

9722

Diag. Cht. No. 9302.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-56 Office No. T-9722

LOCALITY

State Alaska

General locality Etolin Strait * Bering
Sea

Locality Kwigluk Island

1950

CHIEF OF PARTY

M.J. Tonkel, Chief of Field Party

E.H. Kirsch, Balto. Photo. Office

L.W. Swanson, Div. of Photo. Wash., D.C.

LIBRARY & ARCHIVES

DATE June 6, 1960

USCOMM-DC 5087

9722

DATA RECORD

T- 9722

Project No. (II): PH-56 . Quadrangle Name (IV):

Field Office (II): Alaska
Baltimore, Md.
Photogrammetric Office (III): Washington, D. C. Chief of Party: M. J. Tonkel
E. W. Kirsch
Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III): Copy filed in Division of
Photogrammetry (IV)

8 Sept. 1949 14 Dec. 1951
2 April 1951 21 Dec. 1951
21 May 1951

Method of Compilation (III): Reading nine-lens plotter

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

Scale Factor (III): 1:1

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 19 May 1959

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=

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.

W. Heinbaugh

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

DATA RECORD

Field Inspection by (II):

Date:

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

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

Projection and Grids ruled by (IV): Austin Riley

Date: 10-15-54

Projection and Grids checked by (IV): Austin Riley

Date: 10-26-54

Control plotted by (III): None

Date:

Control checked by (III): None

Date:

Radial Plot or ~~Stereoscopic~~

Date: 2-21-58

Control extension by (III): Leroy A. Senasack

Stereoscopic Instrument compilation (III):
Planimetry W. Heinbaugh

Date: Sept. 1958

Contours W. Heinbaugh

Date: Sept. 1958

Manuscript delineated by (III):

W. Heinbaugh

Date: Sept. 1958

Photogrammetric Office Review by (III):

L. Levin

Date: Sept. 1958

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

L. Levin

Date: Sept. 1958

Camera (kind or source) (III):

Number
28704-28706Date
18-13-50PHOTOGRAPHS (III)
Time
*14:55Scale
1:20,000Stage of Tide
3.2 above
MLLW

*Approximate time clock stopped

Tide (III)

diurnal

Reference Station: Kodiak
Subordinate Station: None - general area
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.3		8.5

Washington Office Review by (IV):

Date:

Final Drafting by (IV): A. Boldin

Date:

Drafting verified for reproduction by (IV):

Date:

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):

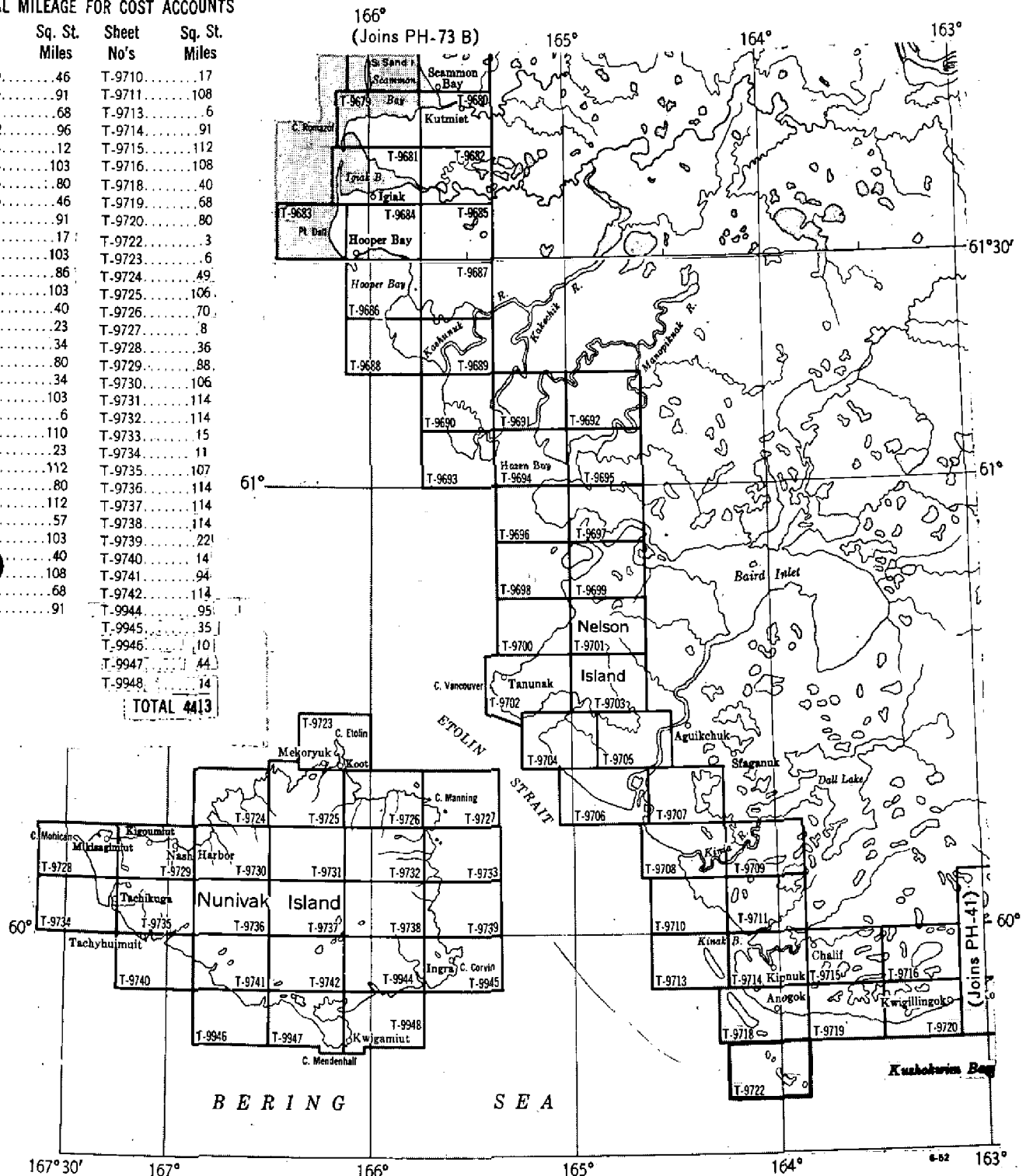
Number of Temporary Photo Hydro Stations established (III):

Remarks:

ALASKA-BERING SEA, Scammon Bay to Kuskokwim Bay and Nunivak Island

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No's	Sq. St. Miles	Sheet No's	Sq. St. Miles
T-9679	46	T-9710	17
T-9680	91	T-9711	108
T-9681	68	T-9713	6
T-9682	96	T-9714	91
T-9683	12	T-9715	112
T-9684	103	T-9716	108
T-9685	80	T-9718	40
T-9686	46	T-9719	68
T-9687	91	T-9720	80
T-9688	17	T-9722	3
T-9689	103	T-9723	6
T-9690	86	T-9724	49
T-9691	103	T-9725	106
T-9692	40	T-9726	70
T-9693	23	T-9727	8
T-9694	34	T-9728	36
T-9695	80	T-9729	88
T-9696	34	T-9730	106
T-9697	103	T-9731	114
T-9698	6	T-9732	114
T-9699	110	T-9733	15
T-9700	23	T-9734	11
T-9701	112	T-9735	107
T-9702	80	T-9736	114
T-9703	112	T-9737	114
T-9704	57	T-9738	114
T-9705	103	T-9739	221
T-9706	40	T-9740	14
T-9707	108	T-9741	94
T-9708	68	T-9742	114
T-9709	91	T-9944	95
		T-9945	35
		T-9946	10
		T-9947	44
		T-9948	14
		TOTAL	4413



Compiled at 1:20,000 scale, from 1:20,000 scale nine-lens photographs taken August 1950 and June, 1951;
additional nine-lens photography to be taken Season 1952.

(Refer to Air-Photo Indexes B-42, 50, 51, 52 and E-1).

Summary

to accompany topographic survey T-9722

This is one of sixty-six topographic surveys representing project PH-56 (24090). The project is on the Bering Sea in Alaska and extends from Scammon Bay southward to Kuskokwim Bay and covers Nunivak Island also. The specific area covered by subject survey represents a group of islands on the southern-most tip of the project, which is directly south of Cape Avinof.

These islands are rather low and in shallow water. They consist of sand and are subject to change.

Project instructions are dated from 1949. Nine-lens photography is from Aug. 1950 and there was no field inspection of this group of islands. The radial plot of subject survey and adjoining sheets was done at the Baltimore District Office in 1958 and completed at the Washington Office by stereoscopic instruments (Reading Plotter) and graphically.

A cronar film positive at the compilation scale of 1:20,000 and the Descriptive Report will be registered and filed in the Bureau Archives.

April 1959

The Field Inspection Report is filed with the
Descriptive Report for T-9679.

COMPILATION REPORT
T-9722

31. Delineation

No field inspection was available.

32. Control

See Radial Plot Report

33. Supplemental Data

No comment.

34. Contours and Drainage

Not applicable

35. Shoreline and Alongshore Details

Since no field inspection was available and since the time of photography was near mean sea level, it was necessary to revert the office interpretation in delineation of high-water line and low-water line.

36. Offshore Details

No comment.

37. Landmarks and Aids

Field party indicates no landmarks or aids.

38. Control for Future Surveys

Inapplicable

39. Junctions

Junction made with T-9718, the only adjacent contemporary survey.

40. Horizontal and Vertical Accuracy

No comment - See paragraph 35.

46. Comparison with Existing Maps

U.S.G.S. map, KUSKOKWIM BAY, ALASKA, N5900-W
16200/60 X 180, 1:250,000, 1951 Edition.

47. Comparison with Nautical Charts

Compared with Chart 9302.

Items to be applied to Nautical Charts
immediately - None

Items to be carried forward - None

48. Geographic Name List

See appended list.

Submitted by

Wallace Heinbaugh
Wallace Heinbaugh
Cartographer

Approved by

L. Levin
Supervisory Cartographer
Nine-lens Instrument Unit

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Review Report of
Topographic Survey T-9722
April 1959

62. Comparison with Registered Topographic Surveys:

There are no registered topographic surveys of this area.

63. Comparison with Maps of Other Agencies:

KUSKOKWIM BAY, ALASKA, 1:250000, Ed. of 1951, U.S. Geological Survey

Considerable difference is apparent between these two surveys. Kwigluk Island, which is the only land area on subject survey (in addition to several other small islands) is depicted quite differently on the Geological Survey topographic map. Though the edition date is of 1951, the compilation is as of 1943, and the high tide in these waters subjects the low sand islands to extensive changes.

64. Comparison with Contemporary Hydrographic Surveys:

None!

65. Comparison with Nautical Charts:

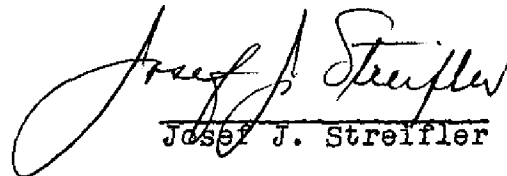
9302 1:1534 076 Revised to 9/29/58

This is the only nautical chart to cover subject area and scale difference precludes a detailed comparison.


66. Adequacy of Results and Future Surveys:


This survey complies with project instructions and no deficiencies in accuracy or adequacy are indicated.

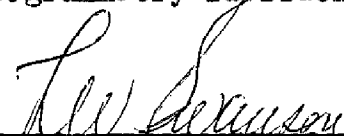
Reviewed by:



Josef J. Streifler

Approved by:


Chief, Review & Drafting Section
Photogrammetry Division


Chief, Nautical Chart Branch
Charts Division


Chief, Photogrammetry Division


Chief, Coastal Surveys Division

24 May 1966

GEOGRAPHIC NAME LIST

T-9722

BERING SEAETOLIN STRAITKWIGLUK ISLAND

Names approved 1-20-59
L. Heck