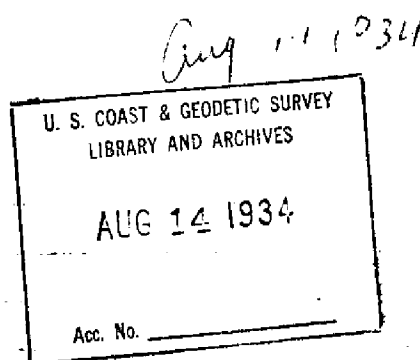


4855



Form 504
Ed. June, 1928

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

State: California

DESCRIPTIVE REPORT

Topographic } Sheet No. H' 4855
Hydrographic }

LOCALITY

Santa Barbara Channel

Sand Point to Santa Barbara

1933

CHIEF OF PARTY

Chas. K. Green

Applied to drawing of Chart 5202 - Mar 1936 L.M.J.

AUG 14 1934

Acc. No. _____

PARTY #10

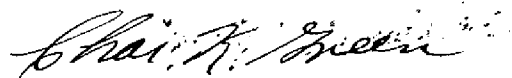
Santa Barbara, Calif.
August 7, 1934.

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

List of data forwarded with Topographic Sheet "H"

Title Sheet
Descriptive Report
5 Description of recoverable topographic stations
1 print, Santa Barbara County Roads, 1st Road District

As mentioned in Descriptive report, all of the oil piers at Summerland, between longitude 119-35 and 119-37, are abandoned and breaking up - They should be shown on the chart as remains of piers only.



Chas. K. Green
Chief of Party

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST AND GEODETIC SURVEY
LIBRARY AND ARCHIVES

AUG 14 1934

REG. NO.

4855

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 H

REGISTER NO. **4855**

State California

General locality Santa Barbara Channel

Locality Sand Point to Santa Barbara

Scale 1-10,000 Date of survey April, 19 33

Vessel Shore Party

Chief of Party C. K. Green

Surveyed by Harry T. Kelsh

Inked by Harry T. Kelsh

Heights in feet above H.W. to ground ~~to tops of trees~~

Contour V Approximate contour Form line interval 50 feet

Instructions dated October 31, 19 32

Remarks: _____

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

INSTRUCTIONS

October 31, 1932

LIMITS AND SCALE

This sheet embraces the north shore of Santa Barbara Channel from the west limits of Carpinteria to the east end of Santa Barbara (long. 119-32 W. to 119-40 W. app).

The scale is 1-10,000

GENERAL DESCRIPTION

The strip of shore area embraced on this sheet is in general a stretch of low, fertile, and highly developed country, backed by a high ridge of mountains, rising in general about a mile back from the shore; although the foot hills swing down to the shoreline just east of Summerland, near the middle of the sheet, and do not swing back again until near the west end of the sheet.

Where the country is level, or not too hilly the area has all been placed under cultivation, with numerous orchards, chiefly lemon and orange, with numerous extensive estates, and the whole waterfront has been lined with large summer homes and resort hotels, except for the one mile stretch near the center of the sheet (119-36W) where the small town of Summerland rises from the shoreline.

Beginning at the east end of the sheet we find a nearly straight strip of sand beach which has developed under the name of Sandyland with a single row of large houses. This section of shoreline is practically flat except for a few small dunes.

West of this beach the shore rises gradually into a steep cliff with maximum elevation of 100 ft. near Signal Loon; then drops off as we approach Summerland, with the cliff line rising again in front of Ortega Hill. This small stretch in front of Summerland marks the original development of offshore oil wells, and the shoreline is dotted with derricks as shown on the sheet. Most of these were shallow wells, the derricks were small, and most are now abandoned. The piers and derricks are falling down, and the piers will soon be gone.

West of Ortega Hill the section is known as Montecito. The shore area is fairly level and covered with large homes, placed either facing the beach or in groves of surrounding trees.

MAP OF THIS SECTION ON LARGE SCALE SHOWING ALL ROADS
ATTACHED.

The Coast Highway is shown just back from the shore and extending the full length of the sheet, with the Southern Pacific Railroad paralleling it.

The whole shoreline is sand beach, or where cliffs mark the shoreline, sand beach at the base of the cliffs; with occasional patches of rubble as shown.

SPECIAL NOTES

There are no offshore dangers except the ledge shown at the east end of the sheet with tip bearing 6" at zero tide extending 400 Meters offshore (SW true) from signal Bill (described also on next topo. sheet to eastward, sheet G).

LANDMARKS

The Richfield sign. A high skeleton tower, 120 ft. high standing on the seaward side of the Coast Highway just west of Carpinteria, with word Richfield spelled vertically in neon tubing. This was lighted until 1933, and was very conspicuous at night. At present however, it is not lighted.

Ortega Hill, just west of Summerland, with its cliff like face, is quite prominent.

The Biltmore Hotel is a large rambling structure of white stucco on the shore a mile east of Santa Barbara; and is easily recognizable in shore, although of no particular value for offshore vessels.

CONTROL

The triangulation stations are spaced evenly along or near the beach at approximately two mile intervals. The work was a series of short traverses. No adjustment necessary.

The tip of the offshore ledge at the east end of the sheet was located by plane table cuts.

GEOGRAPHIC NAMES.

The town of Summerland is a new name since the last complete survey, but appears on the present chart.

Sandyland is the name of the small beach area just west of the Carpinteria Swamp.

As mentioned in reports accompanying other sheets of the adjacent coast area the tendency is to drop the longer Spanish names for the small rainy weather creeks, and arroyos (see accompanying large scale plat of the Montecito district. With the development of the country the value of naming these creeks, etc becomes of much less importance, as the tendency is to fill up the small depressions and turn the creeks, which amount in most cases to surplus water vents, into actual drains.

CHANGES IN SHORELINE

The shoreline remains practically unchanged from the position shown on the previous work. The creek mouth from the swamp west of Carpinteria has shifted 150 meters to the westward.

CONTOURS

The contouring on this area was done at the time of the original work by occupying all the hilltops and with many intermediate set ups. The work was well done in detail.

The sheet showing the original work was carried along in the field, and checked for apparent discrepancies. For this reason the contours are inked in on sheet H only for the area actually covered in the field work, with such elevations to peaks back from the shore as could be obtained without occupying the summits.

H. J. Kellogg
Surveyor

Approved -

Chas. H. Green
Chief of Party

PLANE TABLE POSITIONS TO ACCOMPANY SHEET "H"

Object and Description	lat.	D.M.	long.	D.P.	Height	Remarks
Per- red brick chy. outer face of large walled in estate	34-24	482	119-32	1153	20 ft.	recoverable
Sep- S.W.cor. small ho. on beach	34-24	891	119-33	46		
Ast- Flgpole S.W. cor east one of twin ho.s on beach	34-24	1176	119-33	346		recov.
Rod- outer gab. wh. Mex.type ho. red tile roof	34-25	294	119-33	134	el. 125 ft	recov. on hillside
Pi.- outer end of remains of wharf	34-24	1591	119-33	968		
Chi- stone chy sq. gray bath ho.	34-24	1570	119-34	121		recov. on beach
Con-east end sma. con. landing	34-24	1562	119-34	410		
Flag-flg.pole on top sma.cliff	34-24	1423	119-34	773		
Cap- sq. gray tower	34-24	1549	119-34	749		recov.
Ik- oil derrick	34-24	1701	119-35	61		
Hi-oil derrick	34-25	358	119-35	1061		gone
Red- east top wh. school red roof	34-25	523	119-35	1179	el.115	recov. on hillside
Low- sma. derrick on pier	34-25	129	119-35	1374		
Ob- sma. derrick	34-25	234	119-36	428		
Blok- block sig. on R.R.	34-25	438	119-36	792		recov.
Der- high derrick e.side hiway	34-25	556	119-36	1105		
Car- w.w. on sea wall	34-25	484	119-36	1150		

Plane table positions to acc sheet H page 2

Leg- out.gab. sma.green bath ho. wall in fr.	34-25	471	119-37	47		recov.
Wite- s. gab. large wh.ho.	34-25	363	119-37	205		recov.
Gra- sq.chy in mid out. wall 2sty ho.red rf.	34-25	305	119-37	728		recov.
Ank- hi wat.tank	34-25	319	119-37	1454		recov.
Sin- sma sign	34-24	1719	119-38	571		
Bilt-flgpole, Bitlmore Hotel grounds	34-25	17	119-38	690	80 ft hi.	recov.
Inn- east top Montecito Inn	34-25	524	119-38	548		recov.
Bath- stone chy on small ho	34-25	29	119-38	920	25 ft	top of chy.
New - w.w. on dist. bridge like rok. of conglomerate	34-25	39	119-39	258	10 ft	outer face.
Ber- pyramid mon. in ceme- tery	34-25	122	119-39	537	25 ft hi.	recov.
Buf. sq. buff tower	34-25	1044	119-39	488		recov.
Nes. inside end small groyne	34-25	105	119-37	1345		

Date. April 18, 1935

Diagram No. 5202

Under investigation. Q

(M-136)

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4855 (1933)

Sand Point to Santa Barbara, Santa Barbara Channel, California

Surveyed: April, 1933

Instructions dated: October 31, 1932

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:

Although the topographer stated that offshore sunken and awash rocks were located by several cuts, they were not so indicated by encircling with dots.

2. Compliance with Instructions for the Project.

The survey complies with the instructions.

3. Junction with Contemporary Surveys.

Satisfactory junctions were made with T-4848 (1933) on the west and with T-4854 (1933) on the east.

4. Comparison with Prior Surveys.

a. T-1128 (1869).

A comparison of this survey with the present survey shows good agreement except where changes have occurred. The mouth of the creek at Sand Point has shifted about 150 meters to the west. The shoreline is now eroded about 20 meters in the vicinity of Montecito. Also the prior topographic survey does not show the rocks awash which lie off Sand Point.

5. Field Drafting.

The field inking is satisfactory.

6. Additional Field Work Recommended.

The shoreline survey is complete and the contours are well tied into the former survey. No additional field work is required.

7. Superseding Old Surveys.

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

T-1128 (1869) in part.

8. Reviewed by - A. F. Jankowski, January, 1934.

Examined and approved:

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

L. Q. Olbut.
Chief, Division of Charts.

B. Borden
Chief, Section of Field Work.

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