8482

Diag. Cht. No. 8554.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline Field No. Ph=164 Office No. T=51,82
LOCALITY
State Alaska
General locality Cook Inlet
Locality Seldo v ia
194 53-56
CHIEF OF PARTY Field - G. A. Nelson Office - L. W. Swanson
LIBRARY & ARCHIVES
DATE May 1963

B-1870-1 (1)

DATA RECORD

Project No. (II):

Quadrangle Name (IV):

Field Office (II): Ship: EXPLORER

Chief of Party: G. A. Nelson

Photogrammetric Office (III): Washington, D.C.

Officer-In-Charge: L. W. Swanson

Instructions dated (II) (III): 22 August 1956

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III):

Date received in Washington Office (IV):16년

Date reported to Nautical Chart Branch (IV): 10-11-56

Applied to Chart No.

Date:

Date registered (IV): 7/25/62

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III):

NA 1927

Vertical Datum (III): MHW

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

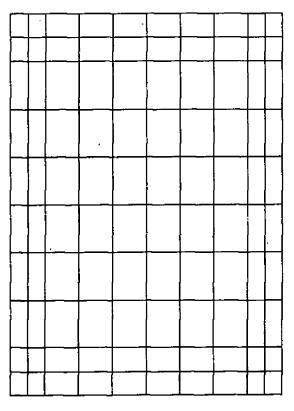
Plane Coordinates (IV): UTM

State:

Zone: 6

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.



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

Inapplicable

DATA RECORD

Field Inspection by (ii): C. W. Clark Date: May 1956 Inapplicable Planetable contouring by (ii): Date: Completion Surveys by (II): Inapplicable Date: Mean High Water Location (III) (State date and method of location): Identified in field on photographs of 1956 Projection and Grids ruled by (IV): A. Riley Date: Aug. 1956 Projection and Grids checked by (IV): A. Riley Date: Control plotted by (III): W. Taylor Date: 14 Sept. 1956 Date: 14 Sept. 1956 Control checked by (III): G. Amburn Date: 17 Sept. 1956 Radial Plot or Stereoscopic

J. Battley

Planimetry

Contours

E. Ramey

R. Sugden

Control extension by (III):

Manuscript delineated by (III):

Elevations on Manuscript

checked by (II) (III):

Stereoscopic Instrument compilation (III):

Photogrammetric Office Review by (III):

Date:

Date:

Date:

Date: 1 Oct. 1956

Date: 2 Oct. 1956

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

Difference between MHW

Tide (III)

and MLW = 17.0 Retio of Mean | Spring | Diurnal

| Ratio of | Mean | Spring | Range | R

Identified:

Reference Station: Seldovia, Kachemak Bay, Alaska

Subordinate Station: Subordinate Station:

Washington Office Review by (IV): Date:

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV):

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:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

FIELD INSPECTION REPORT

for

Maps T-8482, T-8608, T-9560 T-9566, T-9568, T-9742

2. AREAL FIELD INSPECTION.

This map covers shoreline from Seldovia Point southwestward to Point Bede including all of Seldovia Bay and Port Graham.

On the outer coast the shoreline is very rugged with generally rocky shoreline backed by steep cliffs and bluffs. From tops of cliffs the terrain rises abrubtly to higher mountain a short distance inland. There are short stretches of boulder and gravel beach along the outer coast.

Inside of bays shoreline is mostly rocky with some boulder and gravel beaches. The heads of bays are low with tide flats extending well offshore. There are cliffs and bluffs along most of the shoreline but they are generally low.

Cultural features are the town of Seldovia, the cannery and native village at Port Graham and a native village at Alexandrovak in English Bay.

There is good photo coverage of the entire area and photographs are generally good. Shadow in some areas obscures the highwater line and some off-lying detail.

Field inspection is not as complete as required for standard maps. The foreshore area was not field inspected in all areas at low tide. High-water line obscured by shadow was not clarified in detail.

3. HORIZONTAL CONTROL.

(a) The following horizontal control stations were established in 1956 by third-order triangulation:

west	GOOSE	IJCKY
EAST	BIND 2	OSAGE ·
WATCH	DOWN 2	FLAT ISLAND
BALSA	Maple	HERON
ATLAS	GRASS 2	POINT REDE
CROWN	SPIKE 2	Gray Cliff Light
POWDER	POINT 2	Seldovig Entrance Light
DIXIE	IVORY	Seldovia, church, cross
ELBOW	JEWEL	Port Graham Entirance Light
PLINT	ROUND 2	Flat Island Light Magnet Rock

The following horizontal control stations were established by fourth-order theodolite observations:

CRAB GABE DUKE

In addition to the above fourth-order stations several hydro signals located by fourth-order theodolite observations were pricked on the photographs and can be used for horizontal control if desired.

- (b) All horisontal control is computed on the N.A. 1927 datum and no datum adjustments are necessary.
- (c) All control was established by the Coast and Geodetic Survey except station SEIDOVIA 2 (USE).
- (d) In Seldovia Bay about 100 per cent more than the required number of stations were identified. Station SEIDOVIA. 1910 was not identified accurately enough for horizontal control. There was no sub-station available in the brush covered area around the station. Station CRAB was established at the base of the bluff and was identified instead of SEIDOVIA.

Between Seldovia Bay and Port Graham station DANGEROUS was identified as required.

A complete new scheme of triangulation was established in Port Graham and all recovered and established stations were identified with one exception. Station OSAFE was not identified.

South of Port Graham one new station was established and identified in the vicinity of English Bay as required. Station BEDE. 1908 was identified with some difficulty because of snow over most of the area. Bede Mtn., 1908 was not identified as required. There is some doubt as to whether it is actually on the photograph. Four new stations were established in the vicinity of Point Bede and Flat Island and three were identified.

It is considered that a sufficient number of stations was identified to control the radial plot adequately.

- (e) A thorough search was made for all described stations except PORT GRAHAM EAST BASE and at least a superficial search was made for all undescribed stations.
- 4. VERTICAL CONTROL.

Inapplicable.

5. CONTOURS AND DRAINAGE.

Inapplicable.

6. WOODLAND COVER.

Inver elevations are generally covered with a thick growth of conferous trees with some alder brush. Trees and brush can easily be distinguished on the photographs.

7. SHORELINE AND ALONGSHORE FEATURES.

- (a) Shoreline inspection extended from the east limit of Map T-8482 to Point Bede and included Flat Island which is slightly west of the project limits. All shoreline was inspected from a launch running as close inshore as was safe. The high-water line is indicated at various places on the photographs. On the south and west sides of Seldovia Bay and Port Graham some of the high-water line is in shadow and is not visible on the photographs. Some of it is not defined in detail.
- (b) The low-water line is not defined except approximately in some places. A hydrographic survey will be necessary to define these low-water line in most of the area.
 - (c) Most of the foreshore on these maps is rocky or boulders, some of it is gravel and in the heads of both bays the foreshore is mud. Different types of foreshore are indicated on the photographs.
 - (d) Bluffs and cliffs are noted along most of the shoreline. Cliffs are mostly obvious on the photographs.
 - (e) Wharves, piers and floats exist along the waterfront of Seldiovia and are indicated on the photographs. One pier exists in Port Graham.
 - (f) There are no submarine cables in the area of this project.
 - (g) Most of the shoreline buildings in Seldoviz are built on piles outside the normal high-water line.

In Port Graham southeast of the pier are several small marine railways or boat skids. These are used mostly for hauling out boats for winter storage:

8. OFFSHORE FEATURES.

There are two fish traps within the project area. The two existing traps were built during the period of field inspection at approximately the same position as previous traps visible on the photographs. These traps are temporary inasmuch as the law requires that they be removed after the fishing season. The two existing traps were not located.

There are several piles outside the high-water line near the pier in Port Graham. These are indicated on the photographs. All rocks visible at the time of field inspection were noted on the photographs or located by other means. Heights of rocks were estimated either above MHW or above the water surface at the time of field inspection. In the latter case the time and date is noted on the photographs. Some rocks uncovered only at lower stages of tide were probably missed since it was not possible to complete all shoreline inspection at low tide. Photo images that appeared to be possible rocks were checked when possible. Because of the large range of tide a hydrographic survey would probably be required to check all features.

There is a hull of a wrecked boat close to shore in the first small bay south of station CHOWNin Seldovia Bay. In the northerly part of the same bay are the ruins of an old pier. Only low broken piles remain in place.

Kelp areas are outlined approximately.

9. LANDMARKS AND AIDS.

All (four) fixed aids to navigation in the project area were located by triangulation and were reported on Form 567.

One charted fixed aid, Passage Island Spit Daybeacon, has been removed and replaced by a red mm buoy.

No landmarks are recommended for charting.

10. BOUNDARIES. MONUMENTS AND LINES.

Inamplicable.

11. OTHER CONTROL.

Recoverable topographic stations established are: CRAB. GABE. DUKE and JADE. The first three were located by fourth-order theodolite observations and were identified for horizontal control. JADE is a photo-topo station.

Hydro signals were located by third or fourth-order triangulation. There are no photo-hydro stations.

The project instructions required location of several signals on old hydrographic sheets. A discussion of each of these follows:

HAT - Could not be positively identified. Could be high pinnacle or a large boulder about 75 meters south of pinnacle. The pinnacle is pricked on photo 41115.

SON - Not identified.

KNOB - Could not be positively identified. The same as or very close to HEX.

BOX - Not identified. HEAD - Not identified. IONE - A small detached rock, the most positive identification of all old signals. Same as DMB.

GREEN - Could not be positively identified. Station is somewhere on detached rock and is probably about the same as EVA. Theodolite directions were also observed on highest point of rock.

BUSH - Same as GREEN except that it is about the same location as FOX.

GRAVE - Not identified.

POST - Not identified.

STORE - Not identified.

CHURCH - Not positively identified but assumed to be the same as Seldovia. Church. Cross, 1956.

PRIE - Fairly positive identification. Small low pinnacle at end of point. Same as GAS.

CAVE - Not identified.

WHARF - Destroyed.

END - Not identified.

NID - Not identified.

ILE - Could not be positively identified. If signal was a banner in a tree it is probably the same as PINE. If it was a whitewash signal it was probably on the point of rock 6 meters southwest of PINE.

NUT - Could not be positively identified. Appears to be on point rather than on one of two detached rocks. See photo 41127.

FUR - Not identified.

FLAG - Not identified.

· RAY - Not identified.

POX - Not identified.

KEY - Could not be positively identified. May be pinned le. See photo 41121.

PIN - Probably the same as MIP (Pinnacle) although PIN may have been a whitewash on side of pinnacle.

UNO - Could not be positively identified. May be high point at end of low rocky point at ATLAS R.M. No. 1. There is evidence of a possible old whitewash on the face of the bluff back of station ATLAS. See List of Fourth-Order Directions.

HOLE - Could not be positively identified. There is a hole in the rocky point which could have been the signal but it is not visible from the northeast. The logical place for a whitewash signal is on the sharp point of the rock cliff at BON.

SEL - Could not be identified. On the old sheets this signal is on the end of the point which indicates that either the location of the signal is incorrect or the shoreline is incorrect. Signal CAB is very close to the end of the point and is about 75 meters north of SEL.

12. OTHER INTERIOR PEATURES.

There is a small bridge over a stream at the south end of Seldovia.

There is an operational airstrip at Seldovia. Roads and other interior features were not field inspected. There are no overhead cables.

13. GEOGRAPHIC NAMES.

Only charted names are used. No new names are recommended.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA.

Data forwarded with this report are:

Field photographs.

1 volume of observations of fourth-order directions.

Lists of fourth-order directions.

Control station identification cards.

Lists of fourth-order directions.

Carbon copies of description of triangulation stations.

Computations of triangles - fourth-order stations.

Computations of fourth-order positions.

List of fourth-order positions.

Carbon copy of list of third-order positions.

Copy of Form 567. Non-floating aids to navigation.

Description of Recoverable Topographic Stations.

Photostat of USE description of SEIDOVIA 2 (USE)

Complete triangulation data will be forwarded to the Washington Office in the near future.

15. COMMENTS AND RECOMMENDATIONS.

Control requirements in Port Graham and Seldovia Bay are dissimilar and the reason therefor is not apparent. The apparent plethora of control in Port Graham is illusory since published triangulation data indicate that not more than about 10 per cent of the old stations are recoverable.

Control requirements such as these leaf to confusion and uncertainty on the part of field personnel.

It is recommended that horizontal control requirements be more general. If control is required in a particular area that should be so stated; but such requirements should be as liberal as conditions permit. Obviously existing control should be utilized to the best advantage. Often the field party is in better position to utilize existing control in accordance with general control requirements. If old stations are specified for control all published triangulation data including descriptions should be used to determine the probability of recovery of the old station. Often published data will indicate that a station is not recoverable and such stations should not be considered as existing control

stations in establishing control requirements. This condition existed on most of the old stations in Port Graham.

Respectfully submitted,

Charles W. Clark Commander, C&GS

Approved and forwarded:

George A. Nelson

Captain, C&GS

Comag. Ship EXPLORER

Ratio of Mean | Spring

Identified: 28

Identified:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III):

PHOTOGRAPHS (III)	

Number Date Time Scale Stage of Tide

Tide (III)

	Ranges	Range	Range
Reference Station:			
Subordinate Station:			
Subordinate Station:			-

Date: Washington Office Review by (IV):

Final Drafting by (IV): Date:

Drafting varified 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): None:

Number of Triangulation Stations searched for (II):

Recovered: 6 Recovered:

Number of BMs searched for (II): None

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

Horisontal control stations:	Recovered	Histablished	Identified
Third-order:	6	31	28
Fourth-order:	0	16	3

Photogrammetric Plot Report Seldovia Bay, Alaska Project 27370 17 September 1956

Area Covered:

This report discusses the radial plot for shoreline surveys T-8482 and T-9566 at a scale of 1:10,000 in the area of Seldovia Bay, Alaska.

Method:

The plot was laid directly on the map manuscripts which were ruled on mylar with polyconic projection and VTM grid. Positype nine-lens prints were used for the entire plot. Templets were constructed on vinylite applying corrections as indicated by the master templet. The plot was extended without difficulty holding to adequate, well-spaced control.

Adequacy of Control:

Control for the plot consisted of field computed positions for third- and fourth-order triangulation stations. Generally two or more substitute stations were given for each station. One station (Gray Point Lt. 1956) was rejected because identification in the office was uncertain. Substitute Station No. 2 for East 1956 did not hold whereas No. 1 did hold. The radial plot position for Substitute Station No. 2 indicated a recording error in the measured distances (field: 49 ft. - 16.1 meters should be 161 ft. - 49 meters). Except for this all control used was held and was adequate for shoreline delineation for these two surveys.

Supplemental Data: None

Photography:

The photographs were adequate as to coverage, overlap and definition. Alternate photographs were not printed for some flights which caused some difficulty in transferring photocenters. Some photographs were tilted but not badly enough to effect an appreciable displacement in radials.

Junctions:

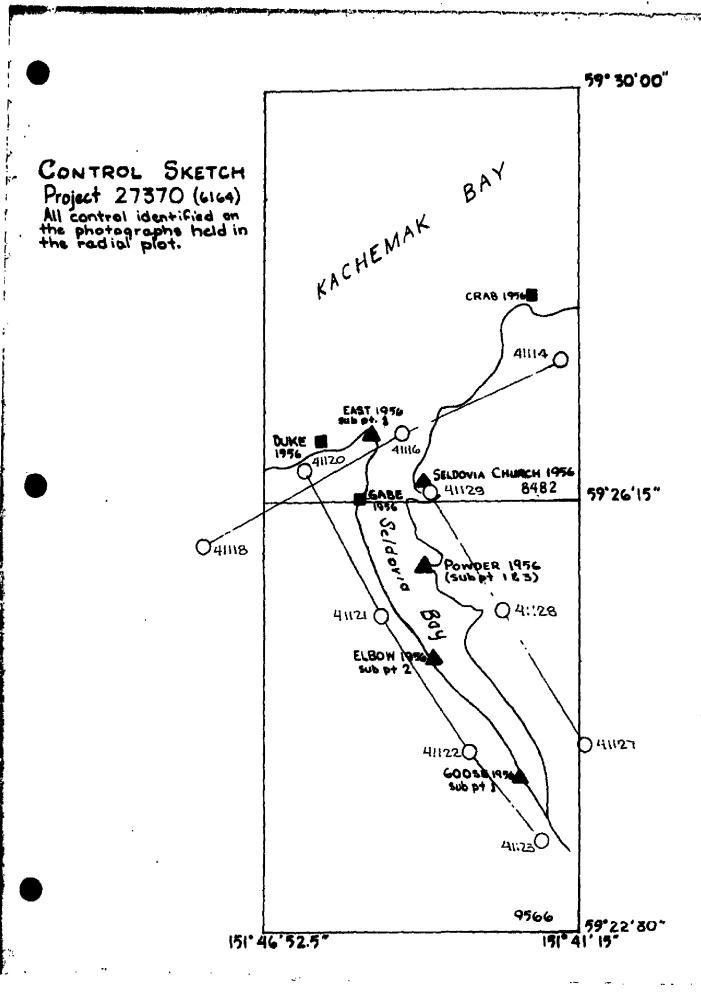
The plot was extended westward beyond the limits of these two surveys in order to effect a junction with the future plot for that area.

Sketch and Control Station List: Attached

Submitted by:

Approved:

Everett H. Ramey, Chief, Graphic Compilation Unit Ocker V. Banky Gr.



MAP T. 8482		PROJECT NO.	ST NO.	7	27370	SCALE OF MAP		1:10,000	SCALE FACTOR	JR
STATION	SOURCE OF	DATUM	LATITUE)E OR y.(LATITUDE OR V-COORDINATE	DISTANCE FRO	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	DATUM	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN WETERS	PACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
	(INDEX)					FORWARD	(BACK)		FORWARD (BACK)	_
א אסר שפאפ	Field	NA	59	27	05.545	171.6	(1685.2)			
77.	Comp.	1927	151	171	थी. 601	387.6	(557.7)			
C LO L 4 THIO CTTO	124 1		59	28	12,905	ት 66€	(4.7241)			
SELDOVIA, 1910			151	1,2	08.004	126.0	(818.9)			
GRAY CLIFF	Field		59	27	06.61	306.9	(1549.8)			
LIGHT, 1956	Comp		151	43	08.189	129,0	(816.3)			
SELDOVIA CHURCH	u H		59	26	24.045	ያ ነነት	(1112.7)			
CROSS, 1956			151	12	51.303	808.6	(137.1)			
CRAB, 1956	Form		59	28		550.2	(1306.6)			
(Topo)	524		151	42		104.0	(840.8)			
DUKE, 1956			59	26		9.921	(130.2)			·
(Topo)		-	151	94		287.1	(4.859)			٠
EAST 1956			59	27		207.0	(1649.8)			
Sub.Sta.No. 1			151	#		2.505	(439.7)			
EAST 1956			59	27		157.0	(1699.8)			
Sub. Sta. No.2			151	#		7.768	(551.0)			
SELDOVIA -2	USE		59	88	13.118	4.05.9	(1450.8)			
USE, 1951			151	42	04.877	76.8	(868.1)			
BALSA, 1956	Field		59	27	09.867	305,3	(1551.4)			
	Comp.		151	£1	08.255	130.1	(815.3)			
COMPUTED BY. E. H.	H. Ramey	1	TE 12	Septe	DATE 12 September 1956		CHECKED BY, G. Amburn	mburn	DATE13 &	
		_				_			\ -	

Compilation Report Shoreline Survey T-8482

31. Delineation

Features were delineated on plastic work sheets by stereoscopic examination of nine-lens photographs aided by field inspection photographs. The work sheets were then adjusted to the scale of the map manuscripts for the compilation.

Details shown include shoreline and alongshore features and some adjacent interior features. Interior features were not field-inspected.

32. Control

See the Photogrammetric Plot Report which is filed as part of this Descriptive Report.

- 33. Supplemental Data: None
- 34. Contours and Drainage: Inapplicable.

35. Shoreline and alongshore details

The field inspection was adequate for the delineation of shoreline.

See Sub-heading 7 regarding other alongshore features. Contrary to paragraph 7(d), landmark bluffs and cliffs were not obvious on the photographs because of overhang and shadow.

36. Offshore Features

The compilation was based on field inspection notes which were incomplete (See Sub-heading 8). Some field inspection notes were ambiguous which required some office interpretation.

37. Landmarks and Aids

Two lights fall in the area of this survey. A copy of the form 567 submitted by the field party for the entire project is attached.

38. Control for Future Surveys

Two forms 524 are filed for field-located topographic stations.

39. Junctions

This survey junctions with T-9566 to the South, with T-9560 to the West. No contemporary surveys were available for junctioning to the East.

40. Horizontal and Vertical Accuracy

Except for approximated foreshore and offshore features, all areas of the survey are considered accurate. (See Photogrammetric Plot Report for more detailed discussion of accuracy.)

41. through 45.

Inapplicable

46. Comparison with Existing Maps

T-2880, 1:10,000 1906 and 1908 T-3106, 1:40,000 1910 Seldovia (B-5) Alaska (USGS), 1:63,360, 1953

T-8482 does not show rocks awash offshore from Red Bluff because they were not visible at the time of field inspection. T-8482 shows shoreline featuresin greater detail then these prior surveys. It shows less bluff symbol but it is believed that all bluffs of landwork significance are shown.

47. Comparison with Nautical Charts

8589 1:20,000 corrected to 51-6/18

The same differences under Sub-heading 46 above apply here.

Items to be applied to nautical charts immediately: None

Items to be carried forward: None

Submitted by:

Robert L. Sugden, Cartographer

Annroved:

1

Everett H. Kamey, Chief, Graphic Compilation Unit

49. Notes to the Hydrographer:

Topographic Stations:

Duke 1956

Crab 1956

Limits of foreshore, foul and kelp are approximate (Sub-headings 8 and 9, Field Inspection Report).



U.S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS CONTACT FOR CHARTS

TO BE CHARTED STRIKE OUT ONE

. . .

Aleka Aleka

15 June

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks to charted on (deleted from) the charts indicated.

		3		_	POSITION			407			TH AN	
		5	3	LATTITUDE *	LONG	LONGITUDE *		LOCATION	DATE PO		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
CHARTING	DESCRIPTION		•	D. M. WETERS		" D. P. METICAS	DATUM	No.	LOCATION	OCHAN	H1110	
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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloative aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not individual field survey sheets. Information under each column heading should be given. 48. Geographic Names: Camel Rock

*Cook Inlet (should be added to this sheet)

*Gray Cliff

*Kachemak Bay (incorrectly applied, should be east Seldovia Point)

*Point Naskowhak

Red Bluff

Seldovia

Seldovia Bay

Seldovia Point (misspelled on this sheet)
Seldovia Slough

Watch Point

* BGN decision

REVIEW REPORT of Topographic map T- 8482 June 1962

62. Comparison with Registered Topographic Surveys

See Item 46

63. Comparison with Maps of Other Agencies

Seldovia B-5 Alaska (USGS)

1:63,360,

1953

Because of the scale difference only a visual comparison can be made. T-8482 is more complete and supersedes the above survey for common area.

64. Comparison with Contemporary Hydrographic Surveys

H-8285. 1956. 1:10,000 (Wire Drag)

The shoreline from T-8482 was applied prior to the hydrographic survey and are in agreement.

65. Comparison with Nautical Charts

8589

1:20.000

Corrected to June 1951

See Item 46

66. Adequacy of Results and Future Surveys

Shoreline inspection is not complete in all areas. inshore inspection may have resulted in minor errors in office interpretation. Other than this, no dificiencies in accuracy were indicated.

Approved by:

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

T-8482 FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
8589	7/18/63	DEW	Full Part Before After Verification Review Inspection Signed Via
	1 1		Drawing No.
8589	12-3-70	E. Frey	Full Part Before After Verification Review Inspection Signed Via
			Drawing No. 9 No corrections, Considered fully appear
			Partly superseded by 1969 Color Photography
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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			Drawing No.
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			Eull Don Defens Afres Verification Device I visualization of the Company
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Eull Post Refere After Verification Review V. C. 177
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Don Defens After Weiffer in D. T. T. C. 1911
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Drawing No.
		49	