

10419

Diag. Cht. No. 5502.

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-159 Office No. T-10419

LOCALITY

State California

General locality Tomaes Bay

Locality Pint Reyes Station

1955-57

CHIEF OF PARTY

V.R.Sobierlaski, Chief of Field Party
A.L.Wardwell, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE December 17, 1959

B-1870-1 (1)

10419

DESCRIPTIVE REPORT - DATA RECORD

T - 10419

Project No. (II): **Ph-159**

Quadrangle Name (IV):

Field Office (II): **Portland Oregon**

Chief of Party: **V. Ralph Sobieralski** 1957
Fred Natella 1956

* **Sub-Party: Point Reyes Station, Calif.**

Photogrammetric Office (III): **Tampa, Florida**

Officer-in-Charge: **A. L. Wardwell**

Instructions dated (II) (III): **Project 6159 3 July 1956 (Field)**

Copy filed in Division of
Photogrammetry (IV)

Compilation Project 25160 13 Aug. 1956

Project 25160 22 Oct. 1956 Supplement I (Field)

Instructions (office) Supplement I Project Ph-159 4 Oct. 1957

Method of Compilation (III): **Stereoscopic Instrument (Kelsh Plotter)**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III): **1:5,000**

Scale Factor (III): **Pantographed to 1:10,000**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): **23 July 1959**

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927**

Vertical Datum (III): **MHW**

~~Mean lower low water~~

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

~~Mean lower low water~~

Reference Station (III): **TOMASI 1930**

Lat.:

Long.:

Adjusted

~~coordinates~~

Plane Coordinates (IV):

State: **Calif**

Zone: **3**

Y= **585,381.78 Ft.**

X= **1,339,684.33 Ft.**

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

* 1956 Sub Party location - Sebastopol, Calif.

PLANIMETRIC

Inapplicable

DESCRIPTIVE REPORT - DATA RECORD

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Field Inspection by (II): **C.H. Bishop**
J.S. Chamberlin
C.D. Upham

Date: **April 1957**

C.H. Bishop - V.J. Franz
Planetable contouring by (II): **Inapplicable**

July - Aug. 1956
Date:

Completion Surveys by (II): **Inapplicable**

Date:

Mean High Water Location (III) (State date and method of location): **April 1957, Air photo compilation**
Field inspection (1957) of 1955 photography

Projection and Grids ruled by (IV): **A.R. (W.O.)**

Date: **Aug. 1956**

Projection and Grids checked by (IV): **A.R. (W.O.)**

Date: **Aug. 1956**

Control plotted by (III): **W.O.**

Date:

Control checked by (III): **W.O.**

Date:

~~Rectangular~~ Stereoscopic
Control extension by (III): **W.O.**

Date:

Stereoscopic Instrument compilation (III):
Planimetry **W.O.**
Contours **Tampa**
Inapplicable

Date: **April 1958**

Date:

Manuscript delineated by (III): **E. T. Ogilby**

Date: **April 1958**

Photogrammetric Office Review by (III): **W. H. Shearouse**

Date:

Elevations on Manuscript
checked by (II) (III): **Inapplicable**

Date:

DESCRIPTIVE REPORT - DATA RECORD

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Camera (kind or source) (III): Wild "W"

Diapositives
PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
55-W-616	10 Oct. 1955	10:12	1:25,000	Inapplicable
" 652	" " "	10:43	"	"
" 653	" " "	10:44	"	"
" 654	" " "	10:44	"	"
" 664	" " "	10:54	"	"

Tide (III)

Reference Station: Inapplicable
Subordinate Station:
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range

Washington Office Review by (IV): S.G. Blankenbaker

Date: July 1959

Final Drafting by (IV): Tampa Office

Date: 1958

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 14

Shoreline (More than 200 meters to opposite shore) (III): 0

Shoreline (Less than 200 meters to opposite shore) (III): 0.5 mile

Control Leveling - Miles (II): None

Number of Triangulation Stations searched for (II): *17

Recovered: *12

Identified: 6 *

Number of BMs searched for (II): None

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): ** 2 3

Number of Temporary Photo Hydro Stations established (III): 0

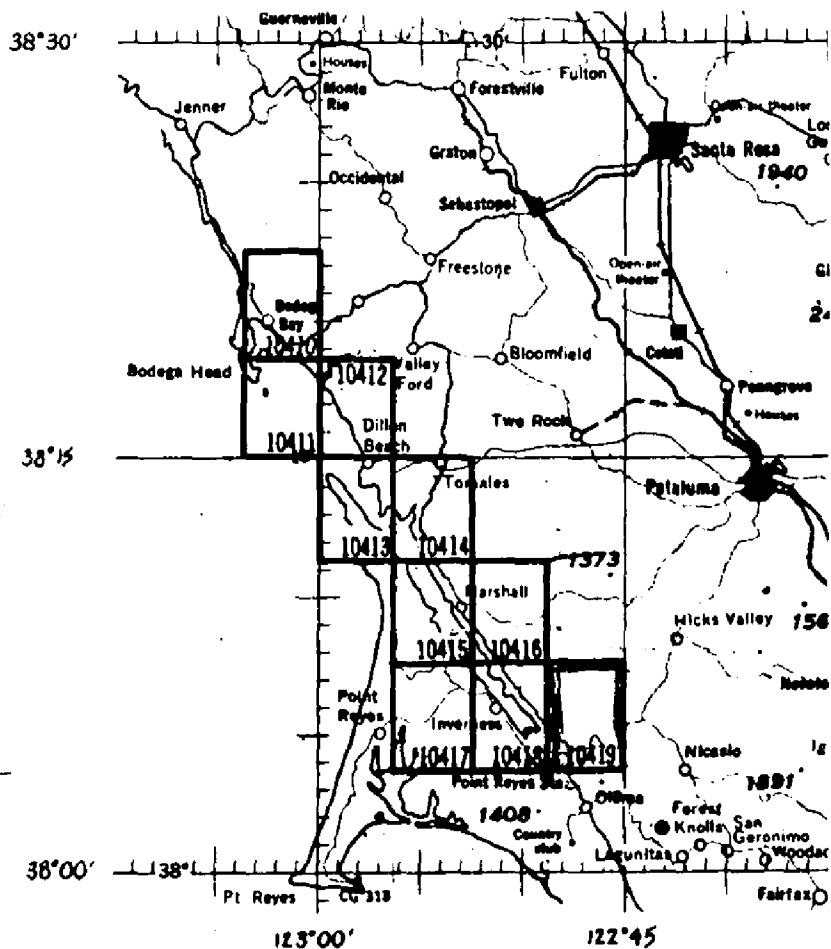
Remarks:

- ~~* 10 stations fell outside neat line of which 8 were recovered and 3 identified.~~
 ** 2 Landmarks, plus 1 landmark that fell outside neatline.
 * 4 recovered stations within manuscript limits
 3 identified " " " "

SHORELINE PROJECT 6159

TOMALES AND BODEGA BAYS, CAL.

5



OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	AREA SQ. MI.	LIN. MI. SHORELINE
10410	12	5
10411	1	2.5
10412	11	4
10413	6	13
10414	12	3
10415	9	9
10416	13	1
10417	13	1
10418	10	7
10419	14	0

TOTALS 101

45.4

Summary to Accompany Descriptive Report T-10419

T-10419 is one of ten planimetric maps in project PH-159. The project covers the Bodega Bay-Tomaes Bay area of the California coast. Map T-10419, in the south end of the project, covers the area east of the head of Tomaes Bay and includes the town of Point Reyes Station.

This is an instrument (Kelsh) compilation project. Field work was accomplished during the summers of 1956 and 1957. The 1956 field party recovered, identified and established horizontal control for use in stereoplanigraph bridging and compilation of the incomplete manuscripts used to provide shoreline for the contemporary hydrographic surveys. The 1957 field party inspected the photographs for use in compiling the final planimetric manuscripts.

Bridging and preliminary compilation of shoreline were accomplished in the Washington Office. Final compilation and scribing were accomplished in the Tampa Office.

Items registered under T-10419 will include a Descriptive Report and a positive impression on cronar of the scribed copy of the manuscript.

INCLUDED IN THE PROJECT COMPLETION REPORT

- (1) Two Field Inspection Reports (1956-1957)
- (2) Three combined Bridging and Compilation Reports
- (3) Bridging sketch

The 1956 and 1957 Field Inspection Reports
were submitted as separate reports.

INCLUDED IN THE DESCRIPTIVE REPORT FOR T10412

- (1) Copies of Field Inspection Reports (1956-1957)
- (2) Bridging Sketch
- (3) Two (2) combined Bridging and Compilation Reports

The combined Bridging and Compilation Report for T-10415;
T-10417; T10418 is included in the Desc. Report for T-10418.

SCALE OF MAP
1:10,000

SCALE FACTOR 1.0

[illegible]

11 FT. = 3048006 METER
Wash. Office
COMPUTED BY:

DATE 1956

Wash. Office

1956

COMM-DC-57843

COMPILATION REPORT T-10419

PHOTOGRAMMETRIC PLOT REPORT

The stereoplanigraph bridge was run in the Washington Office.
The Bridging Report is a part of the Descriptive Report for T-10418.

31. DELINEATION

The "INCOMPLETE MANUSCRIPT" was delineated with stereoscopic instrument in the Washington Office before field inspection. After field inspection the compilation was completed in the office using the Kelsh Plotter.

Areas shown as S (scrub) in the field inspection photographs were shown "open" on the compilation.

The field inspection was adequate.

32. CONTROL

The density and identification of primary and secondary control was adequate.

33. SUPPLEMENTAL DATA

None used.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from field inspection notes and interpretation of the model.

35. SHORELINE AND ALONGSHORE DETAILS

There is no shoreline or alongshore detail except approximately a half mile of Lagunitas Creek which was delineated in accordance with field inspection.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

~~Three~~ ^{Two} landmarks are reported on Form 567.

There are no aids to navigation.

38. CONTROL FOR FUTURE SURVEYS

Form 524's were submitted for the landmarks mentioned in Item 37
(a tank and ~~a~~ ^{two} barn gables)

39. JUNCTIONS

Junctions have been made with the following:

T-10418 to the west; POINT REYES N.E. U.S.G.S. 1:24,000,
1954 to the north; INVERNESS, U.S.G.S. 1:24,000, 1954 to the south;
SAN GERONIMO, U.S.G.S. 1:24,000, 1954 to the east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with USGS Quadrangle INVERNESS 1:24,000, 1954
The two maps compare very well.

47. COMPARISON WITH NAUTICAL CHARTS


Comparison with Chart 5603, scale 1:30,000, 2nd edition 1934
corrected to 1952. There are some minor changes, the most important
being the deletion of the Northwestern Pacific Railroad on this
compilation.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.


E. T. Ogilby
Cartographer (Photo)

APPROVED AND FORWARDED:


Arthur L. Wardwell
Chief of Party

48. GEOGRAPHIC NAME LIST

Names were taken from the USGS Quadrangle INVERNESS and the field inspector's notes.

BLACK MOUNTAIN

BOLINAS RIDGE

CALIFORNIA

CYPRESS ROAD

GRAND CANYON

LAGUNITAS CREEK *

MESA ROAD

NICASIO CREEK

POINT REYES STATION

SIR FRANCIS DRAKE HWY

TOMASINI CANYON

* BGN DECISION

checked June 3rd 1957
Geographic Names Section
George M. Bace

15
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PHOTOGRAMMETRIC OFFICE REVIEW

50.

T- 10419

1. Projection and grids WHS 2. Title WHS 3. Manuscript numbers WHS 4. Manuscript size WHS
4a Classification label unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy WHS 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) WHS 7. Photo hydro stations XX 8. Bench marks XX
9. Plotting of sextant fixes XX 10. Photogrammetric plot report W.O. 11. Detail points XX

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline WHS 13. Low-water line XX 14. Rocks, shoals, etc. XX 15. Bridges XX 16. Aids to navigation XX 17. Landmarks WHS 18. Other alongshore physical features XX 19. Other along-shore cultural features XX

PHYSICAL FEATURES

20. Water features WHS 21. Natural ground cover WHS 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features WHS

CULTURAL FEATURES

27. Roads WHS 28. Buildings WHS 29. Railroads XX 30. Other cultural features XX

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names WHS 34. Junctions WHS 35. Legibility of the manuscript WHS 36. Discrepancy overlay XX 37. Descriptive Report MMS 38. Field inspection photographs WHS 39. Forms WHS
40. W. H. Shearouse M. M. Slattery
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

-14-

Review Report
Planimetric Survey T-10419
July 1959

62. Comparison with Registered Topographic Surveys

T-4638 1:10,000 scale 1931

T-10419 supersedes the prior survey for nautical charting purposes.

63. Comparison with Maps of Other Agencies

Inverness, Calif. (USGS) 1:24,000 1954

Details common to T-10419 and the USGS quadrangle are in good agreement.

64. Comparison with Contemporary Hydrographic Surveys

8356 1:10,000 1957

A small portion of Lagunitas Creek and the circled position of two landmark barns (gables) are the only details on the hydrographic smooth sheet in the area common to the two surveys. The surveys are in agreement.

65. Comparison with Nautical Charts

5603 1:30,000 1934 revised 4/28/58

Minor shoreline and alongshore differences exist.

66. Adequacy of Results and Future Surveys

This complies with the National Standards of Map Accuracy and Bureau requirements.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved by:

L. C. Laude
Chief, Review & Drafting Section

Max B. Kett
Chief, Nautical Charts

R. W. Dawson
Chief, Photogrammetry Division
13 Nov. 59

J. R. Bowie
Chief, Coastal Surveys Division

**TO BE CHARTED
TO BE DELETED**

STRIKE OUT ONE

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa District Office

2 July 1948

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by E. T. Ogilby

Arthur L. Wardell

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-10419

Record of Application to Charts

[illegible]

M-2268-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.