old Surveys

Insofar as the topography actually included on this survey is concerned, it supersedes the following surveys for charting purposes:

T-1127 (1869) in part
T-1189 (1870) " "

8. Reviewed by *W. Jankowski* January 1935
Approved C K G

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4854 (1933)

Seacliff to Sand Pt., Santa Barbara Channel, California

Surveyed March, 1933

Instructions dated October 31, 1932 (C. K. Green)

Plane Table Survey - Cloth Mounted

Chief of Party - C. K. Green.

Surveyed and inked by - H. T. Kelsh.

1. Condition of Records.

The Descriptive Report is clear and comprehensive and satisfactorily covers all matters of importance.

The records conform to the requirements of the Topographic Manual with the following exceptions:

- a. The important rocks awash and sunken rocks were not shown encircled with dots to show that they were well located. The topographer states, however, that such rocks actually were well located by cuts.

2. Compliance with Instructions for the Project.

The survey complies with the instructions.

3. Junctions with Contemporary Surveys.

Satisfactory junction was made with T-4847 (1933). The junction with T-4855 (1933) on the west is good except that there is a discrepancy of about 10 meters in the locations of the highway and the railroad.

4. Comparison with Prior Surveys.

a. T-1127 (1869).

As noted in the Descriptive Report there is very little difference between the shoreline of this survey and that of the present survey. The marsh area near the western limit is no longer as wet or as extensive as formerly shown. A few rocks near the low water line were not shown on the prior survey. Also there is a marked difference in the width of the beach to low water; the new survey consistently shows the low water line about 40 meters farther out than the previous location.

b. T-1189 (1870).

The high water line of this survey is in good agreement with the present survey.

5. Field Drafting.

The field inking is good.

6. Additional Field Work Recommended.

No additional field work is required.

7. Superseding Old Surveys.

Insofar as the topography actually included on this survey is concerned, it supersedes the following surveys for charting purposes:

T-1127 (1869) - in part

T-1189 (1870) - in part

8. Reviewed by - A. F. Jankowski.

Supervised by - A. L. Shalowitz.

Examined and Approved:

C. K. Green, *C. K. Green*
Chief, Section of Field Records.

W. S. Borden
Chief, Section of Field Work.

L. O. Solbit
Chief, Division of Charts.

W. H. Wade
Chief, Division of H. & T.