

3846

C. & G. SURVEY

L & A.

DEC 2-1921

Area No.

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: *California*

11-5813

DESCRIPTIVE REPORT.

*Topo* Sheet No. 3846

LOCALITY:

*Northern Coast of California*

*Punta Gorda Light*

*to Davis Creek*

1921

CHIEF OF PARTY:

*E. H. Pagenbacht*

CO  
4  
00  
00

The purpose of this sheet was to re-locate certain signals between Cape Mendocino and Punta Gorda Light, which were apparently out, and to check the shore line which was reported incorrect some distance North of Mattole Landing. These signals had been plotted on a 1:20000 sheet made for the purpose.

I accordingly left Eureka on May 17th a.m. with three men and reached the mouth of the Mattole River late p.m. where I established camp.

The work was begun by recovering and occupying  $\Delta$  "Mussel Knoll" orienting on  $\Delta$  "Cape Rock". The plotted positions of  $\Delta$  "Gorda Rock" and  $\Delta$  "Sea Lion Rock" were then checked, and cuts taken to "Flat", "Bag" and "Big". A traverse was then carried from

$\Delta$  "Mussel Knoll" to the beach and a position established. This was checked from another position established by re-section and the range "Sea Lion" - "Cape Rock". "Flat" was found to be 30 meters Northwest of the plotted position. A traverse run North showed the shore line for 1/2 mile North of "Flat" to be plotted 20-30 meters West of present position, however this was sand beach subjected to heavy swells. Continuing this traverse to the North using  $\Delta$  "Sea Lion" and  $\Delta$  "Cape Rock" with  $\Delta$  "Moore Hill" for control, "Sue", "Hand" and "Dome Rock" were found correctly located and the latter two were accordingly permanently marked.

Returning to the position opposite "Flat", a traverse was carried to the South along the beach using triangulation stations "Cone Rock", "Mussel Knoll", "Moore Hill" and "Windy Point", with "Sea Lion", "Gorda" and "Conical Rock" for Control. The position of "Bag" was found to be 55 meters Southwest of that plotted. "Big" was 15 meters West of plotted position, "Conical Rock", "Wave" and "Dog" were checked as correct and Punta Gorda Light was found to be about 132 meters South of its plotted position. The position of the light was re-determined and checked by intersection using "Gorda Rock", "Wave", "Dog" and  $\Delta$  "Morgan". *Punta Gorda Light was plotted upon the sheet from position given in light dist.*

Inclement weather made further work impractical, the high Northwest wind with flying sands making it very hard to do accurate work with a plane table and the party returned to Eureka on May 27th, rejoining the ship on the 28th. *9 1/2 miles of shore line was re-run and checked.*

#### AEROPLANE LANDINGS

There are no feasible landing places along the beach from Mendocino to Point Gorda, the deep shifting sands being treacherous.

\* These stations were not visited. They were ~~not~~ <sup>not</sup> and appeared correct from the descriptions of their locations. They were only used on sheets and only a few times for this purpose.

m.c.

*William T. Combs*  
Wm. T. Combs,  
Jr. H. & G. Engineer.

*Plone Table points*

STATISTICS TO ACCOMPANY TOPOGRAPHIC SHEET B.

OBJECT	LAT.	D.M.	LONG.	D.P.	HEIGHT	REMARKS
Dome Rock	40-20	1805	124-21	926	90'	Hyd. Mark in rock.
Hand	40-20	896	124-21	935	18'	Hyd. Mark in Rock.
Sue	40-19	1760	124-21	446	8'	Top of Rock.
Flat	40-18	1130	124-21	240	15'	Middle Top of Rock.
Bag	40-16	1740	124-21	1100	6'	Top of Rock.
Big	40-15	1658	124-21	1245	8'	Top of Rock.
Sat	40-15	1220	124-21	1016	8'	Hyd. Mark Top of Rock.
Wave	40-14	1504	124-21	78	5'	Top of Rock.
Punta Gorda Light	40-14	1825	124-20	1360	75'	Top light house.

RECOVERED TRIANGULATION STATIONS

Mussel Knoll

*Conical Rock*

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
WASHINGTON

SECTION OF FIELD RECORDS  
REPORT ON TOPOGRAPHIC SHEET No. 3846.

Surveyed in 1921.

Chief of Party: E. H. Pagenhart.

Surveyed by W. T. Combs.

Inked by W. T. Combs.

1. The records as well as the plan and character of the work fulfill the requirements of the General Instructions except that the magnetic meridian is not shown.
2. The plan and extent of the survey satisfy the specific instructions.
3. The field drafting was completed to the extent prescribed in General Instructions.
4. No further surveying is required within the limits of the sheet.
5. The character of the surveying is good and the field drafting is fair.
6. Reviewed by E. P. Ellis, December, 1921.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Sheet "B"

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No.

9788 3846

State . . . California . . . . .

General locality . Northern Coast of California . . . .

Locality ~~"Demo Reef" South to~~ "Punta Gorda Light" *to Davies Creek*

Chief of party . . E. H. Pagenhart . . . . .

Surveyed by . Wm. T. Combs . . . . .

Date of survey . May 18th. to 26th, 1921. . . . .

Scale . . . . 1:20000 . . . . .

Heights in feet above . . . . .

Contour interval . . . . feet.

Inked by . WTC. . . . . Lettered by . . WTC. . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

*Use sections*

Remarks:

This sheet was made for the purpose of checking and locating additional signals for offshore work in vicinity of Cape Mendocino to Blunts Reef, and to check the shore line through this locality. Full inked line shows extent of shore line checked, 9-1/2 miles.