

このこの

Diag. Cht Nos. 8802, 9103, & 9302
Form 504
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT
Type of Survey Topographic
Type of Survey
Field No.Ph-8 (46) Office NoT-9232 & 9233
LOCALITY
State Alaska
General localityKuskokwim Bay
Locality Chagvan
194 8
CHIEF OF PARTY
A. Newton Stewart, Chief of Field Party
Div. of Photogrammetry, Washington, D.C.
LIBRARY & ARCHIVES
]
DATE November 22, 1955
<u> </u>

Chief, Div. of Photogrammetry

Examination of topographic manuscripts T-9232 and T-9233, Kuskokwim Bay, Alaska

Descriptive Report .- Apparently the general locality on the cover should be Kuskokwim Bay and not Bristol Bay.

Page 10, paragraph 26 and Page 12, paragraph 33.- Why not put this tabulation of vertical control in the descriptive report, possibly after the radial plot section? It is vital information to the map and should be a part of the descriptive report unless it is too bulky to insert.

Page 13, paragraph 40.-There does not seem to be enough information. The radial plot report indicates a low horizontal accuracy in the southwestern part of T-9233, and it appears from casual examination of the sheet that the vertical accuracy will be lower in the southern corner of T-9233. This sort of information should be summarized.

Map T-9233.-The drafting is excellent and the compilation of supplemental contours very good.

Many of the feeder streams seem rather stiff and straight, and the contours are not turned around streams sufficiently for good appearance. This comment is made without examination of the photographs, but I think it worth calling to the attention of the compilers.

There are rather too many feeder streams. This is indicated by red pencil marks on the map copy. This subject has been discussed recently and I expect has been taken care of on new drawings.

Two elevations are shown for station V-121. I realize that you did this probably to give additional information, but it will be better to select the best elevation and show only that. You are free to choose the instrument elevations in lieu of the ground elevations, if you feel sure that the former is more reliable. In this case, a note should be made on the summary of vertical control. As regards both V-121 and V-122, the question arises as to whether these are triangulation stations. Sometimes a horizontal position is computed for a future station from horizontal angles furnished with the vertical control. This is quite



all right for plotting purposes, but such stations should not be shown as a triangulation station unless the position is on record in Goodesy.

T-9232.-Two elevations are shown for each of peaks 104 and 288. This is the same situation as mentioned above.

The note "shore bluffs" is lettered in two places, but the limits are not shown. The Drafting Section cannot apply hachures without the limits. In this case, however, the 25 foot contours run so close to the shore that hachures are probably not needed.

0. S. Reading, Chief, Div. of Photogrammetry

DATA RECORD

T-9232 & 9233

Ph-SH(46) Quadrangle Name (IV): T-9232 = RED MOUNTAIN

T-9232 = SUSIE MOUNTAIN Project No. (II):

Field Office (II): Platinum, Alaska

Chief of Party: A. Newton Stewart

Badial Plot by Lester C. Lande Washington D.C. Officer In Charge: Louis J. Reed Photogrammetric Office (III):

Instructions dated (II) (III):

Copy filed in Division of Photogrammetry (IV)

21 Apr 48 = Field 4 Feb 49 = Office

Method of Compilation (III):

Reading 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): 8-17-55

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA 1927

Vertical Datum (III):

The difference between Unadjusted Detum and N.A. 1927 Detum is Let. plus/mine 16 m. and Long. phot/minus 5 m.

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.:

Plane Coordinates (IV):

State:

Zone:

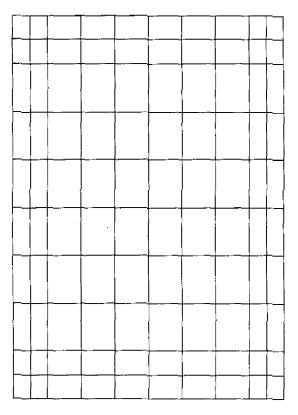
Coordinate System = none other than WAC construction Grid

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.

Form T- Page 1

M-2618-12(4)



Areas contoured by various personnel (Show name within area)

(III)

100% compiled by Clarence E. Misfeldt on the Reading Plotter, model "A".

Form T-Page 2

M·2618·12(4)

DATA RECORD

Field inspection by (II):

A. Newton Stewart

Date: 1948

Planetable contouring by (II): None

Date:

Completion Surveys by (II):

None

Date:

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

Shoreline is dated 1945 since it was field located on photos during that season, and those photos were used as a guide when the shoreline was delineated on the Reading Plotter, model "A".

Projection and Grids ruled by (IV): On the Reading Ruling machine Date: 6 Sep 49

by Theodore L. Janson

Projection and Grids checked by (IV): Howard W. Wolfe

7 Sep 49

Control plotted by (III):

Charles H. Davies

Date: 8 Nov 50

Control checked by (III):

Samuel D. Blankenbaker

Date: 9 Nov 50

Radial Plot of King of Kobie

Roscoe J. French

Date: 10 Sep 51

Control extension by (III):

delineation Stereoscopic Instrument oppostation (III):

Planimetry

Date:

and Clarence E. Misfeldt 22 Jun52 Contours

Date:

Date: 26 Sep 52 Manuscript delineated by (III): Robert L. Sugden

Photogrammetric Office Review by (III): Louis J. Reed

Date: 29 Sep 52

Elevations on Manuscript

Louis J. Reed

Date: 29

checked by (M) (III):

		PHOTOGRAPHS (III)		
Number	Date	Time	Scale	Stage of Tide
20514-5	24 Aug 47	Clock Stopped	1:20,000	
28424-5	8 Aug 50	15:09	","	
28426-7	H	15:10	101	44
2844XXX 0-1	H.	15:25	10	MSL
284 XXXX 38-9	H	15:24	H:	
28406-7	tt.	14:48	H .	
28448-9	N .	15:39	H	
28450-1	11	15:40	11	
28404-5	11	14:45	11	

* Data from Mr Disney of T&S, 25 Sep 52.

Tide (III) Diurnal Ratio of Mean | Spring Reference Station: MATARANI, Peru Ranges Range Range 2.8 Goodnews Bay Entrance, Alaska Subordinate Station: Subordinate Station:

Washington Office Review by (IV):

Drafting verified for reproduction by (IV): 7-9233 WMO. Ha

Identified: R five

Identified: None

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): T-9232 = 18 sq mi; T-923 = 91 sq mi

Shoreline (More than 200 meters to opposite shore) (III): T-9232 = 9 miles; T-9233 = none Shoreline (Less than 200 meters to opposite shore) (III): none

Recovered:

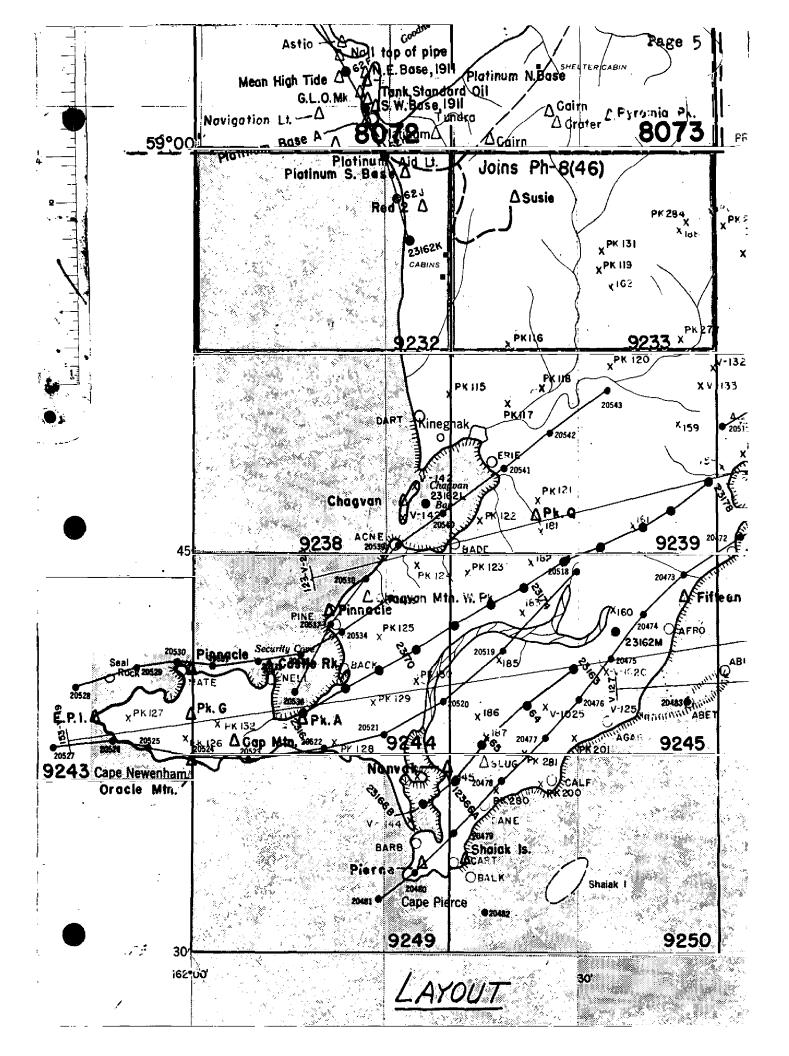
Control Leveling - Miles (II): none

Number of Triangulation Stations searched for (II):

Number of BMs searched for (II): Recovered:

Number of Recoverable Photo Stations established (III): TWO Number of Temporary Photo Hydro Stations established (III): None

Remarks:



Summary to Accompany T-9232 & T-9233

Ph-8(46) covers the north shore of Bristol Bay in Alaska and runs from the Egegik River and Kvichak Bay on the East to Cape Newenham on the West.

It is divided into three parts as follows:

Ph-8(46)A includes 23 planimetric maps in the general area of Kvichak Bay and extends from Egegik Bay to Nushagak Bay.

Ph-8(46)B is composed of two shoreline surveys on the Egegik River between Egegik Bay and Lake Becharof.

Ph-8(46) includes 45 topographic maps covering the area from Nushagak Peninsula westward to cape Newenham and north to Goodnews Bay. It includes offshore islands such as Hagemeister and the Walrus Islands.

T-9232 and T-9233 fall in the northwesterly portion of the project. T-9232 contains Salmon River and is bounded by Kuskokwim Bay to the west, T-9233 contains Kinegnak River and Shaw Creek.

Each map manuscript consists of one sheet, $7\frac{1}{2}$ minutes in latitude and 20 minutes in longitude, at a scale of 1:20,000, with a contour interval of 50 feet. A clothbacked lithographic print of each map at the compilation scale will be registered with the combined descriptive report in the Bureau Archives. These maps will not be published.

FIELD INSPECTION REPORT

2-20:

Refer to:

"Project Report, Aerial Photograph Control and Inspection, ristol Bay, Alaska", Project Ph-8B(46), May to July 1948, by A. Newton Stewart, Chief of Party.

PHOTOGRAMMETRIC PLOT REPORT:

21. Area Covered:

The topographic maps covered with this radial line plot are in the vicinity of Platinum, Alaska, between Chagvan Bay and Goodnews Bay.

T-8057 --- T-8058 --- south part T-8072 T-8073 T-9232 T-9233 T-9238 --- T-9239 --- north part

22. Method:

Radial plot:

Vinylite base grids which will subsequently serve as menuscripts were ruled with a polyconic projection and a 2500 meter UTM grid. Nine-lens, metal mounted photographs at 1:20,000 scale were used throughout. They were supplemented by eight single-lens photographs at 1:10,000 scale in the vicinity of Platinum where a small plot was laid to locate aids to navigation in that area.

Vinylite templets were used and calibration templet No. 27380 was used to adjust for transforming errors. No serious trouble was encountered and no tilts were computed for probable closer tolerances.

The area was covered with a fairly adequate density of vertical and horizontal control. Some difficulty was experienced by the triangulation field parties in properly identifying suitable substitute stations because identification was done during the 1948 field season in part on older photography. Successful attempts were made to supplement control identification with 620 snapshots taken from a small airplane at low altitudes. These proved invaluable and in only a few instances was it impossible to properly identify the stations.

Satisfactory adjustment and closure was made on all horizontal control except Baluka, 1948, Peak T, 1948, and Pyramid Peak, 1911, 1948.

All intersections were drilled with a No. 80 twist drill down through the several thicknesses of templets and the points were drafted with 4 mm. blue permanent ink circles on the reverse side of the manuscripts.

23. Adequacy of Control:

The attached index shows the density and distribution of horizontal and vertical control. Vertical control

stations V-121 and V-122 were not used in the plot as horizontal control. Their geographic positions were available from field computations, but the pricking information was not adequate enough to include them in the plot.

At least one more triangulation station could have been utilized near the junctions of T-9232, 9233, 9238, 9239, to insure the accuracy of the plot in that area where the plot joins with that of one laid on Ph-8 to the South. This is considered the weakest area in the plot since no check other than good intersections and tight azimuths could be made. An attempt was made to junction properly with the Ph-8 plot to the South in the northern parts of T-9238 and T-9239. However, it is considered that this Ph-41 plot is of higher accuracy as carried down from rigidly held control. Consequently the secondary pass points in the junction area were repricked to agree with the new plot positions and are shown on the base grid with red circles.

Disposition of horizontal control not held in plot:

Baluka, 1948

Attempts were made to identify the substitute stations submitted, but were abandoned because of poor photographic interpretation. However, a point of detail was selected and radial plotted to serve as a pass point only. It is coincidence that it falls only one mm. from the station.

Pyramid Peak, 1911, 1948

A good intersection was obtained on the highest point of Pyramid Peak which plots .8 mm. from the geographic position as computed from horizontal angles observed during two different seasons. The plot is rigid enough to consider an observation error here.

Peak T, 1948

Two sharp points on Pk. T were radially plotted and inked on the manuscript. Protracting the angles observed from Promontory, 1948 and Baluka, 1948 reveals that the lines of sight in both cases pass through these plotted positions which would seem to indicate an observing error and an erroneous position for Pk. T.

24. Supplemental data:

None

25. Photography:

The photography is excellent with few transforming irregularities indicated, and they have good contrast and a minimum of tilt. Except for a few of the higher peaks the images are good, and the photos were not difficult to prepare for radial plotting.

26. Vertical Control:

A tabulation of the elevations obtained by the phototrig process is submitted on Form 29D under separate cover and is filed under Ph-41 (49) in Photogrammetry general files.

Elevations of all triangulation stations in the area have been adjusted to MSL by Geodesy, and are shown on a sketch map of the triangulation scheme filed in Ph-41(49) general files.

A generally satisfactory set of elevations was obtained and the density is considered adequate for controlling contours the needed distance inland.

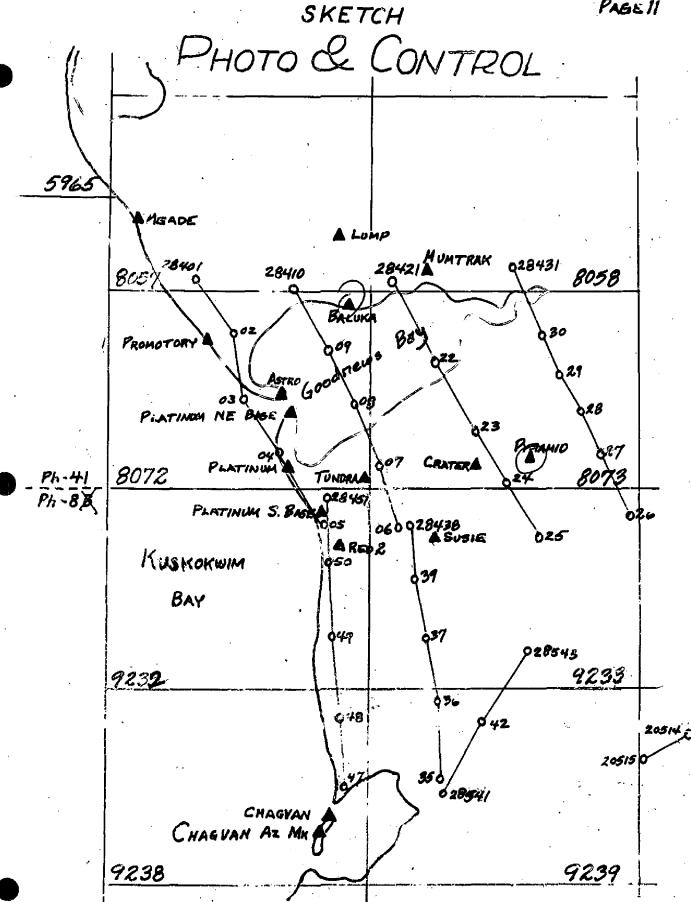
Submitted by:

Roscoe J. French September 1951

Approved by:

L. C. Lande





O . NINE LENS PHOTOS

" HOR CONTROL HELD IN PLOT

COMPILATION REPORT Stereoscopic Mapping Section Washington Office

31. Delineation:

Contours, shoreline, and all cultural features were delineated simultaneously on the Reading lotter, model "A". Photo coverage was complete on T-9232 and the quad is completely compiled, but a small area along the west edge of T-9233 is left blank because of lack of photo coverage.

32. Control:

Refer to side-headings 23 and 26 of the Radial Plot Report, Encluded herein. Vertical control for rectification and contouring purposes cosisted of datum as indicated by the shoreline, and by elevations computed for peaks after the radial. More points of elevation could have been used, especially on the western edge where instrument bridging had to be resorted to after a trial indicated it would be possible.

33. Supplemental Data:

Tabulation of elevations compiled as a part of the radial plot procedure.

Project Report, Project Ph-41(49), May to July 1949, by A. Newton Stewart, Chief of Field Party.

34. Contours and Drainage:

The photographic quality of the photographs was satisfactory for contouring purposes and no areas of questionable contours remain.

35. Shoreline and Alongshore Details:

Inspection of the shoreline on the area of T-9232 is non-existent due to a lack of photo coverage of the area at the time of the field work. However, inspection to the north and south of this sheet has been sufficient to indicate the shoreline location on this quad also. No low-water or foulareas/were apparent in the photos.

- 36. Offshore Details: Not applicable.
- 37. Landmarks and Aids: None.

38. Control for Future Surveys:

No hydro signals have been located. No topo stations were established on T-9233, but two were selected in the field on T-9232 and have been positioned by the

radial plot, as follows: (see 524 cards) SEEP, 1949 and BUMP, 1949

39. Junctions:

All junctions are in agreement; T-5072 and T-5073 are on the north edge, and T-9238 and T-9239 on the south.

- 40. Horizontal and Vertical Accuracy: Standard.
- 46. Comparison with Existing Maps:
 - a. USGS Alaska Map 50, Platinum and Vicinity, Alaska, 1:62.500. 1938 edition.
 - 1:62,500, 1938 edition.
 b. USGS Alaska Map 18, Goodnews District, Alaska, 1:250,000, 1938 edition.
- 47. Comparison with Nautical Charts:

Chart No 9103, Kuskokwim Bay, 1:200,000, published September 1916 (2nd edition), last correction 21 Apr 47.

- 48. Geographic Name Lists: See two separate pages, following.
- 49. Notes for the Hydrographer: None.
- 50. Compilation Office Review: See T-2 form, following.

Submitted by:

Orvis N. Dalbey,

Cartographer-Photogrammetric

Approved and Forwarded by:

Louis J. Reed, Chief

Stereoscopic Mapping Section
Photogrammetric Engineer

		/	/ /. /		Page 14
	GEOGRAPHIC NAMES Survey No.	25. 40 05. 40 05 05 05 05 05 05 05 05 05 05 05 05 05	S. Hodings of in	Cortago Maga	The state of the s
	T-9 232	2. 40. 0. 40. 0	J.S. Mod. Rod Rod Sign	C. C	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Name on Survey A		D E	/ F / G / H	<u> </u>
	ANITA CREEK				1
	BOULDER CREEK				2
	CLARA CREEK				3
	DOWN CREEK				4
	DRY GULCH				5
	FOX GULCH				6
	GOODNEWS MINING COMPANY	CAMP.			7
	KUSKOKWIM BAY				8
	LAST CHANCE CREEK	Gust N.	of lat 5	s ° 561)	9
	* LAST CHANCE CREEK	1 ' 1	skokwin		10
\frown	* McCANN CREEK			//	11
(_)	MEDECINE CREEK 3 No. No. No.				12
	PLATINUM CREEK			,	. 13
	QUARTZ CREEK				14
	RED MOUNTAIN				15
	SALMON RIVER			The state of the s	16
	SEATTLE CREEK			1	17
	. SMALIS CREEK				18
	SNOW GULCH				19
	SQUIRREL CREEK				20
	THORSEN MOUNTAIN				21
	TRACTOR ROAD				22
			Name	sapproved	23
			2-19-5		24
` - '					25
	`				26
			<u> </u>		27
· · · -					27

M-2623-12

PHOTOGRAMMETRIC OFFICE REVIEW

T- 9232 - 9233

CONTROL STATIONS 5. Horizontal control stations of third-order or higher accuracy 6. Recoverable horizontal stations of than third-order accuracy (topographic stations) 7. Photo hydro stations 8. Bench marks 7. Photo hydro stations 11. Detail points 7. Photo hydro stations 12. Security Paper 12. Photogrammetric plot report 11. Detail points 7. ALONGSHORE AREAS (Nautical Chart Data) 12. Shoreline 13. Low-water line 14. Rocks, shoals, etc. 15. Bridges 16. to navigation 17. Landmarks 18. Other alongshore physical features 19. Other aloshore cultural features 7. Physical Features 22. Planetable contours 23. Stereos instrument contours 24. Contours in general 25. Spot elevations 26. Other physical features 7. Cultural Features 29. Railroads 29. Railro	
than third-order accuracy (topographic stations)	
than third-order accuracy (topographic stations)	of less
9. Plotting of sextant fixes 7 10. Photogrammetric plot report 11. Detail points 7 1. Det	
12. Shoreline 13. Low-water line 14. Rocks, shoals, etc. 15. Bridges 16. to navigation 17. Landmarks 18. Other alongshore physical features 19. Other alongshore cultural features 19. Other alongshore physical features 19. Other alongshore cultural features 19. Other alongshore physical features 19. Other alongshore cultural features 20. Water features 21. Natural ground cover 22. Planetable contours 23. Stereos instrument contours 24. Contours in general 25. Spot elevations 26. Other phy features 27. Roads 28. Buildings 29. Railroads 29. Rail	,
12. Shoreline 13. Low-water line 14. Rocks, shoals, etc. 15. Bridges 16. to navigation 17. Landmarks 18. Other alongshore physical features 19. Other alongshore cultural features 19. Other alongshore physical features 19. Other alongshore cultural features 19. Other alongshore physical features 19. Other alongshore cultural features 20. Water features 21. Natural ground cover 22. Planetable contours 23. Stereos instrument contours 24. Contours in general 25. Spot elevations 26. Other phy features 27. Roads 28. Buildings 29. Railroads 29. Rail	مهد
12. Shoreline 13. Low-water line 14. Rocks, shoals, etc. 15. Bridges 16. to navigation 17. Landmarks 18. Other alongshore physical features 19. Other alongshore cultural features 19. Other alongshore physical features 19. Other alongshore cultural features 19. Other alongshore physical features 19. Other alongshore cultural features 20. Water features 21. Natural ground cover 22. Planetable contours 23. Stereos instrument contours 24. Contours in general 25. Spot elevations 26. Other phy features 27. Roads 28. Buildings 29. Railroads 29. Rail	· 2
12. Shoreline 13. Low-water line 14. Rocks, shoals, etc. 15. Bridges 16. to navigation 17. Landmarks 18. Other alongshore physical features 19. Other alongshore cultural features 19. Other alongshore cultural features 19. Other alongshore physical features 19. Other alongshore cultural features 20. Water features 21. Natural ground cover 22. Planetable contours 23. Stereos instrument contours 24. Contours in general 25. Spot elevations 26. Other phy features 27. Roads 28. Buildings 29. Railroads 29. R	
PHYSICAL FEATURES 20. Water features	
PHYSICAL FEATURES 20. Water features	long –
PHYSICAL FEATURES 20. Water features	
20. Water features	
CULTURAL FEATURES 25. Spot elevations 26. Other physical features 27. Roads 28. Buildings 29. Railroads 30. Other cultural features 27. Roads 28. Buildings 29. Railroads 30. Other cultural features 27. BOUNDARIES 31. Boundary lines 32. Public land lines 34. Junctions 35. Legibility of the manuscript 36. Discreptoverlay 37. Descriptive Report 38. Field inspection photographs 39. Forms	
CULTURAL FEATURES 25. Spot elevations 26. Other physical features 27. Roads 28. Buildings 29. Railroads 30. Other cultural features 27. Roads 28. Buildings 29. Railroads 30. Other cultural features 31. Boundary lines 32. Public land lines 34. Junctions 35. Legibility of the manuscript 36. Discreptoverlay 37. Descriptive Report 38. Field inspection photographs 39. Forms 39	scopic
CULTURAL FEATURES 27. Roads	hysical
CULTURAL FEATURES 27. Roads	-
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. Discrep overlay 37. Descriptive Report 38. Field inspection photographs 39. Forms 40. Provider Beviewer Supervisor Review Section or Unit Louis J. Reed, Chief	
BOUNDARIES 31. Boundary lines	
31. Boundary lines 32. Public land lines MISCELLANEOUS 33. Geographic names 34. Junctions 35. Legibility of the manuscript 36. Discrep overlay 37. Descriptive Report 38. Field inspection photographs 39. Forms 40	
MISCELLANEOUS 33. Geographic names 34. Junctions 35. Legibility of the manuscript 36. Discrep overlay 37. Descriptive Report 38. Field inspection photographs 89. Forms 40	
33. Geographic names34. Junctions35. Legibility of the manuscript36. Discreptive Report38. Field inspection photographs89. Forms40	
40. Supervisor Review Section or Unit Louis J. Reed, Chief	
40. Supervisor Reviel Section or Unit Louis J. Reed, Chief	pancy
Supervisor Review Section or Unit Louis J. Reed, Chief	
Louis J. Reed, Chief	
Louis J. need, Unlet	,
41. Remarks (see attached sheet) Stereoscopic Mapping Section	
Photogrammetric Engineer	
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:

Review Report T-9232 and T-9233 Topographic Maps February 19, 1953

- 62. Comparison with Registered Topographic Surveys .- None
- 63. Comparison with Maps of other Agencies. -

USGS Alaska Map 18, Goodnews District, Alaska, 1:250,000, 1938 edition.

- 64. Comparison with Contemporary Hydrographic Surveys .- None
- 65. Comparison with Nautical Charts .-

See item 47 Chart No. 9103, Kuskokwim Bay, 1:200,000, published Sept. 1916 (2nd edition), last correction 10 October

There are no significant differences between these maps and the chart.

66. Adequacy of Results and Future Surveys .-

> Further field edit is not considered necessary prior to hydrographic surveys in the area.

These maps are considered adequate as a base for hydrographic surveys and the construction of nautical charts.

Reviewed by:

APPROVED:

Chief, Review Section

Division/of/Photogrammetry

Chief, Nautical Chart Brench

Division of Charts 6/4

Photogrammetry Chief

Chief, Div. of Coastal Sur

NAUTICAL CHARTS BRANCH

SURVEY NO. T. 9232

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1958	9103	L. S. S.	Before After Verification and Review
12-24-69	9103	H. Lodde	Considered Edequate apply until reconstructed Betwee 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
	7.7		Before After Verification and Review
		,	Before After Verification and Review
			Before After Verification and Review
			· · · · · · · · · · · · · · · · · · ·
		1	M-2166-1

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. 9233

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1958	9103	L.S.S.	Before After Verification and Review
12-24-69	9103	MRadde	Betwee 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
	(
			35

M-2168-I

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.