

6430

Form 504
Ed. June, 1923
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

U. S. COAST & GEODETIC SURVEY
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APR 8 1936

State: Alaska

Acc. No.

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. H 1430

LOCALITY

Aleutian Islands

Unalaska Island

Captain's and Mateekin Bays

1935

CHIEF OF PARTY

H. B. Campbell

U. S. GOVERNMENT PRINTING OFFICE: 1930

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. H

REGISTER NO. **T6430**

State Alaska

General locality Unalaska Island

Locality Captain's and Nateekin Bays

Scale 1:20,000 Date of survey September, 1935

Vessel U.S.S. DISCOVERER

Chief of party H. B. Campbell

Surveyed by H. J. Seaborg

Inked by H. J. Seaborg

Heights in feet above M.H.W. to ground ~~to tops of trees~~

~~Contours approximately every~~ Form line interval 100 feet

Instructions dated Project HT-177, April 13, 1934

Remarks: Form lines only.

DESCRIPTIVE REPORT

to accompany

Topographic Sheet No. H.

Form Lines -- Captain's and Nateekin Bays

Unalaska Island, Alaska.

September, 1935.

Scale - 1:20,000

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

H. B. Campbell, Commanding

INSTRUCTIONS

The topography was executed in accordance with the Director's instructions, Project H.T.-177, dated April 13, 1934.

LIMITS

This sheet is a resurvey of the form lines along and at the heads of Captain's and Nateekin Bays.

JUNCTIONS

The form lines northwest of Nateekin Bay join with those of Sheet F-1935 of this same survey. A number of common points were cross verified in the field and a satisfactory connection between form lines was made. North of Pyramid Peak a connection was made with the form lines of sheet B-1934. Form lines and elevations of last season's work are shown in pencil and were checked in the field.

CONTROL

Twenty-one triangulation stations adequately control the sheet.

METHODS

As a basis for the form lines, shoreline was first transferred from sheets C, D and E, of this same survey and date by the use of proportional dividers. The resultant high water line has been shown in pencil and is not to be taken as entirely accurate. By occupying successive control points a series of cuts were taken to various peaks and prominent points. All information and field data were entered in a sketch book in chronological order along with sketches of the ridge line as seen from different positions. ~~This sketch book will be forwarded as part of the survey.~~ All points were determined by at least three cuts with good intersection. Elevations having been determined, the form lines were drawn in in the field. All form lines were verified by offshore observations.

CHARACTER OF AREA

A ridge of varying height runs down the center of the area between Nateekin and Captain's Bays falling away on the Captain's Bay side to grassy slopes and various outcropping heads of rock. (See Picture A on Page 5 of this report). Numerous drainage lines run down the slopes to the bay. In the south end of Captain's Bay on both sides numerous gulches cut sharply into the general slopes. At the head of the bay a waterfall can be seen which contributes to the flow of Shaishnikof River. (See Picture B on Page 6 of this report). South of the grassy ridge which appears back of the fall a valley falls away to the south.

Pyramid Peak is most prominent on the east shore of Captain's Bay. The area just south of this peak falls away rapidly creating a deep, grassy saddle which mounts up to a series of higher peaks further south. (See Picture C on Page 6 of this report).

The southeast shore of Nateeskin Bay is very rugged and precipitous. (See Picture D on Page 5 of this report). A deep grassy valley is at the head of Nateeskin Bay. A waterfall inshore two miles is hidden by grassy knolls in front. The northwest shore of the bay rises up in rocky bluffs leveling off at 500 feet. Beyond, a ridge comes up from ^{Makushin} Glacier Valley (Sheet F) to the high point of 2457 feet. (See Pictures E and F on Page 7 of this report).

ELEVATIONS AND FORM LINES

All elevations are referred to M.H.W. The position of all points has been indicated by a red dot and the height figures in red placed over or to one side of the dot. The form line interval is 100 feet.

COMPARISON WITH FORMER SURVEYS AND CHARTS

A comparison was made with a photostat of the survey of 1896, which embraces Captain's Bay. No heights were shown on this survey but by means of interpolation between form lines approximate heights were obtained. In general, the form lines of the two surveys agree. The following table will indicate the direct comparison of all definite points.

Station 1896	Height 1896	Height 1935	Difference 1935--1896	Location
Ridge Pt.	656	653	-3	Same
1st Peak	1935	1941	+6	Same
2nd Peak	1936 (Also Chart 9007)	2000	+64	Same
3rd Peak	1903 (Also Chart 9007)	1948	+45	Same
Pyramid Peak	2100 (Also Chart 9007)	2136	+36	1935 further to northwest
Pip	607	607	0	Same

The small lake northwest of Station KIND was sketched in. The two knolls shown on Chart 9007 south of this lake are not very prominent.

LANDMARKS

Pyramid Peak stands out as the most important landmark in this area. It can be seen and identified on entering either Nateekin or Captain's Bays. The waterfall at the head of Captain's Bay can be seen upon entering the bay and is recommended for charting purposes. In general, anyone entering these bays would be guided more by shoreline points than by peaks inshore.

GEOGRAPHIC NAMES

Names were taken up in the reports of sheets C, D, and E covering the shoreline of this area.

NOTE: Names were inked in prior to knowledge of change of practice.

STATISTICS

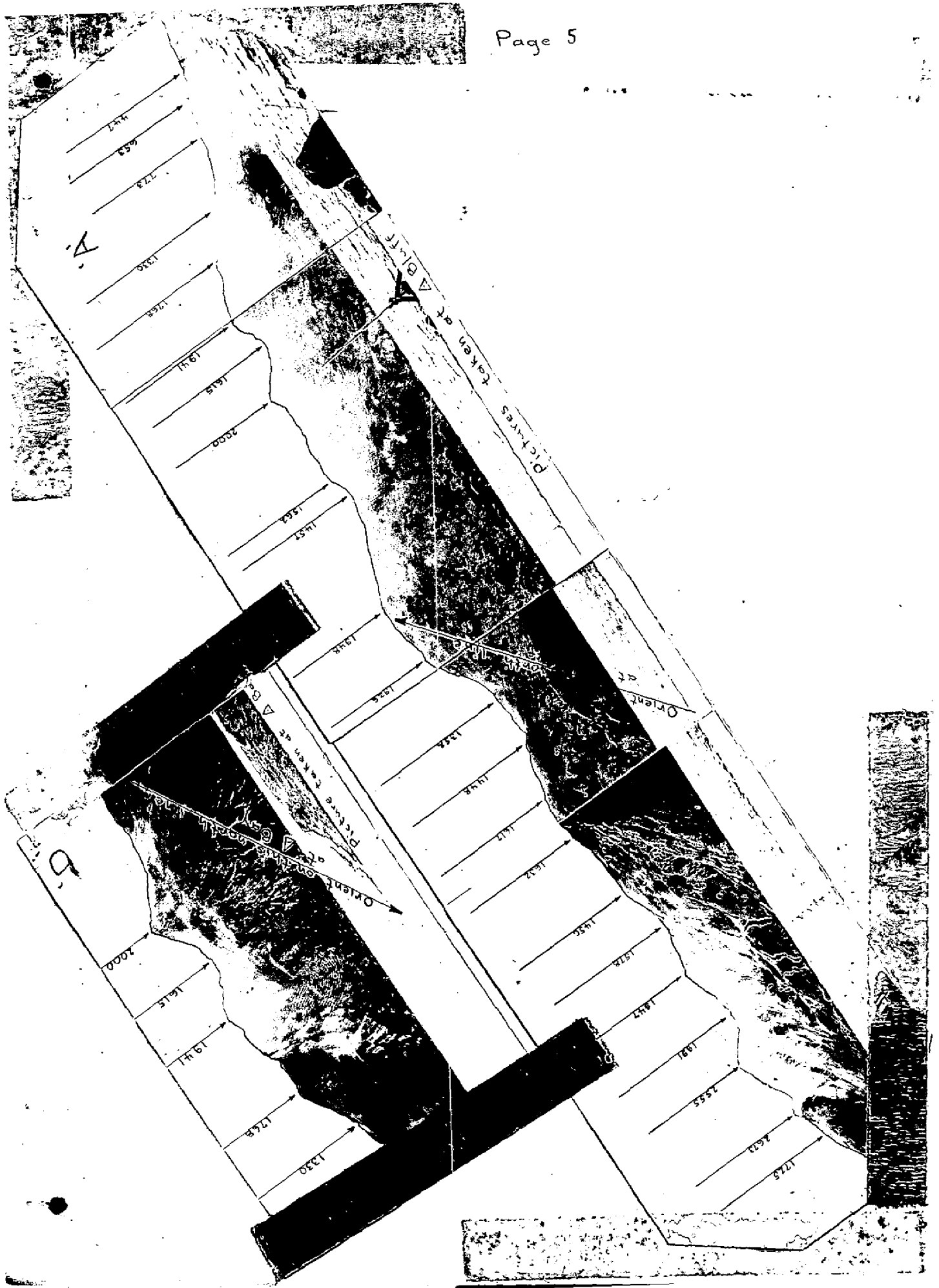
Area square statute miles 21.9
Number of recoverable positions, triangulation 21
Number of elevations determined 117

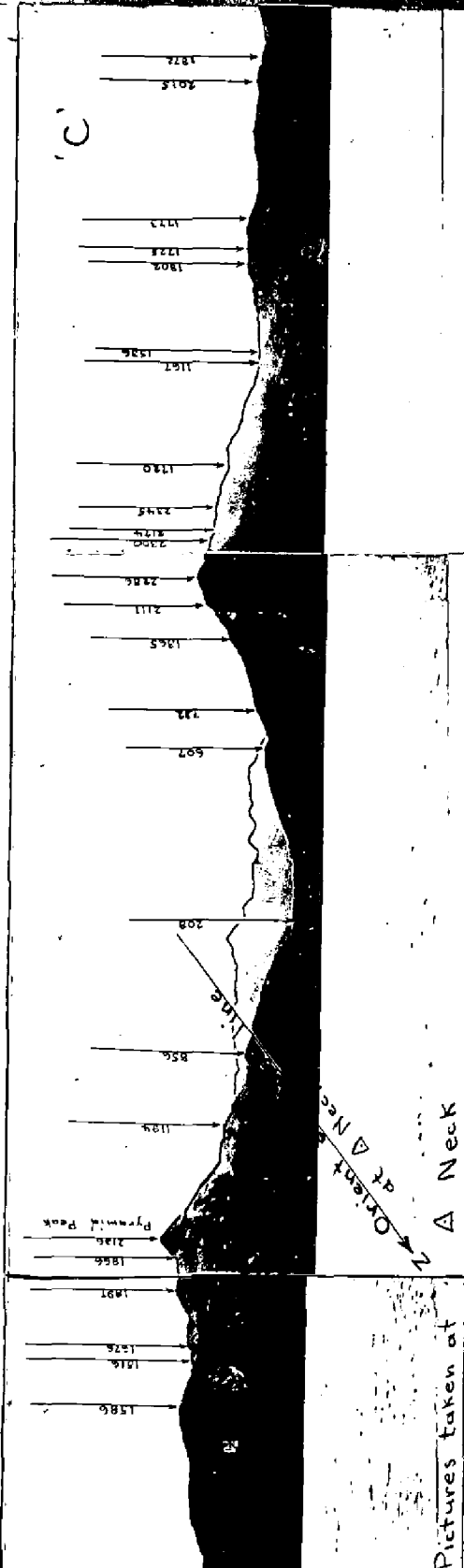
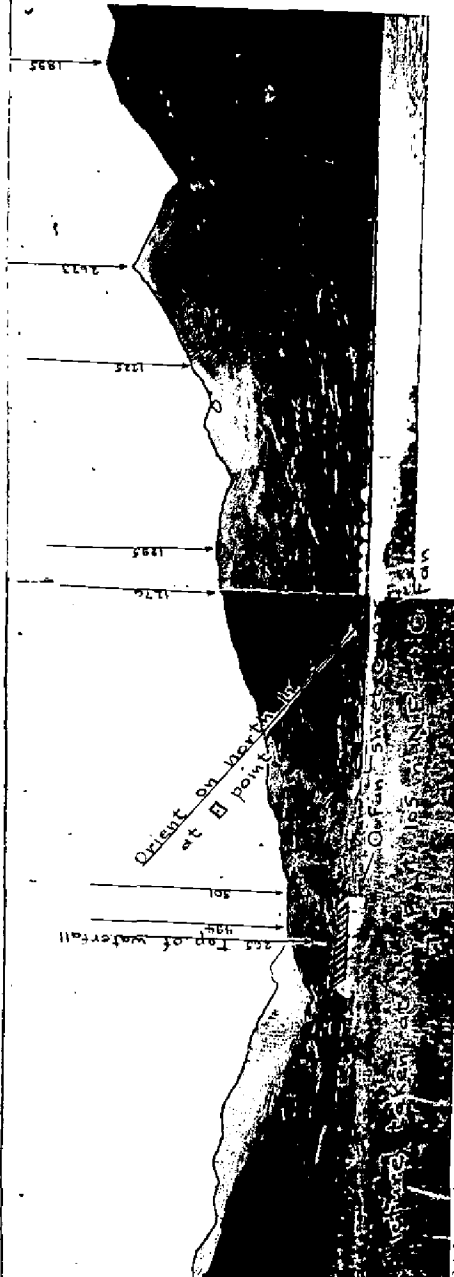
Respectfully submitted,

H. J. Seaborg
H. J. Seaborg,
Aid, Coast and Geodetic Survey.

Approved and forwarded:

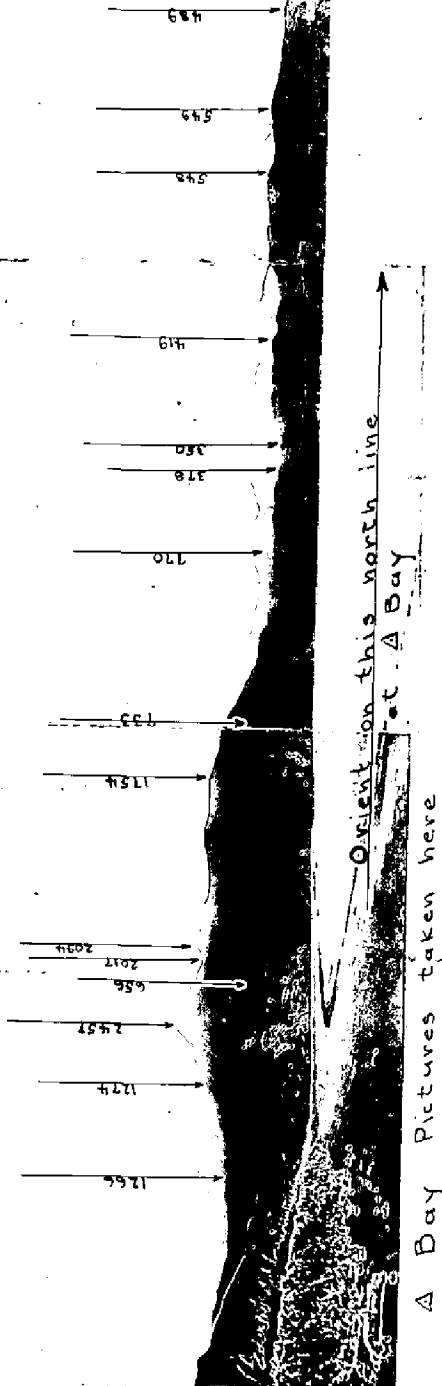
H. B. Campbell
H. B. Campbell, H. & G. E.,
Chief of Party, C. & G. S.



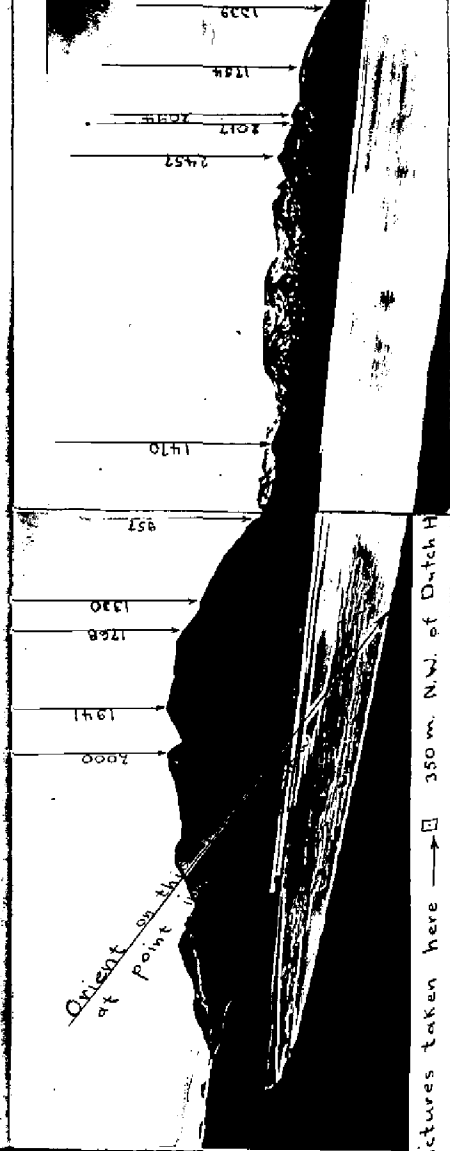


Pictures taken at

E



F



Remarks

Decisions

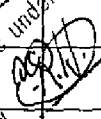
1		
2	summary of 1967 (H 49 50) has "Captains Harbor"	<u>Captains Bay</u>
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GEOGRAPHIC NAMES

Survey No. 6430

GEOGRAPHIC NAMES											
Survey No. 6430											
Name on Survey	On Chart No. 9007										
	A	B	C	D	E	F	G	H	K		
<u>Nateekin Bay</u> ✓	*							✓	✓	1	
<u>Captains Bay</u> ✓	*	-							✓	2	
<u>Unalaska Bay</u> ✓	*					✓			✓	3	
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Names underlined in red approved

by 

on 4/29/36

M 234

Names underlined in red approved
by *[Signature]* on 7/29/36

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } No. H
 PHOTOSTAT OF } No. T 6430

{ received April 9, 1936
 { registered April 14, 1936
 { verified
 { reviewed
 { approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	
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C. K. Green April 17 - '36

REVIEW OF TOPOGRAPHIC SURVEY No. 6430

Title (Par. 56) *Captains and Nootka Bays, S.W. Alaska*Chief of Party *H.B. Campbell* Surveyed by *H.J. Seaborg* Inked by *H.J. Seaborg*Ship *Discoverer* Instructions dated *April 13, 1934* Surveyed in *September, 1935*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of ~~traverses~~ were adequate. (Par. 12, 29.) ✓
4. The amount of vertical control that the Manual specifies for ~~contours-formlines~~ was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
Insufficient number of elevations taken in a few places, but satisfactory in general.
5. The delineation of ~~contours-formlines~~ is satisfactory. (Par. 49, 50.) ✓
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *Several very good pictures submitted*
7. ~~High water line on marshy and mangrove coast is clear and adequate for chart compilation.~~ (Par. 16a, 43, 44.)
8. ~~The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory.~~ (Par. 36, 37, 38, 39, 40, 41.)
9. ~~Rocks and other important details shown on previous surveys and on the chart were verified.~~ (Par. 25, 26, 27.)

See reverse side

10. ~~The span, draw and clearance of bridges are shown.~~ (Par. 16c.)
11. Locations and elevations of summits are given. (Par. 19, 51.) ✓
12. The ~~tree~~ ^{grass} line was shown on mountains. (Par. 16g.)

No trees in this area - grass line not shown
NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

Paragraph 9

T1950 (1867)

No form lines on this survey are comparable with the present survey.

T2236 (1896)

Elevations are not given on T2236. Form lines on the present survey are sketched more in detail and are more dependable.

T6430 (1935) supersedes T1950 and T2236 in part.

Chart 9007

For a comparison of the present survey with Chart 9007 see the Descriptive Report page 5. The chart was, no doubt, compiled from T2236 and T1950, and lacks the detail of the present survey.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMS and DPs, 68.) *None submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *None shown*
18. The geographic datum of the sheet is *Unalaska (Unadjusted)* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate. ✓
Joins T 6428 (1935) on the N.W.
Joins T 4889 (1934) on the N.E.
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~ ✓

24. Remarks: *This survey covers the relief for T 6425, T 6426, and T 6427. It is not dependable for shore line or other detail*

Reviewed in office by *Chas. R. Bush Jr.* June 8, 1936.

Examined and approved:

B. H. Green
Chief, Section of Field Records

L. O. Lobert
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

G. H. Hude
Chief, Division of Hyd. and Top.