

4360

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

DEC 17 1928

Acc. No.

State: Oregon

11-5613

DESCRIPTIVE REPORT.

TOPO Sheet No. D

4360

LOCALITY:

Cape Blanco

Blacklock Pt. to 5 mi. South of Cape

Blanco

28
1928

CHIEF OF PARTY:

A. P. Ratti

DESCRIPTIVE REPORT TO ACCOMPANY SHEET D, CAPE BLANCO, OREGON.

A. P. Ratti, Chief of Party

1928

INSTRUCTIONS:

This survey was made under instructions dated March 19, 1928.

EXTENT:

This sheet comprises a revision survey of the shore line and off-lying rocks from Blacklock Point to a point 5 miles S.E. of Cape Blanco. This sheet joins on the north with sheet C, 1:20,000 and on the south with sheet E, 1:10,000.

SURVEY METHODS:

The shore line and off-lying rocks were surveyed by the usual plane table methods. Traverses were run along shore and offlying rocks were located by cuts from shore. Signal TRI was located by resection, using stations CAPE and TOWER ROCK. This station controlled the north end of the sheet. Signal TRI is on the same small peak on which the old triangulation station Rocky Point was located. The south end of this sheet was connected to the line run to the north end of sheet E for control.

DESCRIPTION:

The entire coast line and off-lying rocks were resurveyed as there has been considerable change in the sand beach sections of the shore line since the old survey, and the positions of many of the offlying rocks on the old photostat No. T-1130 could not be checked. Most of the sand beaches have built out from the bottom of the cliff line since the old survey. The mouths of both the Elk and Sixes Rivers have changed since the old survey. With the exception of the off-lying rocks, the old survey appeared to be well done. Contouring on T-1130 is accurately done and was not duplicated. Roads on the old photostat are no longer in existence.

The only road in this area at present is the one to the light-house shown on the topo sheet. This runs eastward for about five miles and connects with the Roosevelt Highway.

All buildings in the vicinity of Cape Blanco Light were located. The group of houses to the S.E. of the water tank is the old Naval Radio Station which is no longer in use.

The old dock and railroad to the stone quarry at Blacklock Point have been abandoned.

The height or stage of the tide awash, of all off-lying rocks was noted on the topo sheet.

COMPARISON WITH EARLIER SURVEYS: T-1130

1. The shore line and off-lying rocks in the vicinity of Blacklock Point were revised somewhat from those shown on the earlier survey.

2. The rock awash on T-1130, 280 meters 125° true from Tower Rock could not be seen. The two sunken rocks on T-1130, 320 meters 163° true from Tower Rock could not be seen. The area around Blacklock Point was examined carefully at low tide and only rocks noted in ink on the topo sheet were found.

3. More rocks were located in the vicinity of Castle Rock than are shown on T-1130. The area to the westward of Castle Rock to the outer rocks (signals TOP and DIN) is very foul.

Descriptive Report to accompany sheet D, continued:-

4. The rock cluster of 7 rocks, 640 meters east of Gull Rock was revised as shown.

5. The shore line of Gull Rock and rocks in the vicinity were revised as shown.

6. The sunken rock, shown on T-1130, 300 meters 208° true from signal FROM was not seen. The rock cluster shown 220 meters S.W. of this is a single large rock and is awash at two-thirds tide.

7. 660 meters 26° true from Cape Blanco Light is a rock awash at extreme low tide which was not shown on the old survey.

8. 840 meters 342° true from Cape Blanco Light is a rock awash at MLLW which was not shown on the old survey.

9. Inshore rocks in the vicinity of Cape Blanco were revised somewhat differently than shown on the old photostat.

10. 960 meters 295° true from Cape Blanco Light are two sunken rocks about 50 meters apart. The southernmost shows bare in the trough of the swell at extreme low tide and the northernmost shows a boil over it at extreme low tide. This is the rock hit by the steamer Chancellor in 1928. Half of the Chancellor was washed ashore north of Castle Rock and is the wreck shown 350 meters N.W. of signal G00. The other half of the wreck is supposed to lie somewhere in the vicinity of where she struck. This may be the northernmost of the two rocks mentioned.

11. Many wash rocks were located both to the northward and westward of signal DUB which were not shown on the old photostat. The channel to the westward of signal DUB is the only boat passage inside of Blanco Reef and is used by most of the fishing boats in this region. The two rocks, 220 meters west of signal DUB marked Aw.L.T. show only at extreme low tides and do not show a break when covered.

12. Pyramid rock was shifted somewhat in position and other rocks in the vicinity revised somewhat from those shown on the old survey. The chart and Coast Pilot gives the height of Pyramid Rock as 80 ft; This should be changed to 30 feet.

13. 800 meters south of Pyramid Rock is a large foul area with several rocks showing. This area breaks at nearly all times.

14. The large rock 1150 meters south of Pyramid Rock was revised as shown. This rock was sketched from the launch. Breakers show to the westward in rough weather. For the sunken rock to the W.S.W. see hydrographic sheet. This rock is marked by breakers at low tide.

Comparison with Chart 5952.

1. There is no rock in the position of the one shown on Chart 5952 280 meters N.W. of the rock marked (20) lying 280 meters north of Tower Rock. (This rock is signal WIN on the topo sheet).

2. There is no rock in the position of the one shown on chart 5952 400 meters N.E. of the rock marked (20), (signal WIN).

Descriptive report to accompany sheet D, continued:-

3. There is no rock in the position of the one shown on Chart 5952, 520 meters N.N.E. of Castle Rock.

4. The road shown on the chart along the coast from Blacklock Point southward is no longer in existence.

STATISTICS:

| | |
|-----------------------------|------|
| Statute miles of shore line | 18.3 |
| " " " roads | 1.5 |

Respectfully submitted,

Approved,

Augustus P. Ratti

Chief of Party.

Inspected and found adequate. The junctions with the adjoining sheets are satisfactory and the specific instructions were complied with.

E. P. Ellis, Feb. 1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

4360

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 No. D

REGISTER NO. 4360

State Oregon

General locality ~~Coast~~ Cape Blanco

Locality ~~Cape Blanco~~ Blacklock Pt. to 5 mi. south of Cape Blanco

Scale 1:10,000 Date of survey June and July, 192⁸

Vessel Chartered Launch Rogue

Chief of Party A. P. Ratti

Surveyed by Thos. B. Reed

Inked by Thos. B. Reed

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

Contour, Approximate contour, Form line interval _____ feet

Instructions dated March 19;, 192⁸

Remarks: _____