11322 11323

11322 11323

Diag. Cht. No. 8863-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

# DESCRIPTIVE REPORT

*Type of Survey* Topographic

*Field No.* 6034 *Office No.* T-11322
T-11323

LOCALITY

*State* Alaska

*General locality* Aleutian Islands, Andreanof Group.

*Locality* Adak Island

1953-55

CHIEF OF PARTY

S.B.Grenell, Chief of Field Party
L.W.Swanson, Div. of Photo. Wash,D.C.

LIBRARY & ARCHIVES

DATE September 15, 1958

B-1870-1 (1)

Chart 9141 - part app'd - consider final until reconstr. 1/13/61 JWE

Cht 9119 - Part applied - consider final until cht is reconstructed
11-6-62
WHW

# DATA RECORD

T - 11322
T - 11323

Project No. (II): 7-6034 Quadrangle Name (IV): Adak Island

Field Office (II): —Ship Explorer Chief of Party: S. B. Grenell

Photogrammetric Office (III): Washington, D. C. Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III):
Office memo 10 November 1954
Instruction for compilation,
Andreanof Islands, 31 October 1955

Copy filed in Division of Photogrammetry (IV)
Office Files

Method of Compilation (III): (shoreline) Graphic Compilation (planimetry & Contours) Reading Nine Lens Plotter

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III): 1:20,000

Scale Factor (III): 1.0

Date received in Washington Office (IV): 3-23-56 Date reported to Nautical Chart Branch (IV): 3-30-56

Applied to Chart No. Date: Date registered (IV): 5/27/58

Publication Scale (IV): Publication date (IV):

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

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III):

Lat.: Long.: Adjusted ~~Unadjusted~~

Plane Coordinates (IV): State: Zone:

Y= X=

U.T.M. grid, Zone No. 1

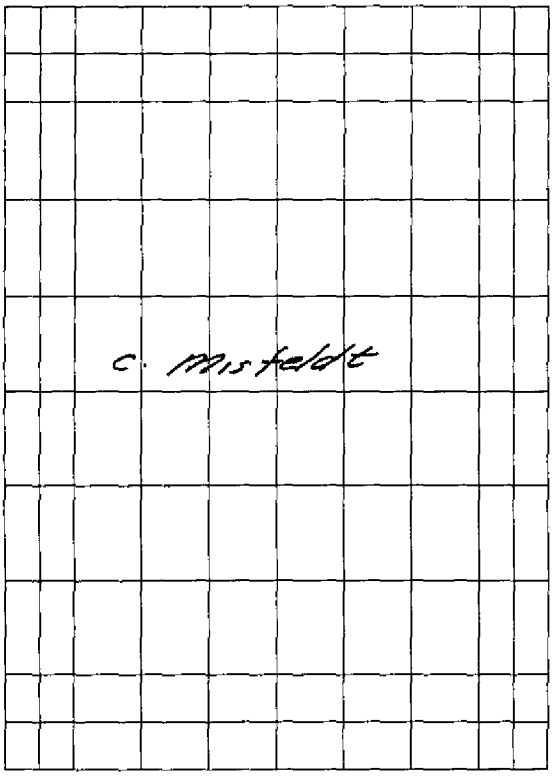
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

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



M-2618-12(4)

T-11322 & T-11323




*Areas contoured by various personnel*
(Show name within area)
(II) (III)



M-2618-12 (4)

# DATA RECORD

Field Inspection by (II): Control and shoreline inspection from Ship EXPLORER — Date: 1954, 1955

Planetable contouring by (II): -- — Date:

Completion Surveys by (II): -- — Date:

Mean High Water Location (III) (State date and method of location): Date of Photography

Projection and Grids ruled by (IV): Austin Riley — Date: 10-18-54

Projection and Grids checked by (IV): Howard Wolfe — Date: 10-27-54 / 11-10-54

Control plotted by (III): Jeter Battley — Date: 1-15-55
W. R. Kachel — 1-20-55
W. Byron Hale — 11- 55
George Walker, Jr. — 12-6-55

Control checked by (III): Martha Webber — Date: 1-21-55
W. R. Kachel — 1-24-55
Donald Carrier — 11- 55
K. N. Maki — 12-6-55

Radial Plot or Stereoscopic Control extension by (III): Samuel G. Blankenbaker — Date: 11-18-55

Stereoscopic Instrument compilation (III): Planimetry ) C Misfeldt T-11322 Date: 1-20-56
Contours ) T-11323 Date: 2-28-56

Manuscript delineated by (III): T-11322 - R. Sugden } shoreline — Date: 12-1-55
T-11323 - K. N. Maki } shoreline — 12-2-55

Photogrammetric Office Review by (III): K. N. Maki (Shoreline) — Date: 12-5-55
L. Levin (Planimetry & Contours) T-11322 2-10-56, T-11323 3-27-56

Elevations on Manuscript checked by (II) (III): Date:



M-2618-12(4)

Camera (kind or source) (III): C&GS 9-Lens

PHOTOGRAPHS (III)

| Number | Date | Time | Scale | Stage of Tide |
|---|---|---|---|---|
| 41959 thru 963 | 9-21-53 | 2:27-2:30 | 1:20000 | 2.0 above MLLW |
| 42085 thru 088 | 9-25-53 | 12:34-12:37 | " | 2.1 above MLLW |
| 42090 thru 095 | 9-25-53 | 12:43-12:48 | " | 2.2 above MLLW |
| 46082 thru 084 | 9-6-54 | 15:23-15:24 | " | 2.6 above MLLW |

Tide (III)

| Ratio of Ranges | Mean Range | Diurnal Range |
|---|---|---|
| 1.0 | - | 3.7 |
| 1.0 | - | 3.7 |
| | | |

Reference Station: Sweeper Cove, Adak, Alaska
Subordinate Station: *Use Sweeper Cove
Subordinate Station:

Washington Office Review by (IV): T-11322 Everett H. Ramey Date: 26 Mar 1956
T-11323 " " 13 Apr 1956

Final Drafting by (IV): T-11322 R. Kelly Date: 8-22-1956

Drafting verified for reproduction by (IV): T-11322 Wm O. Hallin Date: 9-13-56

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III):
Shoreline (More than 200 meters to opposite shore) (III):
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): ** Recovered: Identified:
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Remarks: *Sweeper Cove

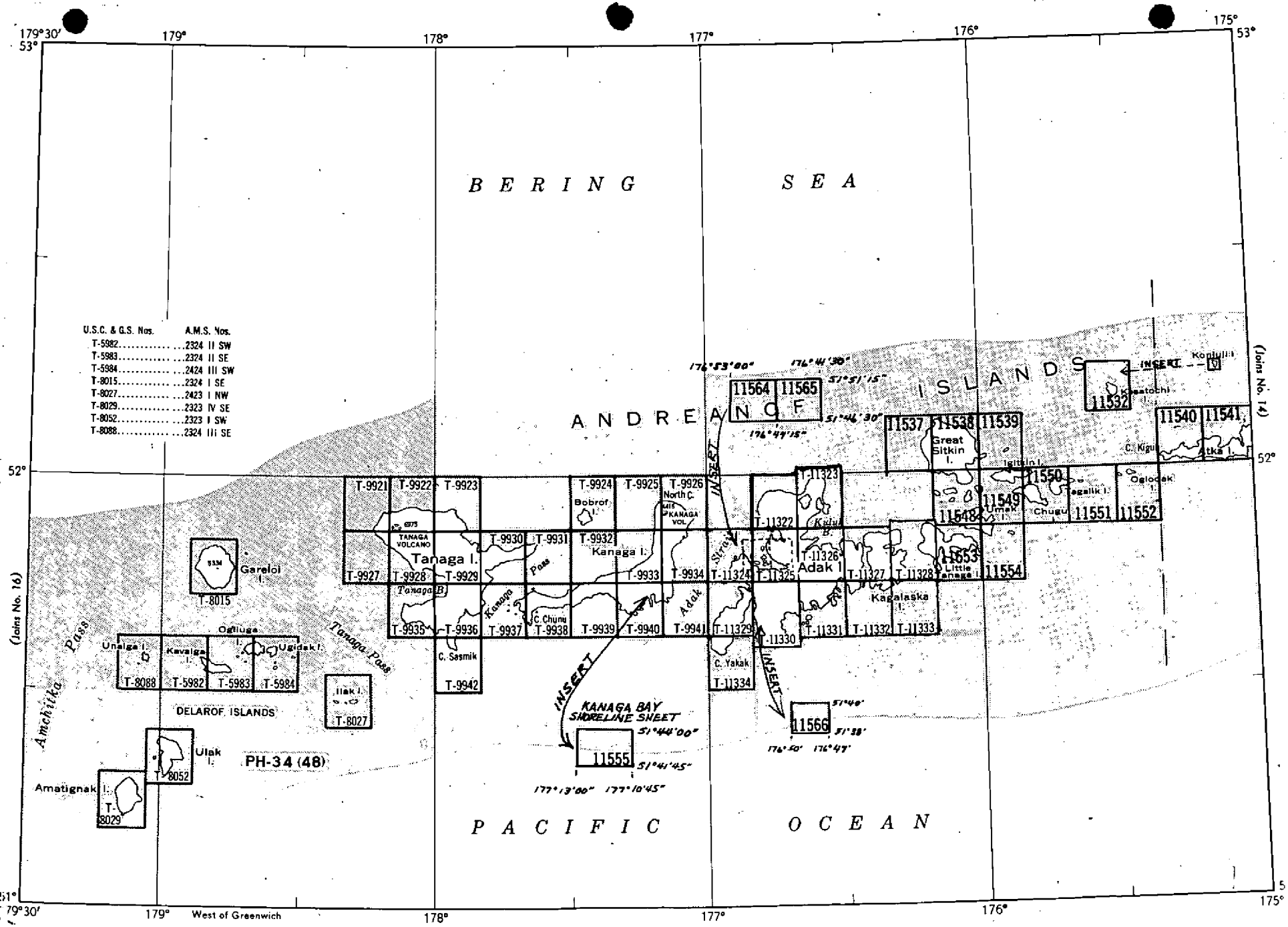
| | Time Differences | Ratio of Ranges |
|---|---|---|
| Cape Kiguga to Oglala Point | 0.0 | 1.0 |

(Tide data from Tides and Currents Division - Mr. Wilcox - 11-21-55)

**See Photogrammetric Plot Report.

# TOPOGRAPHIC MAPPING PROJECT 6034

## Aleutian Islands, ALASKA Part B



Summary to Accompany Topographic Maps T-11322 and T-11323

Maps T-11322 and T-11323 cover the northern part of Adak Island of the Aleutian Islands in Alaska. The most prominent features include Mt. Moffet and Mt. Adagdak. These maps were completed for publication as standard large-scale topographic quadrangles.

Shoreline features on these maps were compiled by graphic methods for use in hydrographic surveys. Topography and interior planimetry were compiled by the Reading Plotters sometime later. Field work in advance of compilation included the inspection of shoreline features and the identification of control. No field edit was accomplished. Coast and Geodetic Survey nine-lens photographs taken in 1953 and 1954 were used in the compilation supplemented by some single-lens photographs.

Items registered under these map numbers will include one combined descriptive report, ~~cloth-backed~~ REVERSE prints of the map manuscripts and cloth-backed color prints of the published maps.

[illegible] INSPECTION REPORT

for

T-11322, 23, 27, 28, 29, 30, 31, 32, 33, 34, I- [illegible],
T-11549, 46, 53, 54, T-11556

2. Areal field inspection

(a) These maps cover most of Adak Island, all of Kagalaska I., Little Tanaga I. and Great Sitkin I. which are among the islands known as the Andreanof Group. Adak I. is the largest of these islands and the most important in the Andreanof Group. Its importance is based on the fact that it is the site of Davis Air Force Base, and the U. S. Naval Station, Adak, Alaska. The island is approximately 20 miles wide and 25 miles long. Its most prominent features are Mt. Moffett at the northwest end, Mt. Adagiak on the northeast tip, and Cape Yakak, a large flat plateau at its south west corner. The island is very mountainous and lakes of all sizes abound. The shoreline is markedly cut up into numerous bays and small islands.

Landings on Adak Island can be made without too much difficulty under normal sea conditions with the exception of that stretch of beach north of Cape Kiguga to Cape Moffett, where landing is difficult under any but calmest sea conditions.

There are scattered groups of buildings (mostly quonset huts), built by the Navy throughout Adak Island. Outlying areas where buildings were noted were: the north end of Shagak Bay, the heads of Boot Bay and Hidden Bay, at Cape Kiguga, at station CLAM(USW), [illegible] and at Cape Yakak, which had been a fairly large establishment. All the buildings in these areas were apparently abandoned and in a state of disrepair.

Kagalaska I. and Little Tanaga I. are similar to Adak I. as to geographical features.

Great Sitkin I. is approximately 10 miles long and 8 miles wide. Its predominant feature is a bare conical peak of approximately 5700 feet with a huge crater of an active volcano on its northwest slope. The mountain's slopes sustain practically no growth (except in the lower reaches), due to the almost constant fall of volcanic ash, and the periodic lava flows are readily recognized on the excellent photographs of the area. Shoreline inspection was accomplished on the north side of the island from Bugle Point to the bay area just south of Saddle Point. Much of the shoreline in this area is steep and rocky, but there are long stretches of sand beach, specifically in the bay areas between Bugle Point and Sulphur Point, and Sulphur Point and Teapot Rock.

Sand Bay has a large number of buildings and is an an operational

[illegible] as a Naval Fuel Supply Depot. The only [illegible] island are at Cape Kingtlak and these are abandoned [illegible] of disrepair.

(b) Field Inspection: Shoreline inspection was [illegible] while running in a launch parallel to the shoreline. Inspection is believed to be sub-standard only in those areas where shadow was dark enough to obscure the shoreline. Shoreline in these areas was approximated as close to its actual position as was practicable. No marked discrepancies were noted in office-compiled shoreline. See side heading 7 for list of minor discrepancies. Heights of offlying pinnacles were estimated and no precise measurements were attempted.

(c) Quality of Photographs: The quality of the nine-lens photographs was very good in most instances. Coverage on the north shore of Adak I. from Cape Moffett to Andrew Bay was good on the field photos but there was considerable difficulty transferring selected photo-hydro points to the poorer office prints. Deep shadow obscured shoreline in some areas around Beyer Bay and nearby offlying islands, from Finger Bay to Thunder Point, and the east side of Ragged Point.

(d) Items of Historical Interest: Inapplicable.

3. Horizontal control

(a) Supplemental control of third order accuracy established: *

ACORN, 1955
BALSA, "
LCBA, 1947 and 1955
TANK, 1955
FANG, "
GULF, "
RADIO TOWER, 1955

* See Triangulation Report, Ship EXPLORER, for detailed information concerning horizontal control.

[illegible]tation REV (USN), 1933 was re-established on its original site. The station mark had been broken away from the concrete base but the impression of the base of the mark remained in the concrete and the mark was replaced and re-cemented in its original position.

(b) No datum adjustments were made by the field party.

(c) The following horizontal control of 2nd. and 3rd. order accuracy, established by other agencies was identified:

| [illegible] NAME | MANUSCRIPT | PHOTO NO. |
|---|---|---|
| [illegible]), 1943 | T-11330 | 41906 |
| [illegible]), 1943-(doubtful) see (d) | T-11331 | 42140 |
| [illegible]), 1943 " " " | T-11331 | 42139 |
| [illegible]), 1943 " " " | T-11326 | 42138 |
| [illegible]), 1944 " " " | T-11323 | 39081 |
| [illegible]), 1933 | T-11323 | 42093 |
| [illegible], 1933 | T-11322 | 46084 |

(cont.)

| STATION NAME | MANUSCRIPT | PHOTO NO. |
|---|---|---|
| AL29(USN), 1943 | T 11329 | 39069 |
| CLAM(USN), 1934 | T-11323 | 39082 |
| LITTLE TANAGA(USN), 1934 | T-11328 | 41940(42160-OP) |
| ICE(USN), 1933 | T-11328 | 41940 |
| NGO(USN), 1934 | T-11549 | 41934 |
| CHUGUL(USN), 1943 | T-11549 | 42108 |
| ASUKSAK(USN), 1934 | T-11548 | 41978 |
| TAGADAK(USN), 1934 | T-11548 | 41935 |
| UMAK(USN), 1934 | T-11548 | 41936 |
| MAL(USN), 1934 | T-11548 | 41916 |
| BAT(USN), 1934 | T-11553 | 41914 or 15 |
| KEY(USN), 1934 | T-11553 | 41916 or 17 |

(d) The following stations required by the project instructions for control of compilation were not recovered or established and/or positively identified:

MDP(USN), 1933 was not recovered. A search of approximately one hour failed to locate this station. Further search was considered impractical.

Station (or azimuth) at Cape Moffett was not established. A substitute station, ACOHN, 1955 was established on a small offlying island approximately 2-1/2 miles further to the east along the north shore. It was felt that this location would fullfill the requirements and could be established with less difficulty and greater accuracy.

HID(USN), 1943 was not positively identified. A check of the field identification aboard ship raised some doubt as to the correctness of identification of the objects used as sub-points. An explanation and sketch was included on the CSI card.

(e) All Coast and Geodetic Survey Marks which were required by the project instructions were searched for. The following stations were listed as lost on form 526, but were identified:

| STATION NAME | MANUSCRIPT | PHOTO NO. |
|---|---|---|
| DYK(USN), 1934 | T-11328 | 41940 |
| SID(USN), 1934 | T-11535 | 41916 or 17 |

Station DYK(USN), 1934 was not found. A small rock islet with surroundings fitting the original description of the station was found in the location of the plotted station, but no evidence of the station was found. As field identification checked with office identification, a CSI card was completed and forwarded. If this station does not hold in the new radial plot it is recommended that it be rejected.

Station mark SID(USN), 1934 had been dislodged and was found lying near its concrete base. The station is "lost" but identification of concrete base is positive, and considered adequate for photogrammetric control.

ANAGAKSIK(USN), 1934 was identified but not recovered. Landing was too difficult at the only practical approach to the station, and as the remains of the old tripod and an iron pipe marker mentioned in the description could be seen from the water, the station was pricked direct at the point observed. It is believed that this identification will fall within the requirements of accuracy; however, if this station does not hold in the radial plot it should be rejected.

(f) The following horizontal control established by the Coast and Geodetic Survey was identified:

| STATION NAME | MANUSCRIPT | PHOTO NO. |
|---|---|---|
| FANG, 1955 | T-11330 | 41906 |
| GULF, 1955 | T-11330 | 42142 |
| ACORN, 1955 | T-11322 | 39072 |
| BALSA, 1955 | T-11323 | 39068 |
| TANK, 1955 | T-11323 | 39068 |
| LALA, 1946 | T-11328 | 41941 |
| FRONT RANGE LT., 1946 | T-11326 | 42102 |
| SCAB, 1943 | T-11326 | 42103 |
| HID, 1943 | T-11326 | 42103 |
| ROCK, 1954 | T-11329 | 54-W-2864 |
| RADIO MAST, 1955 | T-11323 | 42086 (OP) |
| BUCK, 1954 | T-11566 | 54-W-2866 |
| CANE, 1954 | T-11566 | 54-W-2874 |
| COVE, 1943 | T-11549 | 41934 |
| PASS, 1943 | T-11549 | 41932 |
| RF2, 1945 | T-11327 | 42103 |
| ONE, 1945 | T-11326 | 42102 |
| NINE, 1945 | T-11326 | 42102 |
| SULPHUR POINT, OUTER ROCK, 1953 | T-11538 | 46065 |
| SULPHUR POINT, ROCK NO. 2, 1953 | T-11538 | 46065 |
| TEA POT SPOUT, 1953 | T-11538 | 46074 |
| TEA POT ROCK, 1953 | T-11538 | 46074 |

4. Vertical Control

(a) The only existing bench marks are tidal bench marks at Sweeper Cove Tide Gage, Adak, Alaska, and those established during the 1955 field season at Chapel Roads, Elf Island, Cemetery Point, Andrew Bay, and Cape Kingilak. Tidal bench marks were not used to establish elevations of vertical control points and were not identified.

(b) All elevations were established by trigonometric leveling from theodolite observations at horizontal control stations or unmarked photo stations. They are based on observations of the water surface at identifiable points.

Eccentric setups and small angles made good side checks difficult to obtain from stations in the Beyer Bay area. In other areas the use of photo points made computations impracticable. Therefore elevations were computed only for identified vertical control points; horizontal distances being obtained by radial plotting identified peaks. The datum for the computed elevations is mean high water based on the stage of the tide computed from the tide tables at the time of observations on the water surface. The datum thus established is probably within one foot of mean high water. A check in elevation within reasonable limits was deemed satisfactory and no attempt was made to make results check exactly. Elevations obtained are felt to be satisfactory. All observations taken at KBM(USN), 1934 are unchecked and computed elevations are completely dependent upon accuracy of identification.

(c) Vertical control points were established as follows:

| NAME | MANUSCRIPT | PHOTO NO. |
|---|---|---|
| P-032 | T-11330 | 42169 |
| 033 | T-11325 | 42169 |
| 034 | T-11331 | 42168 |
| 035 | T-11331 | 42168 |
| 036 | T-11331 | 42168 |
| 037 | T-11327 | 42165 |
| 038 | T-11327 | 42165 |
| 039 | T-11327 | 42165 |
| 040 | T-11328 | 42165 |
| 041 | T-11332 | 42165 |
| 042 | T-11323 | 37672 |
| 043 | T-11322 | 39072 |
| 044 | T-11322 | 39072 |
| 045 | T-11325 | 42101-2 |
| 046 | T-11325 | 42101-2 |
| 047 | T-11326 | 42101-2 |
| 048 | T-11326 | 42101-2 |
| 049 | T-11326 | 42104 |

| | | | |
|---|---|---|---|
| from | KBM Pt. A | T-11328 | 42135 |
| | B | T-11327 | 42164 |
| | C | T-11327 | 41942 |
| | D | T-11328 | 42196 |
| | E | T-11328 | 42196 |
| | F | T-11538 | Great Sitkin |
| | G | T-11538 | Great Sitkin |
| | H | | |
| | J | T-11328 | 42162 |
| | K | T-11328 | 42162 |
| | L | T-11553 | 42132 |
| | M | T-11553 | 42132 |

From [illegible]

(4) Vertical control stations established did not fullfill the requirements of the project instructions. The taking of vertical angles for establishing this control is necessarily dependent upon such factors as: (1) general visibility, (2) cloud coverage, (3) working area, (4) landing conditions, (5) other priority work requirements. Because of these reasons the control established necessarily diverges from the requirements.

5. Contours and drainage

No contouring was accomplished in the area.

Drainage is obvious and well defined. There was no field inspection of the interior. Lakes and ponds in the area are well defined and are not marked on the photos.

6. Woodland cover

None exists. High slopes are rock, low slopes are grass and tundra.

7. Shoreline and planimetric features

(a) The mean high-water line was indicated at intervals in areas where clearly visible, and in areas where the shoreline was indistinct or obscured by shadow. Time would only allow an approximation of the correct configuration of the shoreline in these areas. The following areas of minor discrepancy were noted on the preliminary manuscripts.

(1) Poor delineation of shoreline in group of small islands at east side of Andrew Bay. On the north side of Adak I. more recent photos are much clearer.

(2) At 51° 41' and 176° 36' small islet shown on manuscript at north of group of small islands is not separated but a part of the larger island.

(3) At 51° 42.2' 176° 36.3' small island - not delineated.

(4) At 51° 44.1' 176° 31.5' " " " "

(5) At 51° 43.8' 176° 39.4' rocks visible on photos

(6) At 51° 41.5' 176° 35.3' and at 51° 42.1' 176° 32.6' there are no ledges in these areas.

In other instances, shadow tended to obscure cut-backs along the shore and some of these were indicated on the photographs. A listing of photographs with shoreline notes is attached at the end of this report.

(b) The low water line was not defined except in those areas where it corresponds to the high water line, as at sheer rock ledges or cliffs. A limiting or foul line was indicated in many instances where it was considered helpful or necessary. In most instances relatively deep water extends right up to the beach line and inshore sounding lines are restricted only by foul areas.

(c) Foreshore differences on Adak I. range from flat sand beach as at the southeast corner of Andrew Bay, to sheer rock cliffs as on the large portion of the southern coast. Except at the heads of the bays, beaches on the south side, are narrow and rocky.

(d) There are long stretches of rocky cliffs rising steeply from the water. Grass covered bluffs are more or less restricted to bay areas.

(e) Docks, wharves, piers, etc. are entirely restricted to those areas of Sweeper Cove, Finger Bay and Kuluk on Adak Island and Sand Bay on Great Sitkin Island.

8. Offshore features

All visible offshore features were visited during field inspection and their elevations were estimated either above the mean high water line or above the water surface at the time of field inspection.

Note: Field photo notations, on occasions, not too clear whether elev. is ref. to MHW or time of inspection. [illegible]

9. Landmarks and Aids

Landmarks are covered under another phase of field work. See report: LANDMARKS FOR CHARTS, ALEUTIAN ISLANDS, SHIP EXPLORER, 1955.

10. Boundaries, Monuments and Lines

Inapplicable.

11. Other Control

The following topographic station was established on the west side of Cape Chisak, as requested in project instructions:

| NAME | DESCRIPT | PHOTO NO. |
|---|---|---|
| JULY, 1955 | T-11328 | [illegible] |

Photo-hydro stations identified are listed on extra pages at the end of this report.

12. Other interior features

See side heading 2.

13. Geographic names

To be submitted as a separate report in connection with other field work.

14. Special Reports and Supplemental Data

Triangulation data has been forwarded to the Division of Geodesy, Washington, D. C.

Boat sheets have been forwarded to the Division of Coastal Surveys, Washington, D. C.

Other supplemental data:

| | | | | | | |
|---|---|---|---|---|---|---|
| Transmittal letter | dtd. | 6/13/55 | to | Wash. | Pkg | #67 |
| " | " | 8/10/55 | " | " | " | 76 |
| " | " | 8/10/55 | " | " | " | 77 |
| " | " | 8/15/55 | " | " | " | 78 |
| " | " | 10/6/55 | " | " | " | 86 |
| " | " | 10/11/55 | " | " | " | 89 |
| " | " | 10/18/55 | " | " | " | 90 |
| " | " | 10/19/55 | " | " | " | 91 |
| " | " | 10/20/55 | " | " | " | 96 |
| " | " | 10/21/55 | " | " | " | 97 |
| " | " | 10/21/55 | " | " | " | 100 |
| " | " | 11/2/55 | " | " | " | 107 |

Data forwarded with this report:

List of Directions
Abstract of Zenith Distances
Observations of Zenith Distances
Observations of Horizontal Directions from Sta. July-1955
Geographic Positions for new control established

Data included in this report:

Progress Sketch
Horizontal photographs (for identification of vertical control)
Data on elevations of vertical stations
Manuscript layout

15. Additional Work

Manuscript T-11566 was a supplemental sheet of scale 1:5,000 covering the area of Chapel Roads and Chapel Cove on the east side of the Bay of Waterfalls. Photographs of the area were single lens and their quality was very good. Triangulation Station Rock 1954 while not falling within the limits of the sheet was identified on one of the 1:5,000 scale photographs covering the area. Shoreline inspection was also done on the larger scale photographs where possible.

Hydrographic signals for this sheet were located by both photogrammetric and graphic methods with the following exceptions:

| Signal Name | Remarks |
|---|---|
| Bev | no photogrammetric location |
| Won | " " " |
| Zoo | no graphic location |
| Yak | " " " |

It is requested that photogrammetric locations for signals Zoo and Yak be furnished with Manuscript T-11566.

S. L. Hollis
Lieutenant, C&GS

Approved and Forwarded:

S. B. Grenell
Capt., C&GS
Commanding Ship EXPLORER

SHORELINE NOTES

| MAP | PHOTO |
|---|---|
| T-11322 | 41959 |
| | 42095 |
| | 46084 |
| | 46085 |
| T-11323 | 39067 |
| | 39069 |
| | 39082 |
| | 42102 |
| T-11326 | 42102 |
| | 42103 |
| T-11327 | 41940 |
| T-11328 | 41940 |
| | 41941 |
| | 42133 |
| | 42134 |
| | 42162 |
| T-11329 | 42147 |
| | 42170 |
| | 42171 |

| MAP | PHOTO |
|---|---|
| T-11330 | 41904 |
| | 41906 |
| | 41907 |
| | 42143 |
| | 42171 |
| T-11331 | 41907 |
| | 41908 |
| | 42138 |
| | 42139 |
| T-11332 | 42135 |
| | 42136 |
| | 42138 |
| | 42139 |
| T-11333 | 42134 |
| | 42135 |
| T-11334 | 42147 |
| | 42148 |
| T-11553 | 42133 |
| T-11566 | 54-W-2866 |
| | 54-W-2872 |
| | 54-W-2874 |

**NOTE:** T-11537 and T-11538 - photographs with shoreline notes previously submitted.

# PHOTO-HYDRO STATIONS

Manuscript T-11322

| | |
|---|---|
| Act | 46084 |
| Baw | 41959 |
| Cad | 39072 |
| Dog | 41959 |
| Eat | 39071 |
| Fal | 41960 |
| Gam | 41960 |
| Hag | 39072 |
| Ink | 39072 |
| Jim | 39073 |
| Kol | 39072 |
| Lip | 39072 |
| Ufi | |

Manuscript T-11323

| | |
|---|---|
| Alb | 39068 |
| Alp | 39067 |
| Bed | 39068 |
| Bog | 39067 |
| Cub | 39068 |
| Cut | 39082 |
| Dav | 39068 |
| Dud | 39082 |
| Eli | 39068 |
| Emu | 39082 |
| Fem | 39068 |
| Gad | 39068 |
| Hat | 39068 |
| Ira | 39068 |
| Jog | 39068 |
| Kin | 39068 |
| Lid | 39068 |
| Mac | 39069 |
| Mom | 39067 |
| Neo | 39067 |
| Num | 39069 |
| Odd | 39067 |
| Old | 39069 |
| Pie | 39069 |
| Pup | 39067 |
| Rat | 39067 |
| Rex | 39069 |
| Set | 39069 |
| Shy | 39067 |
| The | 39067 |
| Tit | 39069 |
| Use | 39067 |
| Ump | 39069 |
| Vet | 39067 |
| Wax | 39067 |
| Woe | 39068 |
| Yon | 39068 |
| You | 39067 |
| Zig | 39068 |
| Zep | 39067 |

Manuscript T-11327

| | |
|---|---|
| Amp | 42138 |

Manuscript T-11328

| | |
|---|---|
| Ale | 41940 |
| Age | 42162 |
| Ash | 42163 |
| Ase | 42135 |
| Bag | 42162 |
| Boo | 41940 |
| Bar | 41940 |
| Bin | 42162 |
| Bug | 42162 |
| Boy | 42135 |
| Com | 41940 |
| Can | 42135 |
| Cry | 42163 |
| Cam | 42162 |
| Din | 42162 |
| Dif | 42162 |
| Dig | 42162 |
| Eve | 42162 |
| End | 42162 |
| Eva | 42162 |
| Fir | 42162 |
| Fat | 42162 |
| Fun | 42162 |
| Gaf | 41940 |
| Gat | 42162 |
| Gus | 42162 |
| Hex | 41940 |
| Hog | 42133 |
| Hat | 42162 |
| Haw | 42135 |
| Ill | 42133 |
| Its | 42162 |
| Ivy | 42135 |
| Jig | 42133 |
| Job | 42162 |
| Joe | 41940 |
| Jug | 42135 |
| Kim | 42162 |
| Kit | 42135 |
| Kul | 42162 |
| Lax | 42135 |
| Lye | 42162 |
| Mig | 42162 |
| Mar | 42134 |
| Mum | 42135 |
| Nog | 42135 |
| Now | 42134 |
| Nat | 42162 |
| Oak | 42135 |
| Out | 42134 |
| Pop | 41941 |
| Pit | 42162 |
| Pew | 42133 |
| Run | 41940 |
| Rag | 42134 |
| Rue | 42162 |
| Sis | 42134 |
| Sob | 42162 |
| Tim | 41940 |
| Tic | 42162 |
| Tub | 42134 |
| Una | 42162 |
| Via | 42134 |
| Val | 42162 |
| Wac | 42134 |
| Woe | 42162 |
| Tuk | 42134 |
| Zam | 42134 |
| Zoo | 42162 |
| Pad | 42162 |

Manuscript T-11329

| | |
|---|---|
| Add | 42171 |
| Bah | 42171 |
| Cab | 42171 |
| Del | 42171 |
| Ego | 42171 |
| Edi | 42171 |
| Fed | 42171 |
| Fal | 42171 |
| Goo | 42171 |
| Gra | 42171 |
| Poi | 42171 |
| Sac | 42171 |

Manuscript T-11330

| | |
|---|---|
| Aim | 41905 |
| Abe | 42141 |
| Are | 41904 |
| Ask | 41906 |
| Ben | 41905 |
| Bab | 42141 |
| Boa | 41905 |
| Box | 41906 |
| Cox | 41905 |
| Cob | 42141 |
| Cut | 41905 |
| Caw | 42141 |
| Die | 41905 |
| Dan | 42141 |
| Dar | 42141 |
| Eve | 41905 |
| Eel | 42141 |
| Fix | 41905 |
| Fox | 42141 |
| Gay | 41905 |
| Gin | 42141 |
| Hem | 42171 |
| Hob | 41905 |
| Hoy | 42141 |
| Icy | 42171 |
| Ida | 41905 |
| Irk | 42141 |
| Jef | 42171 |
| Jil | 41905 |
| Jan | 42141 |
| Kip | 42171 |
| Keo | 41905 |
| Key | 42141 |
| Leg | 42171 |
| Len | 41905 |
| Les | 41905 |
| Lie | 42141 |
| Mop | 42171 |
| Meg | 41905 |
| Mat | 42141 |
| May | 42171 |
| Nav | 41905 |
| Nun | 42141 |
| Ole | 42171 |
| Own | 42141 |
| Oar | 42141 |
| Oki | 41905 |
| Par | 41905 |
| Pac | 41906 |
| Pad | 4214 |
| Pus | 41905 |
| Qua | 41905 |
| Rag | 41905 |
| Rec | 41906 |
| Sad | 41905 |
| Sic | 41906 |
| Tex | 41905 |
| Too | 41906 |
| Ugo | 42142 |
| Vel | 41905 |
| Van | 41906 |
| Was | 41905 |
| Win | 42142 |
| Yaw | 41905 |
| Yet | 42142 |
| Zed | 41905 |
| Zim | 42142 |

Manuscript T-11331

| | |
|---|---|
| Aid | 42139 |
| Any | 42140 |
| Ave | 42140 |
| Awk | 42140 |
| Ann | 42140 |
| Bel | 42139 |
| Bax | 42140 |
| Bix | 42140 |
| Bib | 42140 |
| Caw | 42139 |
| Cux | 42140 |
| Coy | 42140 |
| Cog | 42140 |
| Den | 42139 |
| Ded | 42140 |
| Dow | 42140 |
| Dix | 42140 |
| Erg | 42139 |
| Ewe | 42140 |
| Ear | 42140 |
| Egg | 42140 |
| Fib | 42139 |
| Flo | 42140 |
| Fly | 42140 |
| Fit | 42140 |
| Fee | 42140 |
| Gee | 42139 |
| Gyp | 42140 |
| Get | 42140 |

Manuscript
T-11331

| | |
|---|---|
| Guy | 42138 |
| Gum | 42140 |
| Gas | 42140 |
| Han | 42139 |
| Hep | 42139 |
| Hip | 42140 |
| Hoe | 42140 |
| Hug | 42140 |
| Her | 42140 |
| Iky | 42139 |
| Ink | 42139 |
| Ixo | 42140 |
| Ide | 42140 |
| Imp | 42140 |
| Jab | 42139 |
| Jed | 42139 |
| Jas | 42140 |
| Jag | 42140 |
| Jen | 42139 |
| Jam | 42140 |
| Kis | 42139 |
| Kof | 42139 |
| Kan | 42140 |
| Kil | 42139 |
| Key | 42140 |
| Lum | 42139 |
| Laf | 42139 |
| Low | 42140 |
| Law | 42140 |
| Led | 42139 |
| Log | 42140 |
| Lip | 42140 |
| Mac | 42139 |
| Mid | 42139 |
| Mae | 42140 |
| May | 42140 |
| Mit | 42139 |
| Man | 42140 |
| Mix | 42140 |
| Nek | 42139 |
| Nix | 42138 |
| Nap | 42140 |
| Nik | 42140 |
| Nul | 42139 |
| Not | 42140 |
| Ned | 42139 |
| [illegible] | 42140 |
| [illegible] | 42139 |
| Owl | 42139 |
| Paf | 42140 |

| | |
|---|---|
| Ola | 42140 |
| Old | 42140 |
| Org | 42139 |
| Obi | 42140 |
| Pea | 42139 |
| Pow | 42138 |
| Pab | 42140 |
| Pay | 42140 |
| Pam | 42139 |
| Peg | 41907 |
| Pep | 42139 |
| Pat | 42140 |
| Quo | 42140 |
| Rib | 42139 |
| Rag | 42138 |
| Rap | 42140 |
| Rin | 42140 |
| Raw | 41907 |
| Rim | 42139 |
| Rig | 42140 |
| Sal | 42139 |
| See | 42139 |
| Sat | 42140 |
| Sag | 42140 |
| Sol | 42140 |
| Say | 42139 |
| Sam | 41907 |
| Ton | 42139 |
| Tag | 42139 |
| Thy | 42140 |
| Tog | 42140 |
| Tap | 42139 |
| Tea | 41907 |
| Ugo | 42139 |
| Urn | 42139 |
| Vie | 42139 |
| Vip | 42139 |
| Viv | 42140 |
| Von | 41908 |
| Vim | 41907 |
| Way | 42139 |
| Wee | 42138 |
| Wow | 42140 |
| Wet | 41908 |
| Wat | 42139 |
| Who | 41907 |
| Yip | 42139 |
| Yea | 42140 |
| You | 41908 |
| Yam | 41907 |
| Zac | 42139 |

| | |
|---|---|
| Zap | 42141 |
| Zip | 42140 |
| Kum | 42140 |

Manuscript
T-11332

| | |
|---|---|
| Act | 42136 |
| Amy | 42135 |
| Bes | 42138 |
| Bid | 42136 |
| Buy | 42135 |
| Cul | 42138 |
| Our | 42136 |
| Dew | 42139 |
| Dam | 42136 |
| Don | 42136 |
| Hen | 42139 |
| Him | 42138 |
| Hba | 42136 |
| Fie | 42139 |
| Fig | 42138 |
| Fur | 42136 |
| Gig | 42139 |
| Gob | 42138 |
| Gel | 42136 |
| Hex | 42138 |
| His | 42136 |
| Har | 42134 |
| Ion | 42138 |
| Ike | 42136 |
| Jar | 42138 |
| Jax | 42136 |
| Kim | 42138 |
| Ken | 42136 |
| Lit | 42138 |
| Lee | 42136 |
| Mal | 42138 |
| Moe | 42136 |
| Nib | 42136 |
| Ora | 42136 |
| Put | 42136 |
| Rye | 42136 |
| Sin | 42136 |
| Tad | 42136 |
| Vow | 42135 |
| Wag | 42135 |
| Tel | 42135 |
| Cal | 42136 |

Manuscript
T-11333

| | |
|---|---|
| Dry | 42135 |
| Elk | 42135 |
| Foe | 42136 |
| Gib | 42135 |
| Ply | 42135 |
| Run | 42135 |
| Ski | 42135 |
| Try | 42135 |
| Tot | 42135 |

Manuscript
T-11334

| | |
|---|---|
| Arc | 42148 |
| Bun | 42148 |
| Dev | 42146 |
| Fry | 42146 |
| Gun | 42146 |
| Has | 42146 |
| Ina | 42146 |
| Jud | 42146 |
| Pax | 42148 |
| Rit | 42148 |
| Sky | 42148 |
| Ted | 42148 |
| Uso | 42148 |
| Vex | 42148 |
| Van | 42148 |
| Yes | 42148 |
| Zag | 42148 |

Manuscript
T-11537

| | |
|---|---|
| Ate | 46079 |
| Bif | 46079 |
| Cue | 46067 |
| Die | 46067 |
| Fed | 46068 |
| Gar | 46068 |
| Pay | 46078 |
| Rax | 46078 |
| She | 46078 |
| Sav | 46068 |
| Try | 46079 |
| Ump | 46079 |
| Vie | 46079 |
| Won | 46079 |
| Yip | 46079 |
| Zed | 46079 |

Manuscript
T-11535

| | |
|---|---|
| Aid | 46065 |
| Arc | 46078 |
| Baw | 46065 |
| Ben | 46077 |
| Cab | 46065 |
| Cuz | 46077 |
| Dad | 46065 |
| Dye | 46078 |
| Eat | 46065 |
| Emu | 46078 |
| Fal | 46065 |
| Flo | 46078 |
| Gad | 46073 |
| Gyp | 46078 |
| Hag | 46073 |
| Hum | 46078 |
| Icy | 46065 |
| Ira | 46078 |
| Jab | 46073 |
| Kak | 46073 |
| Knob | 46078 |
| Lam | 46073 |
| Loo | 46077 |
| Mom | 46077 |
| Nag | 46073 |
| Nun | 46073 |
| Nik | 46077 |
| Oaf | 46073 |
| Old | 46077 |
| Par | 46073 |
| Rat | 46073 |
| Sap | 46073 |
| Ten | 47078 |
| Use | 46078 |
| Vel | 46078 |
| Was | 46078 |
| Yak | 46077 |
| Zig | 46078 |

Manuscript
T-11548

None

Manuscript
T-11549

None

Manuscript
[illegible]

None

Manuscript
T-11566

| | | |
|---|---|---|
| Awe | 54-W-2866 | |
| Cue | " | 2866 |
| Did | " | 2866 |
| Eat | " | 2866 |
| Fog | " | 2866 |
| Gar | " | 2866 |
| Hit | " | 2866 |
| Ish | " | 2872 |
| Kal | " | 2873 |
| Lak | " | 2873 |
| Moo | " | 2873 |
| Nat | " | 2873 |
| Oba | " | 2873 |
| Pas | " | 2873 |
| Ret | " | 2873 |
| Sap | " | 2873 |
| Ten | " | 2873 |
| Urn | " | 2873 |
| Vue | " | 2873 |
| Yak | " | 2874* |
| Zoo | " | 2874* |

* See side heading 15.

473 photo hydro points

TABLE OF COMPUTED [illegible]

| | FANG | GULF | HID | KAG | DAK | V-001 | NINE | ONE | G.. | V-002 | REM | ACORN | BALSA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... 1955 | 39 M 10=HI | | 421 | | | | | | | | | | |
| ... 1955 | | 55 M 56=HI ecc | 422 | | | | | | | | | | |
| ...(USE)1943 | | | 425=HI ecc | | | | | | 410 | | | | |
| ...(USE)1943 | | | | | | | | | | | | | |
| ...(USE)1943 | | | | | 319 325=HI | | | | 320 | | | | |
| ...(USE)1943) | | | | | | 12=HI | | | | | | | |
| ...(BEY | 1646 | 1647 | 1644 | | | | | | 1650 | | | | |
| ...3 | 2186 | 2186 | 2182 | | | | | | | | | | |
| ... | 1433 | 1434 | 1437 | | | | | | | | | | |
| ...(USE)1943) ...(NE) | 1925 | 1924 | 1922 | | 1909 | | | | 1925 | | | | |
| ...36 | | | | | | | | | | | | | |
| ...37 | | | | | 1827 | 1820 | | | | | | | |
| ...38 | | | | | | | | | | | | | |
| ...39(PK ... 1953) | | | | | 1792 | 1784 | | | 1781 | | | | |
| ...40(PK ... 1953) | | | | | 1772 | 1771 | | | 1772 | | | | |
| ...(BRAVE, 1953) | | | | | 1566 | 1563 | | | 1559 | | | | |
| NINE, 1945 | | | | | | | 19 M 24=HI | | | | | | |
| ...42 | | | | | | | 2107 | 2103 | | | | | |
| ...043 | | | | | | | 1869 | 1871 | | | | | |
| ...044 | | | | | | | | | | | | | |
| ...E, 1945 | | | | | | | | 18 M 23=HI | | | | | |
| ...002 | | | | | | | | | | 19 M | | | |
| REM(USN), 1934 | | | | | | | | | | | HI=166 161 | | |
| ACORN, 1955 | | | | | | | | | | | | HI=52 47 | |
| ...045 | | | | | | | | | | | | | |
| ...046 | | | | | | | | | | | | | |
| ...047 | | | | | | | | | | | | | |
| ...048 | | | | | | | | | | | | | |
| ...049 | | | | | | | | | | | | | |
| Pk A | | | | | | | | | | | 1658 | | |
| B | | | | | | | | | | | 1923 | | |
| C | | | | | | | | | | | 2436 | | |
| D | | | | | | | | | | | 2044 | | |
| E | | | | | | | | | | | 1798 | | |
| J | | | | | | | | | | | 1747 | | |
| | | | | | | | | | | | 1242 | | |
| | | | | | | | | | | | 1301 | | |
| | | | | | | | | | | | 1386 | | |

M = elevation measured by tape.
: Pk designation [illegible] observation book.

PHOTOGRAMMETRIC PLOT REPORT
Project 7-6034 (Ph-34)
Adak Island, Alaska

The final photogrammetric plot report covering T-11322, T-11323, T-11326 thru T-11328 and T-11330 thru T-11333 is included in the combined descriptive report for T-11326 thru T-11328.

Photogrammetry

MAP T-11322 PROJECT NO. Ph-34 SCALE OF MAP 1/20,000 SCALE FACTOR 1.0

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE | DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD | (BACK) | DATUM CORRECTION | N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD | (BACK) | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD | (BACK) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 51-55-39.223 | | | | 1212.3 | 642.1 | | |
| MOF (USN) 1933 | Vp 164 | 1927 | 176-48-13.040 | | | | 249.2 | 897.3 | | |
| MT. MOFFETT, | | | 51-56-17.033 | | | | 526.4 | 1328.0 | | |
| 1943 | Vp 183 | " | 176-44-22.765 | | | | 434.9 | 711.8 | | |
| | | | 51-53-29.673 | | | | 917.1 | 937.3 | | |
| TOW, 1945 | Vp 174 | " | 176-40-51.637 | | | | 987.5 | 159.9 | | |
| BURMA (USE) | | | 51-53-09.092 | | | | 281.0 | 1573.4 | | |
| 1942 | Vp 168 | " | 176-40-14.408 | | | | 275.6 | 871.9 | | |
| BURMA ~~(ECC)~~ | | | 51-53-08.624 | | | | 266.5 | 1587.9 | | |
| (USE) 1944 | Vp 168 | " | 176-40-15.333 | | | | 293.3 | 854.2 | | |
| BAS (USN) | | | 51-53-09.836 | | | | 304.0 | 1550.4 | | |
| 1933 | Vp 162 | " | 176-45-44.721 | | | | 855.3 | 292.2 | | |
| | Field | | 51-58-23.111 | | | | 714.4 | 1140.1 | | |
| ACORN, 1955 | Comps. | " | 176-43-06.505 | | | | 124.2 | 1021.2 | | |
| | | | 51-58- | | | | 720.3 | 1134.2 | | |
| ACORN Sub Pt. | — | " | 176-43- | | | | 121.5 | 1024.0 | | |
| JIT (USN) | | | 51-52-34.327 | | | | 1060.9 | 793.5 | | |
| 1933 | Vp 162 | " | 176-45-27.705 | | | | 530.0 | 617.8 | | |
| | | | 51-52- | | | | 1063.8 | 790.6 | | |
| JIT Sub Pt. | — | " | 176-45- | | | | 561.7 | 586.4 | | |

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: C. O. DeMarr DATE 9 March 1955 CHECKED BY: [illegible] DATE 9 March 1955

(1 of 4 Sheets)

MAP T-11323 PROJECT NO. Ph-34 SCALE OF MAP 1/20,000 SCALE FACTOR 1.0

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR $y$-COORDINATE / LONGITUDE OR $x$-COORDINATE | DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK) | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK) | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK) |
|---|---|---|---|---|---|---|---|
| ZETO PT. BN. 1945 | V 174 | 1927 | 51-54-35.304<br>176-33-22.578 | | | 1091.1 (763.3)<br>431.6 (715.4) | |
| AL 29 (USN) 1943 | V 170 | " | 51-57-21.195<br>176-38-38.133 | | | 655.1 (1199.4)<br>728.2 (417.6) | |
| BAT 2, 1945 | V 173 | " | 51-58-30.642<br>176-37-11.565 | | | 947.1 (907.4)<br>220.8 (924.5) | |
| WEST "B" (USE) 1944 | V 170 | " | 51-52-47.044<br>176-39-18.127 | | | 1454.0 (400.4)<br>346.8 (800.9) | |
| NORTH "A" (USE) 1944 | V 170 | " | 51-52-58.948<br>176-38-44.038 | | | 1821.9 (32.5)<br>842.3 (305.3) | |
| CHURCH SPIRE (No date given) | V 193 | " | 51-53-32.60<br>176-38-21.81 | | | 1007.6 (846.8)<br>417.1 (730.3) | |
| NASHVILLE BN. 1945 | V 173 | " | 51-53-01.967<br>176-37-38.433 | | | 60.8 (1793.6)<br>735.1 (412.5) | |
| CL-4 (USN) 1943 | V 171 | " | 51-55-51.598<br>176-34-38.533 | | | 1594.7 (259.7)<br>736.3 (410.1) | |
| BEAM (USE) 1944 | V 171 | " | 51-55-06.074<br>176-33-51.646 | | | 187.7 (1666.7)<br>987.1 (159.7) | |
| RADIO MAST 1945 | V 174 | " | 51-55-11.230<br>176-33-00.394 | | | 347.1 (1507.3)<br>7.5 (1139.2) | |
| WATER TOWER 1945 | V 174 | " | 51-55-45.823<br>176-32-51.324 | | | 1416.3 (438.1)<br>980.6 (165.9) | |
| KUL (USE) 1943 | V 171 | " | 51-54-13.861<br>176-37-01.371 | | | 428.4 (1426.0)<br>26.2 (1120.9) | |

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: C. O. DeMarr DATE 7 January 1955 CHECKED BY: J. E. Hundley DATE 12 January 1955

(2 of 4 Sheets)

MAP T-11323 PROJECT NO. Ph-34 SCALE OF MAP 1/20,000 SCALE FACTOR 1.0

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR $y$-COORDINATE / LONGITUDE OR $x$-COORDINATE | DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK) | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK) | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK) |
|---|---|---|---|---|---|---|---|
| | | | 51-59-40.022 | | | 1237.0 (617.5) | |
| LORA, 1947 | V 412 | 1927 | 176-36-47.384 | | | 904.0 (240.8) | |
| | | | 51-58-30.912 | Not plotted. See | | 955.4 (899.1) | |
| RF5, 1945 | V 173 | " | 176-37-11.845 | Bat 2, 1945 | | 226.1 (919.2) | |
| CLAM (USN) | | | 51-58-32.510 | | | 1004.8 (849.7) | |
| 1934 | V 161 | " | 176-33-19.917 | | | 380.2 (765.1) | |
| NORTH (USN) | | | 51-57-25.791 | | | 797.1 (1057.4) | |
| (CL-1), 1934 | V 161 | " | 176-33-57.212 | | | 1092.5 (53.2) | |
| SOUTH (USN) | | | 51-56-17.903 | | | 553.3 (1301.1) | |
| (CL-3), 1934 | V 161 | " | 176-33-38.056 | | | 727.0 (419.3) | |
| ZETO (USN) | | | 51-54-35.331 | Not plotted. See | | 1092.0 (762.4) | |
| 1934 | V 162 | " | 176-33-22.517 | Zeto Pt Bn, 1945 | | 430.4 (716.6) | |
| HED (USN) | | | 51-55-37.416 | | | 1156.4 (698.0) | |
| 1934 | V 161 | " | 176-31-27.808 | | | 531.4 (615.2) | |
| REV (USN) | | | 51-55-33.037 | | | 1021.1 (833.3) | |
| 1933 | V 161 | " | 176-36-35.179 | | | 672.2 (474.4) | |
| LUK (USE) | | | 51-52-51.792 | | | 1600.7 (253.7) | |
| 1944 | V 168 | " | 176-37-45.592 | | | 872.1 (275.6) | |
| EAST "B" (USE) | | | 51-53-25.064 | | | 774.7 (1079.7) | |
| 1942-3 | V 168 | " | 176-37-29.203 | | | 558.5 (588.9) | |
| TRI (USN) | | | 51-55-28.820 | | | 890.7 (963.7) | |
| 1943 | V 169 | " | 176-33-43.891 | | | 838.8 (307.8 | |
| WAC (USN) | | | 51-57-04.605 | | | 142.3 (1712.2) | |
| 1943 | V 169 | " | 176-35-30.078 | | | 574.4 (571.5) | |

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: C. O. DeMarr DATE 10 January 1955 CHECKED BY: J. E. Hundley DATE 12 January 1955

(3 of 4 sheets)

Photogrammetry

MAP T-11323 PROJECT NO. Ph-34 SCALE OF MAP 1/20,000 SCALE FACTOR 1.0

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR $y$-COORDINATE / LONGITUDE OR $x$-COORDINATE | DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD | (BACK) | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD | (BACK) | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD | (BACK) |
|---|---|---|---|---|---|---|---|---|---|---|
| FOLLY (USN) | | | 51-57-22.219 | | | | 686.7 | 1167.8 | | |
| 1944 | V 169 | 1927 | 176-37-08.760 | | | | 167.3 | 978.5 | | |
| DREW (USE) | | | 51-56-53.527 | | | | 1654.4 | 200.1 | | |
| 1944 | V 170 | " | 176-39-46.583 | | | | 889.7 | 256.3 | | |
| AL 11 (USN) | | | 51-55-52.828 | | | | 1632.8 | 221.6 | | |
| 1943 | V 170 | " | 176-38-35.092 | | | | 670.5 | 476.0 | | |
| RADIO (USE) | | | 51-54-45.771 | | | | 1414.6 | 439.8 | | |
| 1942 | V 169 | " | 176-39-17.535 | | | | 335.2 | 811.7 | | |
| PAL (USN) | | | 51-54-37.676 | (Not plotted) | | | 1164.5 | 689.9 | | |
| 1943 | V 169 | " | 176-35-35.423 | (See HIE, 1945) | | | 677.1 | 469.9 | | |
| RED (USE) | | | 51-53-15.636 | | | | 483.3 | 1371.1 | | |
| 1942 | V 171 | " | 176-38-17.355 | | | | 331.9 | 815.6 | | |
| | | | 51-55-33.722 | | | | 1042.2 | 812.2 | | |
| RF4 1945 | V 173 | " | 176-36-35.695 | | | | 682.1 | 464.5 | | |
| | | | 51-54-37.629 | | | | 1163.0 | 691.4 | | |
| HIE 1945 | V 174 | " | 176-35-35.090 | | | | 670.8 | 476.2 | | |
| | | | 51-54-33.207 | (Not plotted) | | | 1026.3 | 828.1 | | |
| OIL 1944 | V 174 | " | 176-34-45.756 | | | | 874.7 | 272.3 | | |
| | | | 51-54-49.505 | | | | 1530.1 | 324.3 | | |
| MAX 1944 | V 175 | " | 176-34-59.164 | | | | 1130.8 | 16.1 | | |
| BALSA | G 11075 Field | | 51-58-53.932 | | | | 1666.9 | 187.5 | | |
| 1955 | Comp. | " | 176-37-55.110 | | | | 1051.8 | 93.3 | | |
| | G-11075 Field | | 51-59-37.424 | | | | 1156.7 | 697.8 | | |
| TANK 1955 | Comp. | " | 176-36-28.622 | | | | 546.1 | 598.7 | | |

1 FT. = .3048006 METER

COMPUTED BY: C. O. DeMarr DATE: 10 January 1955

CHECKED BY: J. E. Hundley and D. Carrier DATE: 12 January 1955 and November 1955

M-2388-12

4 of 4 sheets

Photogrammetry

MAP T-11323 PROJECT NO. 6034 SCALE OF MAP 1:20,000 SCALE FACTOR

| STATION | SOURCE OF INFORMATION (INDEX) | DATUM | LATITUDE OR $y$-COORDINATE LONGITUDE OR $x$-COORDINATE | DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD | (BACK) | DATUM CORRECTION | N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD | (BACK) | FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD | (BACK) |
|---|---|---|---|---|---|---|---|---|---|---|
| Eclipse, 1948 | | NA | 51-58 28.077 | | | - | 836.9 | 1017.5 | - | |
| 856' | V 442 | 1927 | 176-35 37.782 | | | - | 721.2 | 424.1 | - | |
| Old Radar | | | 51-59 41.124 | | | - | | | | |
| Tower, 1948 | V 412 | " | 176-36 47.779 | | | - | | | | |

1 FT = 3048006 METER

M-2388-12

Plotted
COMPUTED BY: L. Levin DATE 2-27-56 CHECKED BY: W. Heinbaugh DATE 2-27-56

31. DELINEATION:

Shoreline and foreshore areas were delineated on the map manuscript by graphic methods. Field inspection was available for both surveys. Features shown were first drawn on sections of vinylite worksheet material superimposed on the photograph having the best combination of near manuscript scale and clear image quality. Graphic methods were then used to compile and delineate the MHWL and to adjust the detail to manuscript scale.

The topography and planimetry were compiled on the Reading Nine-Lens plotter Model "A". The instrument worksheets were adjusted to the radial plot pass points and attached to the shoreline manuscript.

Some disagreement was found between the instrument compilation and graphic compilation of the shoreline due to dense shadow areas, surf action and clouds. These differences were resolved with the use of 1943 U. S. Navy single lens photography, which were relatively free of shadow, clouds and surf action. The corrected shoreline has been indicated in red on the manuscript.

The 1943 single-lens photos were also used to fill in small areas of contouring which were obscured by clouds or shadow on the nine-lens photos. This was done by using the contact prints on the Reading plotter, removing as much of the tilt as possible by rotation of the photos and correcting the scale with the Salzman Projector.

No field inspection was available for the delineation of cultural detail. The classification of the roads was accomplished by photo interpretation; i.e., roads which appeared to be paved and/or graded were shown with the double full line symbol. All others were shown with double dash line and narrow roads or paths with the trail symbol. Much of the intricate network of roads within the military base was omitted. All buildings, piers and tanks which were visible on the photos were delineated.

32. CONTROL:

Horizontal control was adequate and provided a rigid well-fixed radial plot. Refer to the photogrammetric report which includes surveys T-11322, T-11323, T-11326 thru T-11328 and T-11330 thru T-11333. This report also includes the area of Piper Cove and Cape Chisak or T-11553.

The vertical control was adequate. The majority of the models were rectified and oriented from shoreline with the peak elevations used as a check. Minor discrepancies were noted between elevations shown by the photogrammetric field party and those listed with the published G.P.s. The published elevations have been shown on the manuscript.

33. SUPPLEMENTAL DATA:

| | | |
|---|---|---|
| T-6930 | 1:20,000 | 1943 |
| T-7000 | 1:10,000 | 1945 |

These surveys were compared with T-11322 and T-11323 but no data were applied from them.

Contact prints of AAF 1/26,000, 1943 photography - Strips 6, 7, 8, 9, 7/27/43.

34. CONTOURS AND DRAINAGE:

No difficulty other than that discussed in No. 31 was encountered in delineating the contours or drainage.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline inspection was generally adequate. Occasional sections of shadowy shoreline might have been clarified during field inspection. Much of the foreshore is closed off by a foul line. Foreshore ledge is shown in only occasional areas since field inspection did not provide any limiting line. The foul line may in some instances approximate the foreshore ledge limits.

36. OFFSHORE DETAILS:

No comment.

37. LANDMARKS AND AIDS:

Form 567 has been submitted for a landmark "TOWER." This position was determined from the final plot and supersedes the preliminary plot position.

38. CONTROL FOR FUTURE SURVEYS:

Refer to side heading 49 for the list of photo-hydro stations.

There are no recoverable topographic stations on these surveys.

39. JUNCTIONS:

The adjoining sheets have not been compiled as of the date of this report.

40. HORIZONTAL AND VERTICAL ACCURACY:

Refer to photogrammetric plot report; also Side-heading 32.

46. COMPARISON WITH EXISTING MAPS:

Adak Island sheets Nos. 1, 2 and 5, C.E. 1943 1:25,000

47. COMPARISON WITH NAUTICAL CHARTS:

| | |
|---|---|
| 9141 | 1:30,000, corr. to 9/29/52 |
| 9193 | 1:120,000, corr. to 7/5/54 |

Items to be applied to Nautical Charts immediately - None
Items to be carried forward - None.

Approved:

K. N. Maki
Supervisory Photogrammetric Engineer

Submitted:

Louis Levin
Supervisory Cartographer

Form T-2

# PHOTOGRAMMETRIC OFFICE REVIEW

T- 11322, T-11323

1. Projection and grids ✓ 2. Title ✓ 3. Manuscript numbers ✓ 4. Manuscript size ✓

## CONTROL STATIONS

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

## ALONGSHORE AREAS

(Nautical Chart Data)

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

## PHYSICAL FEATURES

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

## CULTURAL FEATURES

27. Roads ✓ 28. Buildings ✓ 29. Railroads ✓ 30. Other cultural features ✓

## BOUNDARIES

31. Boundary lines ____ 32. Public land lines ____

## MISCELLANEOUS

33. Geographic names ✓ 34. Junctions ✓ 35. Legibility of the manuscript ✓ 36. Discrepancy overlay ____ 37. Descriptive Report ✓ 38. Field inspection photographs ✓ 39. Forms ✓

40. R. N. Makin — Reviewer — Supervisor, Review Section or Unit

L. Levin 12/8/55 3/27/56

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:

M-2623-12

History of Hydrographic Information for T-11322

Hydrography was added to the map manuscript in accordance with Army Map Service Technical Instruction 48 dated 5 May 1950.

Depths are in fathoms at mean lower low water datum and originate from the following sources:

Blueprints 51873, 51927, 51928, 52892, 52893 and 52894 (boat sheets of hydrographic surveys of 1954)

Hydrographic Survey H-6881, 1:40000, 1933

Nautical Charts 9121, 1947, corrected to 52-8/25 and 9193, 1953, corrected to 54-7/5

Hydrography was compiled by Lena T. Stevens on 17 February 1956 and verified by O. Svendsen on 24 February 1956.

Lena T. Stevens

Lena T. Stevens

History of Hydrographic Information for T-11323

Hydrography was added to the map manuscript in accordance with Army Map Service Technical Instructions.

Depth curves and soundings are in fathoms at mean low water and originate with the following:

| | | |
|---|---|---|
| H-7182 | 1:20,000 | 1946 |
| H-7078 | 1:10,000 | 1945 |
| H-6971 | 1:4,800 | 1944 |
| H-6916 | 1:4,800 | 1943 |
| H-6910 | 1:10,000 | 1943 |

Chart 9141, 1:30,000, 1944 revised to 1952

Hydrography was compiled by L. C. Lande, 18 September 1956, and verified by O. Svendsen.

L. C. Lande

COMMANDER

ALASKAN SEA FRONTIER

NAVY 127, BOX 14, % POSTMASTER

SEATTLE, WASHINGTON

In reply address not the signer of this letter, but the Commander, Alaskan Sea Frontier.

30

Serial: 079

3 May 1956

CONFIDENTIAL - Unclassified upon removal of encl (1)

From: Commander, Alaskan Sea Frontier
To: Director, U. S. Coast and Geodetic Survey

Subj: Topographic maps; security review of

Ref: (a) USC&GS ltr 734-cfl of 5 April 1956

Encl: (1) Maps (manuscripts) No. T-11322, T-11324 and T-11329

1. By reference (a), Commander, Alaskan Sea Frontier was requested to review the topographic maps, returned herewith as enclosure (1), to determine if classified information is contained thereon which would prohibit general distribution.

2. The maps in question have been reviewed by this Command and contain no information of a classified nature which would prohibit general distribution. It is considered that the maps as now appearing could be unclassified.

H. T. HASELTON
By direction

COPY

ENCLOSURE (2)

CONFIDENTIAL

ALTO SERVICE COPY

In reply address not the signer of this letter, but the Commander, Alaskan Sea Frontier.

HEADQUARTERS
ALASKAN SEA FRONTIER
NAVY No 127 (BOX 14) % POSTMASTER
SEATTLE WASHINGTON

REFER TO FILE
NO FP15-1/3
SERIAL 4

From: Commander, Alaskan Sea Frontier
To: U. S. Coast and Geodetic Survey

Subj: Security Review of Classified Areas; declassification of

Ref: (a) U. S. Coast Geodetic Survey ltr 734-cfl of 6 July 1956
(b) U. S. Coast Geodetic Survey ltr 734-efl of 25 July 1956

1. References (a) and (b) requested examination of three (3) manuscripts to possibly permit declassification, so that the charts might be made available for general distribution.

2. Concurrence has been received by this command from the Commanding Officer, U. S. Naval Station, Adak, Alaska, that the subject areas should be unclassified.

3. It is recommended that the entire manuscripts Nos. T-11330, T-11331, and T-11323 be unclassified.

4. In view of the foregoing, this command will retain custody of the manuscripts and, subject to concurrence of your office, will destroy same rather than dispatch the manuscripts themselves.

GEORGE B. RASER
By direction

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

# NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ STRIKE OUT ONE

Washington, D. C. 30 November, 1955

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 G. Amburn

K. N. Maki
*Chief of Party.*

| STATE / CHARTING NAME | DESCRIPTION | SIGNAL NAME | * POSITION LATITUDE * ° ′ | ″ D.M. METERS | LONGITUDE * ° ′ | ″ D.P. METERS | DATUM NA | METHOD OF LOCATION AND SURVEY No. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tower | Tower inland and on ridge | | 51 59 | 1080. (774.) | 176 36 | 370. (775.) | 1927 | Radial Plot T-11323 | 1955 | | | x | 9193 |
| | *This is a final position, determined by photogrammetric methods and supersedes any previous position submitted. | | | | | | | | | | | | |
| | Capt. Granell states there was no loran tower in this area during the 1955 survey. JMa 2-13-57 | | | | | | | | | | | | |

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 [illegible] survey sheets. Information under each column heading should be given.

M-2836-3

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

# NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED } STRIKE OUT ONE

Washington, D. C. 30 November, 1955

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 G. Amburn

K. N. Maki

*Chief of Party.*

| STATE / CHARTING NAME | DESCRIPTION | SIGNAL NAME | * POSITION LATITUDE * ° ′ | ″ D.M. METERS | LONGITUDE * ° ′ | ″ D.P. METERS | DATUM | METHOD OF LOCATION AND SURVEY NO. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tower | Tower inland and on ridge | | 51 59 | 1080. (774.) | 176 36 | 370. (775.) | NA 1927 | Radial Plot T-11323 | 1955 | | | X | 9193 |
| | *This is a final position, determined by photogrammetric methods and supersedes any previous position submitted. | | | | | | | | | | | | |

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.

M-2836-3

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

# NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Washington, D. C. 30 November, 19 55

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 C. Auburn

E. H. Thul

*Chief of Party.*

| STATE / CHARTING NAME | DESCRIPTION | SIGNAL NAME | POSITION LATITUDE * ° ′ | LATITUDE * ″ D.N. METERS | LONGITUDE * ° ′ | LONGITUDE * ″ D.P. METERS | DATUM | METHOD OF LOCATION AND SURVEY NO. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tower | Tower inland and on ridge | | 51 59 | 1030. (774.) | 176 36 | 770. (775.) | 1927 | Plot T-11323 | 1955 | | | x | 9193 |
| | *This is a final position, determined by photogrammetric methods and supersedes any previous position submitted. | | | | | | | | | | | | |

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.

M-2836-3

48. GEOGRAPHIC NAME LIST

T-11322:

Andreanof Islands
Adak Island
Mt Moffett
Andrew Bay
Cape Moffett
Cape Kiguga
Shagak Bay
Alaska
Aleutian Islands
North Spit

T-11323:

Kuluk Bay
Cape Adagdak
Andrew Bay
Andrew Lake
Clam Lagoon
Zeto Point
Bering Sea
Adak Island
Head Rock
Mt Adagdak
Alaska
Aleutian Islands
Kuluk Shoal
Sitkin Sound
Andreanof Islands

Names approved
5-7-56. L. Heck

49. Notes for the Hydrographer

Hydrographic signals located by radial plot and sextant cuts.

| | |
|---|---|
| ACT - | DOG - |
| UFI - | EAT - (Office Ident.) |
| BAW - | FAL - |
| CAD - (Sextant cut check) | GAM - (From sub.Sta.) |

HAG -
INK -
JIM - (Pos. Questionable)
KEL -
LIP (Sextant cuts)

Twelve photo-hydro signals for which field identification was furnished were located by radial plotting methods. The position of station LIP is to be determined from the sextant cuts due to lack of photograph coverage.

49. Notes for the Hydrographer

Hydrographic signals located by radial plot:

| | | | |
|---|---|---|---|
| Mac | | Jog | |
| Nun | | Kin | |
| Old | | Lid | |
| Pie | | Mon | |
| Rex | | Neo | |
| Set | | Odd | |
| Tit | (from sub. sta.) | Pup | |
| Ump | | Rat | |
| Vic | (office identified) | Shy | |
| Woo | | The | |
| Yon | | Use | |
| Zig | | Vet | ~~(not located - no photo coverage)~~ |
| Ade | | Wax | |
| Bed | | You | |
| Cub | | Zee | |
| Dav | | Alp | |
| Eli | | Bog | |
| Fem | | Cut | |
| Gad | | Dud | |
| Hat | | Emu | |
| Ira | (sextant cuts) position shown on map is office location) | | |

Forty photo-hydro signals for which field identification was furnished were located by radial plotting methods. Photo-hydro station "Vic" was located by office identification as was station "Ira". Sextant cuts shown on the black line impression by the field party checked the photo-plot position of the latter station. The location of station "Vet" was omitted due to lack of photograph coverage.

Review Report
Topographic Maps T-11322 and T-11323
13 April 1956

62. Comparison with Registered Topographic Surveys:

| | | |
|---|---|---|
| T-6941 | 1:40000 | 1933 |
| T-5616 | 1:10000 | 1943 |
| T-6930a | 1:20000 | 1943 |
| T-7000a | 1:10000 | 1946 |
| T-7035 | 1:10000 | 1946 |

Piling shown on T-7000a at lat. 51°53.8' was not field inspected in T-11323. Minor differences in representing alongshore areas, but T-11322 and T-11323 are sufficiently complete and detailed for nautical charting. Except as noted above, T-11322 and T-11323 are to supersede the above surveys for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

Adak Island (Sheets 1, 2, 4 and 5 of 10) (AMS) 1:25000 1943

Differences exist in shoreline, cultural and topographic features. There is also a difference in datum of several hundred meters (difference between Local Datum and NA 1927 Datum).

64. Comparison with Contemporary Hydrographic Surveys:

| | | |
|---|---|---|
| H-8236 | 1:20000 | 1955 (unverified) |

Slight changes in shoreline have been made to T-11322 and T-11323 since advance copies of these surveys were used in compiling H-8236. These changes are indicated on the map manuscripts in red.

65. Comparison with Nautical Charts:

| | | |
|---|---|---|
| 9141 | 1:30,000 | corrected to 52-9/29 |
| 9193 | 1:120,000 | corrected to 54-7/5 |

Charts show a landmark "SPIRE" at lat. 51°53.6' - long. 176°38.4' which is not discernible on the aerial photographs. Pending a field check, it probably should be deleted from the charts. The charts show a landmark "FLAGPOLE" at the same position as triangulation station "RADIO MAST." Because landmarks were not covered in this phase of work (see Side-heading 9 of the Field Inspection Report), Forms 567 were not submitted. Some differences exist between these charts and T-11322 and T-11323 for shoreline and interior features.

66. Adequacy of Results and Future Surveys:

The field inspection did not include an inspection of roads and buildings. (See Side-heading 31.) Not all offshore features were completely inspected and these features are subject to minor errors in office interpretation. Other than these items, no deficiencies in accuracy and adequacy were indicated.

Reviewed by:

Everett H. Ramey

Everett H. Ramey

APPROVED:

L C Lande

Chief, Review and Drafting Section
Photogrammetry Division

Max G. Ricketts

Chief, Nautical Chart Branch
Charts Division

L W Swanson

Chief, Photogrammetry Division
13 Aug. 1958

Chief, Coastal Surveys Division

# NAUTICAL CHARTS BRANCH

SURVEY NO. T 11323

## Record of Application to Charts

| DATE | CHART | CARTOGRAPHER | REMARKS |
|---|---|---|---|
| 1-13-61 | 9141 | L.V.E. | ~~Before~~ After Verification and Review |
| 11-6-62 | 9119 | WHW | ~~Before~~ After Verification and Review |
| 2/21/66 | 9193 | John P. Wein | ~~Before~~ After Verification and Review Part Applied in area of Ch. 9141 |
| 12/30/92 | 16467 | Joseph Robinson | ~~Before~~ After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |

M-2168-1

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.

# NAUTICAL CHARTS BRANCH

## SURVEY NO. T 11322

### Record of Application to Charts

| DATE | CHART | CARTOGRAPHER | REMARKS |
|---|---|---|---|
| 9-7-67 | 9121 | D.J. Ramesburg | ~~Before~~ After Verification and Review Partly Appd. |
| | | | Appd shoreline only |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |
| | | | Before After Verification and Review |

M-2168-1

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.