

4519

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: California

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. ^D

4519

LOCALITY

Drakes Bay

Vicinity of Double Pt.

1929

CHIEF OF PARTY

O. W. Swainson

C. & G. SURVEY
L. & A.
APR 5 1929

D E S C R I P T I V E R E P O R T

To Accompany Topographic Sheet No. D 4519

California Coast North of Double Point

O. W. Swainson, H. & G. Eng. Chief of Party

1929

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4519

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. 4519

State California.

General locality Drake's Bay.

Locality Vicinity North of Double Point.

Scale 1:10,000 Date of survey June, 192 9

Vessel U.S.C. & G.S.S. PIONEER.

Chief of Party O. W. Swainson, H. & G. Engr.

Surveyed by John A. Bond, H. & G. Engr.

Inked by John A. Bond, H. & G. Engr.

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

Contour, Approximate contour, Form line interval feet

Instructions dated April 9, 1929., 192

Remarks:

D E S C R I P T I V E R E P O R T

To Accompany Topographic Sheet D

Instructions

The topography on this sheet was executed under the Director's instructions to the Commanding Officer, Steamer PIONEER, dated April 9, 1929.

Limits and Scale

The topography included on this sheet, surveyed on a scale of 1 to 10,000, covers the shore line of Drakes Bay between points approximately 3 miles northwest and 1 mile southeast of Double Point. It is joined on the west by sheet C and on the east by sheet E, both of this season's work.

Control and Survey Methods

The usual survey methods were used. Control points along the shore were established by supplementary triangulation. Traverse was run between these points, the closing error of which was kept below the allowable limit and adjusted on the sheet. Off-laying rocks were located by at least three intersecting cuts and the limits of the larger rocks located by tangents.

General Description of Topographic Features.

The shore line over the entire area is marked by high, dirt bluffs, the base of which forms the storm high water line. Access to the beach from inland is extremely difficult except in front of the ranch house $1\frac{1}{2}$ miles north of Double Point. This group of houses, known locally as the Wildcat Ranch, is now deserted and in a state of decay. About $\frac{1}{4}$ mile north of Double Point a small waterfall, about 30 feet in height, makes down over the cliff.

The large rock off Double Point is white in appearance and conspicuous, as is also the rock south of signal Glen. The 54 foot rock 900 meters southeast of Double Point is connected with the shore by a ledge bare at low water. The ledge is completely covered at high water. The inshore water area in the vicinity of station Lake is marked with thick kelp with indications of numerous sunken rocks.

Back of the shore line the land is grass-covered, with brush and small trees in the ravines as shown on the original sheets.

Comparison with Previous Surveys

The area was originally surveyed in 1859 on sheet 807, scale 1 to 10,000.

4519

- 2 -

In comparison with the present survey the following changes are noted:

On the original survey the storm high water line was shown instead of the mean high water line.

In the vicinity of signal Glen the rocks shown on sheet 807 are in error. All rocks that actually exist are ~~are~~ shown on the present sheet and these only should be charted.

The houses and cultivated area shown on sheet 807, north of latitude $37^{\circ} 58'$, no longer exist. The group of houses shown on the present sheet in that vicinity has been erected since the original survey.

The waterfall north of latitude $37^{\circ} 57'$ is not shown on the original sheet.

The rocks in the vicinity of Double Point are indefinitely shown on sheet 807. The present sheet shows all rocks that exist in this area and these only should be charted.

The same is true of the rocks off signal Lake.

The photostat of the original sheet shows several marks which might be mistaken for rocks. The entire inshore area covered by the sheet has been closely examined and no rocks bare that are not shown on the present sheet.

Form lines shown in pencil on the sheet were transferred from the original survey and checked in the field. They were found to be exceptionally accurate.

Landmarks

The only landmark of value on the sheet is the large barn $1\frac{1}{2}$ miles north of Double Point. This a large white structure, at present abandoned but in a fair state of repair. The position of the southwest gable is as follows:

Latitude $37^{\circ} 58' 510$ meters.

Longitude $122^{\circ} 47' 327$ meters.

John A. Bond
John A. Bond
Lieut. U.S.C. & G. Survey.

Approved:

O. W. Swainson
O. W. Swainson,
Commanding Str. PIONEER.

6157