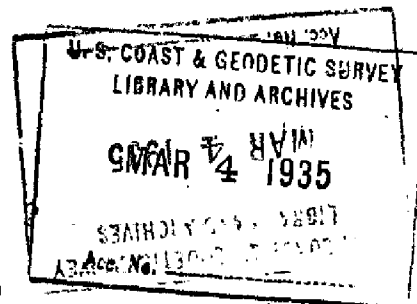


6228



~~CONFIDENTIAL~~

Form 504
Ed. June, 1923

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

State: Alaska

DESRIPTIVE REPORT

Topographic ~~Hydrographic~~ Sheet No. "D"

LOCALITY

Aleutian Islands

Unalaska Island

~~Malachin Bay~~

Anderson Bay

19 34

CHIEF OF PARTY

H. B. Campbell

U. S. GOVERNMENT PRINTING OFFICE: 1921

6228

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. 6223

State Alaska

General locality Aleutian Islands, Unalaska Island

Locality Anderson Bay

Scale 1:20,000 Date of survey August, 19 34

Vessel Str. DISCOVERER

Chief of party H. B. Campbell

Surveyed by P. L. Bernstein

Inked by P. L. Bernstein

Heights in feet above H.W. to ground ~~to top of rocks~~

~~Contours approximately as shown~~ Form line interval 100 feet

Instructions dated April 13, 19 34

Remarks: _____

DESCRIPTIVE REPORT
to accompany
Topographic Field Sheet "D".

U.S.C. & G.S.S. DISCOVERER

H. B. Campbell, Commanding

Season of 1934

AUTHORITY:

This survey was made in accordance with the Director's instructions dated April 13, 1934, field Project HT-177.

LOCALITY:

The sheet covers Anderson Bay, which is one of the arms of Makushin Bay.

METHODS OF SURVEY:

Third order triangulation was used for control. The standard methods of cuts, resections, three-point fixes and short traverse were used. The shoreline from triangulation station SPIT to triangulation station FAIR was traversed and closed well within the allowable error. This adjustment was made in the field.

METHODS DEVIATING FROM STANDARD PRACTICE:

The triangulation in this area was not completed until after the topography was finished. However, the distances between triangulation stations were computed, and the stations were plotted by swinging arc distances. At the close of the season the projection was made on the sheet, checking all the triangulation stations, which made no adjustment necessary.

GENERAL DESCRIPTION:

Anderson Bay is about 5 miles long and 2 miles wide at the entrance and extending in a northerly and southerly direction. The western entrance to the bay is marked by a long, low gravel spit, with kelp close inshore. The southern end of the bay divides into two arms, each about 2 miles long and less than a mile wide. Four large grass-covered islands extend along the eastern side of the bay.

The shoreline is somewhat rugged, consisting of low cliffs rising gently to the grass-covered terrain. Stretches of gravel beach are clearly shown on the sheet. Numerous streams are found in the bay.

LANDMARKS:

There are no prominent landmarks in the bay itself.

FORM LINES:

Numerous elevations were determined by the usual plane-table methods. All cuts were taken to the ground, and form lines were drawn.

MAGNETIC MERIDIANS:

Two magnetic meridians were drawn on the sheet. They agree very well.

WELL ESTABLISHED NAMES:

Anderson Point is the local name of the eastern entrance to the bay.

Peter Island is the local name of the first island from the entrance of the bay. This was named after a former settler on the island.

Gull Island is the local name of the third island, so named because of the preponderance of gulls.

NEW NAMES:

No new names were assigned by the field officers.

STATISTICS:

Statute miles of shoreline - - - - - 31.2

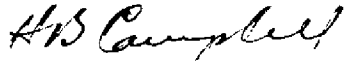
Area, square statute miles - - - - - 22 -

Respectfully submitted,



Percy L. Bernstein,
Jr. H. & G. Engineer.

Approved and forwarded:



H. B. Campbell, H. & G. E.,
Chief of Party, C. & G. S.

GEOGRAPHIC NAMES

Date. March 11, 1935 ALASKA

Survey No. T 6228

Chart No. 8802

Diagram No. 8802-2

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

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

Under investigation. Q

Names underlined in red approved Mar. 28, 1935
Harlow Bacon

[illegible]

REVIEW OF TOPOGRAPHIC SURVEY No. 6228

Title (Par. 56) *Anderson Bay, S.W. Alaska*Chief of Party *H.B. Campbell* Surveyed by *P.L. Bernstein* Inked by *P.L. Bernstein*Ship *Discoverer* Instructions dated *April 13, 1936* Surveyed in *August, 1934*

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 number of elevations given
5. The delineation of ~~contours~~-~~formlines~~- is satisfactory. (Par. 49, 50.) ✓
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.) *Low water line very poorly drawn*
Rock symbols too small
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
See reverse side
10. ~~The span, draw and clearance of bridges are shown.~~ (Par. 16c.)
11. Locations and elevations of summits are given. (Par. 19, 51.) ✓
12. The ^{grass}~~tree~~ line was shown on mountains. (Par. 16g.)
No trees in this locality - grass line not 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

This is the first detailed survey of this area. The chart does not contain near the detail shown on the present survey and due to the small scale of the chart cannot be compared to any advantage.

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.) *14 cards submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *2 Meridians shown in good agreement
Note of having checked declinations in D.R. T 6434*
18. The geographic datum of the sheet is *Unalaska (Unadjusted)* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate.
*Joins T 6424 (1935) on the N.E. (See reverse side)
Joins T 6423 (1935) on the N.W.*
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.) *Lettering and general drafting not uniform. Rocks symbols are too small*
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. Bush Jr June 6, 1936

Examined and approved:

C. K. Green
Chief, Section of Field Records*L. O. Lobat*
Chief, Division of Charts*Fred. L. Peacock*
Chief, Section of Field Work*G. H. de*
Chief, Division of Hyd. and Top.

Paragraph 19

The junction with T64 23 on the North West is overlapping for over a mile of shore line. A thorough examination of the two surveys indicates that East of Δ @ Aba (@ Leg on T6423) survey T6228 should be accepted and West of this point T6423 should be the authority. The Description of Triangulation Station card states that Δ Rise is situated on a knoll about 400 feet high which would indicate that 427 feet should be accepted as shown on T6228 (See Review of T6423 Paragraph 19).

See Rev. of T-6423(1935), par. 19 for discussion, and disposition of these discrepancies. The correct elevation for charting purposes of Δ Rise is 330 feet as indicated on T-6423(1935) (see field letter attached to that review). H.W.M. (8-14-36)