

4816

4816

Form 504
Ed. June, 1923

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

U. S. COAST & GEODETIC SURVEY
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APR 12 1934

Acc. No. _____

State: California

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~ Sheet No. A 4816

LOCALITY

Santa Barbara Channel

Vicinity of Pt. Mugu.

1932

CHIEF OF PARTY

C. K. Green

applied to draw, of Chart 5202 - Mar 1936 R.M.Z.

applied to Comp. - Chart 5007. Aug 24 1940 P.B.G.

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. Mugu 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 allottable 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.

Mugu 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.

Harry T. Kelsch

*approved,
Chas. H. Green
Chief of Party.*

T-A

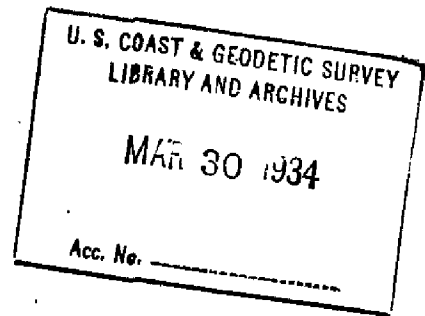
Plane Table Positions

Object	Latitude	D.M.	Longitude	D.P.	Elev.	Remarks
Small banner edge of road (sig Sma)	34-04	791	119-01	227		(not recoverable)
High sand slide (sig Slide)	34-04	948	119-01	182	140ft	small dark patch of bushes at east end of top
Vertical wh. streak(w.w.) on side of cliff (sig Eak)	34-04	1670	119-01	1257	12	
Sma. tripod on roadside(sigPod)	34-04	1808	119-01	1531		
W.W.boulder on bank of hiway (sig Lik)	34-05	50	119-02	328	15	
W.W. on rk. just below road(sigAb)	34-05	112	119-02	658	25	
W.W. on 15ft pin. (sigGum)	34-05	108	119-03	5		should be recoverable.
W.W. on projecting 5ft boulder on outer edge hi- way on point (sigBim)	34-05	174	119-02	1065	25	"
W.W. on rky pt. (sig Bug)	34-05	277	119-03	559		
East of twin pinnacles on outer edge of road	34-05	302	119-03	724	60	top pin is 25-30 ft above road
West of twin pinnacles	34-05	290	119-03	783		top
Large project ing pin. on Mt. side visi- ble against sky line from east and west(sigThum)	34-05	540	119-03	877	442	
Wh. streak in rks on mt.side(sigToe)	34-05	718	119-03	1029	400	looks like a weath- ered w.w. mark

T-A-2

Object	Latitude	D.M.	Longitude	D.P.	Elev.	Remarks
High pipe on shack at road camp (sig Min)	34-05	861	119-03	1321	25	top
Middle of face of small lob- ster camp shack (sig Lob)	34-05	1663	119-04	9348		
Tri. cut in face of cliff at turn in rd.(sigClif)	34-06	156	119-04	1168	50	top
Sma. wat. tank by rdside(sig Wat)	34-06	1151	119-04	1108		top
Banner(sigPole)	34-06	653	119-06	300		not recoverable
Wood arch over inshore end bridge to fish camp (sig Jap)	34-06	303	119-05	1509	15	center of top
Small similar arch in center of bridge (sig Bid)	34-06	194	119-05	1449	15	center of top
Gray Ho. larg- est and most easterly of row at fish camp (sigHo.)	34-05	1835	119-05	1165		outer gable
Last dune on sandspit(sigDun)	34-05	1822	119-05	765		not recoverable after sig gone
Small tripod on dune(sig One)	34-05	1495	119-06	1242		"
Small tripod on dune(sig Nex)	34-06	66	119-07	749		"
Duck blind on top dune(sig Duc)	34-06	395	119-07	1374		"
Banner on fence end extending out beyond dunes to H.Water(sigFen)	34-06	826	119-08	744		probably recoverable

H.T.K.



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.

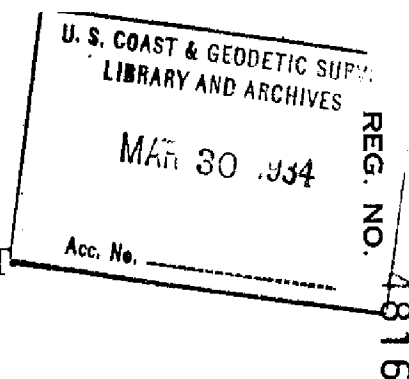
Chas. K. Green
Chas. K. Green,
Chief of party.

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 varified and the form lines of this sheet have no further value except the inked portion, which was not covered by previous survey.

C.K.G.
C.K.G.

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 A

REGISTER NO. 4816

State California

General locality Santa Barbara Channel

Locality Vicinity of Point Mugu

Scale 1-10,000 Date of survey Nov-Dec, 19 32

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, 19 32

Remarks:

Date. April 4, 1935 GEOGRAPHIC NAMES

Survey No. T-4816

Chart No. 5202

California

Diagram No. 5202-2

Approved by the Division of Geographic Names, Department of Interior. ✱

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

Under investigation. Q

[illegible]

REVIEW OF TOPOGRAPHIC SURVEY No. 4816

Title (Par. 56) *Vicinity of Point Mugu, Calif.*Chief of Party *C.K. 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.) *50ft 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, 38, 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 Coastal Highway has changed the H.W. line from Pt. Mugu, Eastward as compared with T842, no differences which however, are of much consequence. This is also the case in comparison with T702 at Longitude 118°01' (see reverse side)*
10. The span, draw and clearance of bridges are shown. (Par. 16c.) *No clearances shown on bridge to Mugu 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, 68.) *4 cards submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 18d, 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 T4816 joins T4823 (1933-34) on the West satisfactorily. On the East T4832 does not join so well. There is a displacement of about 20m. in the H.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} good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) *The freehand lettering is not very good; H.W. and Contour 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 *Chas. R. Bunk Jr.* May 18, 1936

Examined and approved:

C. H. Green
Chief, Section of Field Records

L. O. Solberg
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. H. Hude
Chief, Division of Hyd. and Top.