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

State: California

DESCRIPTIVE REPORT

Topographic | Sheet No. A 4816

LOCALITY

Santa Barbara Channel

Vicinity of Pt. Hugo

1932

CHIEF OF PARTY

G.K. Green
applied to drawing of Chart 5202 - Mar 1936 L.M.2

applied to Chart 5007 - Aug 24, 1940 P.B.6.
Descriptive Report to accompany Topographic Sheet 'A' Shoreline Santa Barbara Channel from a point 2 miles east of Mugu Pt. to 3 miles west of Mugu Lagoon. Instructions dated October 31, 1932.

General Description

This sheet embraces the general locality of Mugu Lagoon. The east half of the sheet covers the west limit of the Coast mountain range in that portion where it rises abruptly from the sea to an elevation of 12-1400 ft.

A narrow sand beach lies at the base of the cliff for a distance of about a mile just west of the point on which Sig. Shale is located. Against the cliff at the east end of this beach there is a high, and very distinctive sand dune. This is mentioned in the Coast Pilot.

The shoreline as far west as Mugu Pt. is rocky and precipitous. The cliffs have been cut back, and in a few places rock filled in, to make the Coast (Roosevelt) highway, which here runs directly along the shore. A number of low sea walls have been erected to hold the rock in place; but in general the shoreline is exactly as at last survey.

At Mugu Pt. the highway swings away from the shoreline across the flats in the direction of Oxnard.

From Mugu Pt. westward the shoreline is entirely a curving sand beach broken only by the entrance to Mugu Lagoon.

The sand spit making the east arm of the lagoon is flat. A line of dunes 8-12 ft high extends parallel to the shore from a half mile west of the entrance to the limit of the sheet about 100-150 meters inshore.

Behind this lies the swamp surrounding Mugu Lagoon. The country is perfectly flat and beyond the limits of the swamp is cultivated as truck farms.

Special Notes.

Mugu Lagoon. This lagoon is at the present time valueless as a harbor. Nothing larger than a rowboat can enter at low tide, and except for a narrow stretch about 100 meters wide running up the west arm the whole lagoon goes nearly dry. Small fishing craft occasionally run in at high water, but the lagoon has no general use as a harbor for even the smallest craft.

A wooden, single track, automobile bridge, on piling, crosses the west arm to the Mugu Fish Camp.

The entrance to the lagoon has shifted a half mile west from that shown on the previous work. The swamp and lagoon is practically unchanged. The original survey (1857) was done with great thoroughness and accuracy, and even the small sloughs in the swamp area were found as shown.
Landmarks

The section of coast shown on this sheet has been little developed and there are no objects of sufficient prominence to be of value for chart use.

Control

A short traverse was run between sig. Shale and sig. Magu Pt. a distance of two miles.

West of this graphic triangulation and short traverses with thorough control completed the sheet. No adjustment work was necessary.

Changes in Shoreline

In general, with the exception of the shifting of the lagoon entrance the shoreline remains the same. Apparently west of signal Estera there has been about 50 meters added to the sand beach. This area is very flat and is still storm swept. At the west limit of the sheet (part of the rounding point known as Middle Point) the shoreline remains the same.

Contours

The contours shown were run in, in the field as a check on the previous work, and in the area not previously covered, were inked in. However the original contour work was very evidently done by occupying the hill tops, and done with detailed thoroughness and accuracy beyond the limits possible from shoreline observation only, and the time allotable to this work. For this reason the contours in the area covered before were left in pencil.

New Names

There has been little development in the area shown on this sheet.

Magu Fish Camp consists of 8-9 small wooden shacks, and a small wooden fishing pier. This is an excellent fishing and duck hunting location and the camp will probably be permanent. It has become definitely known and advertised under the above name.

\[\text{Signature}\]

Approved,

\[\text{Signature}\]

Chief of Party.
<table>
<thead>
<tr>
<th>Object</th>
<th>Latitude</th>
<th>D.M.</th>
<th>Longitude</th>
<th>D.P.</th>
<th>Elev.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small banner edge of road (sig Sma)</td>
<td>34-04</td>
<td>791</td>
<td>119-01</td>
<td>227</td>
<td></td>
<td>(not recoverable)</td>
</tr>
<tr>
<td>High sand slide (sig Slide)</td>
<td>34-04</td>
<td>948</td>
<td>119-01</td>
<td>162</td>
<td>140ft</td>
<td>small dark patch of bushes at east end of top</td>
</tr>
<tr>
<td>Vertical wh. streak(w.w.) on side of cliff (sig Rnk)</td>
<td>34-04</td>
<td>1670</td>
<td>119-01</td>
<td>1257</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Smg. tripod on roadside(sigPod)</td>
<td>34-04</td>
<td>1808</td>
<td>119-01</td>
<td>1531</td>
<td></td>
<td></td>
</tr>
<tr>
<td>W.W. boulder on back of hiway (sig Lik)</td>
<td>34-05</td>
<td>50</td>
<td>119-02</td>
<td>328</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>W.W. on rk. just below road(sigAb)</td>
<td>34-05</td>
<td>112</td>
<td>119-02</td>
<td>658</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>W.W. on 15ft pin. (sigGum)</td>
<td>34-05</td>
<td>108</td>
<td>119-03</td>
<td>5</td>
<td></td>
<td>should be recoverable.</td>
</tr>
<tr>
<td>W.W. on projecting 5ft boulder on outer edge hiway on point (sigBim)</td>
<td>34-05</td>
<td>174</td>
<td>119-02</td>
<td>1065</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>W.W. on rky pt. (sig Bug)</td>
<td>34-05</td>
<td>277</td>
<td>119-03</td>
<td>559</td>
<td></td>
<td></td>
</tr>
<tr>
<td>East of twin pinnacles on outer edge of road</td>
<td>34-05</td>
<td>302</td>
<td>119-03</td>
<td>724</td>
<td>60</td>
<td>top pin is 25-30 ft above road</td>
</tr>
<tr>
<td>West of twin pinnacles</td>
<td>34-05</td>
<td>290</td>
<td>119-03</td>
<td>783</td>
<td></td>
<td>top</td>
</tr>
<tr>
<td>Large projecting pin. on Mt. side visible against sky line from east and west(sigThum)</td>
<td>34-05</td>
<td>540</td>
<td>119-03</td>
<td>877</td>
<td>442</td>
<td></td>
</tr>
<tr>
<td>Wh. streak in rks on mt.side(sigTee)</td>
<td>34-05</td>
<td>718</td>
<td>119-03</td>
<td>1029</td>
<td>400</td>
<td>looks like a weathered w.w. mark</td>
</tr>
<tr>
<td>Object</td>
<td>Latitude</td>
<td>D.M.</td>
<td>Longitude</td>
<td>D.P.</td>
<td>Elev.</td>
<td>Remarks</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>----------</td>
<td>------</td>
<td>-----------</td>
<td>------</td>
<td>-------</td>
<td>-----------------</td>
</tr>
<tr>
<td>High pipe on shack at road camp (sig Lin)</td>
<td>34-05</td>
<td>861</td>
<td>119-03</td>
<td>1321</td>
<td>25</td>
<td>top</td>
</tr>
<tr>
<td>Middle of face of small lobster camp shack (sig Lob)</td>
<td>34-05</td>
<td>1663</td>
<td>119-04</td>
<td>9348</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tri. cut in face of cliff at turn in rd. (sigClif) 34-06</td>
<td>156</td>
<td>119-04</td>
<td>1168</td>
<td>50</td>
<td>top</td>
<td></td>
</tr>
<tr>
<td>Sma. wat. tank by rd. side (sig Wat) 34-06</td>
<td>1151</td>
<td>119-04</td>
<td>1108</td>
<td></td>
<td>top</td>
<td></td>
</tr>
<tr>
<td>Banner (sigPole) 34-06</td>
<td>653</td>
<td>119-06</td>
<td>300</td>
<td></td>
<td>not recoverable</td>
<td></td>
</tr>
<tr>
<td>Wood arch over inshore end bridge to fish camp (sig Jap) 34-06</td>
<td>303</td>
<td>119-05</td>
<td>1509</td>
<td>15</td>
<td>center of top</td>
<td></td>
</tr>
<tr>
<td>Small similar arch in center of bridge (sig Bid) 34-06</td>
<td>194</td>
<td>119-05</td>
<td>1449</td>
<td>15</td>
<td>center of top</td>
<td></td>
</tr>
<tr>
<td>Gray Hc. largest and most easterly of row at fish camp (sigHc.) 34-05</td>
<td>1835</td>
<td>119-05</td>
<td>1165.</td>
<td></td>
<td>outer gable</td>
<td></td>
</tr>
<tr>
<td>Last dune on sandspit (sigDun) 34-05</td>
<td>1822</td>
<td>119-05</td>
<td>765</td>
<td></td>
<td>not recoverable after sig gone</td>
<td></td>
</tr>
<tr>
<td>Small tripod on dune (sig One) 34-05</td>
<td>1495</td>
<td>119-06</td>
<td>1242</td>
<td></td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>Small tripod on dune (sig Nex) 34-06</td>
<td>66</td>
<td>119-07</td>
<td>749</td>
<td></td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>Duck blind on top dune (sig Duc) 34-06</td>
<td>395</td>
<td>119-07</td>
<td>1374</td>
<td></td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>Banner on fence extending out beyond dunes to H.Water (sigPen) 34-06</td>
<td>826</td>
<td>119-08</td>
<td>744</td>
<td></td>
<td>probably recoverable</td>
<td></td>
</tr>
</tbody>
</table>
Santa Barbara, Calif.,
March 20, 1934.

Topographic sheet A, submitted herewith, has been inspected
and approved by me, together with data listed below.

List of data forwarded with Topographic Sheet A

Title sheet
Descriptive Report
Plane table positions
Description of recoverable Topographic station—4.

Chas. K. Green
Chief of Party.

The form lines shown by topographer on east end of sheet
are not inked as the ridges and valleys were sketched from the
beach to assist in checking the contours shown on sheet 893
of the survey of 1857. The contours of previous sheet 893
are verified and the form lines of this sheet have no further
value except the inked portion, which was not covered by
previous survey.
DEPARTMENT OF COMMERCE
U. S. COAST AND GEOFETIC 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

REGISTER NO. 4816

State: California

General locality: Santa Barbara Channel

Locality: Vicinity of Point Mugu

Scale: 1:10,000 Date of survey: Nov-Dec., 1932

Vessel: shore party

Chief of Party: Chas. 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 Approximate contour Form line interval: 50 feet

Instructions dated: Oct. 31, 1932

Remarks:

U.S. GOVERNMENT PRINTING OFFICE: 1932
<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td>Colleguas Creek</td>
<td>Same</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Mugu Lagoon</td>
<td>&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Middle point</td>
<td>&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Laguna Point</td>
<td>&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Mugu Point</td>
<td>point Mugu</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Santa Barbara Channel</td>
<td>Same</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Title (Par. 56) vicinity of Point Mayu, Calif.

Chief of Party C.H. Green
Surveyed by H.T. Kelsh
Inked by H.T. Kelsh

Ship —
Instructions dated Oct 31, 1932 Surveyed in Nov.-Dec. 1932

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 29.)

4. The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.) Insufficient elevations shown.

5. The delineation of contours-formlines is satisfactory. (Par. 49, 50.) 50 ft. Contours were taken. Every fifth one was not accentuated and all were very poorly drawn.

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) None Submitted

7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 39, 40, 41.) Legends were accurate as to location but very poorly drawn.

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) The Coast Highway has changed the HW line from Pt. Mayu Eastward as compared with T702, no differences which however are of much consequence. This is also the case in comparison with T702 at Longitude 118°41' (see reverse side).

10. The span, draw and clearance of bridges are shown. (Par. 16c.) No clearances shown on bridge to Mayu Fish Camp.

11. Locations and elevations of summits are given. (Par. 19, 51.)

12. The tree line was shown on mountains. (Par. 16g.) No tree line shown.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.
Paragraph 9

The marsh back of Laguna Point in Mugu Lagoon, together with the entrance have changed somewhat. This, no doubt, occurs frequently with innumerable sand dunes and frequent storms. The conditions as shown are no doubt correct and should be charted as shown on this sheet.
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 69.) Records submitted

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) None submitted

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.)

18. The geographic datum of the sheet is N.A.1927 (Adjusted) and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate. Sheet T8326 joins T4823(1933'54) on the west satisfactorily. On the east T4832 does not join so well. There is a displacement of about 20m in the N.W. line. It should be accepted as shown on T4832

20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)

21. The quality of the drafting is Fair. (Par. 31, 32, 33, 35, 36, 37, 38, 29, 40, 41, 42, 45, 46, 47, 48, 49, 50.) The hand lettering is not very good, but lines are rather poorly drawn

22. No additional surveying is recommended.

23. The Chief of Party inspected and approved the sheet and the descriptive report after review by

24. Remarks:

Reviewed in office by Chief, Section of Field Records

Examinet and approved:

Chief, Division of Field Work

Chief, Division of Charts

Chief, Division of Hyd. and Top.