

6384 a-b
6385 a-b

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

DEC 26 1935

Acc. No. _____

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic } Sheet No. H, HH, J & JJ
Hydrographic }

State WASHINGTON

LOCALITY

Columbia River

Megler to Three Tree

Point

1935

CHIEF OF PARTY

Robert W. Knox

U. S. GOVERNMENT PRINTING OFFICE

6384 a-b
6385 a-b

Optical Chart 6151 + 5702 Dec 1926 P.B.
T.6385a and b applied to chart 6152 Jan. 1937 2.M.A.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

DEC 12 1935

Acc. No.

REG. NO.

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

Field Letter HREGISTER NO. **T6384 a**State WashingtonGeneral locality Columbia RiverLocality Megler to Grays PointScale 1:10,000 Date of survey April, 1935, 19

Vessel

Chief of Party Robert W. KnoxSurveyed by R. S. ThompsonInked by R. W. K.Heights in feet above MSL to ground to tops of trees

Contour Approximate contour Form line interval _____ feet

Instructions dated February 15, 1935, 19

Remarks:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYU. S. COAST & GEODETIC SURV
LIBRARY AND ARCHIVES

DEC 28 1935

REG. NO.

TOPOGRAPHIC TITLE SHEET

Acc. No. _____

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

Field Letter HHREGISTER NO. **T6384 b**State WashingtonGeneral locality Columbia RiverLocality Grays Point to Harrington Point²⁸Scale 1:10,000 Date of survey May, 1935, 19

Vessel _____

Chief of Party Robert W. KnoxSurveyed by R. S. ThompsonInked by R. W. KHeights in feet above MSL to ground to tops of trees

Contour Approximate contour Form line interval _____ feet

Instructions dated February 15, 1935, 19

Remarks: _____

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 Letter J T6385a

REGISTER NO.

State WashingtonGeneral locality Columbia RiverLocality Harrington Point to Pillar RockScale 1:10,000 Date of survey June, 1935, 19

Vessel _____

Chief of Party Robert W. KnoxSurveyed by R. S. ThompsonInked by R W KHeights in feet above MSL to ground to tops of trees

Contour Approximate contour Form line interval _____ feet

Instructions dated February 15, 1935, 19

Remarks: _____

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 Letter JJ T6385 b

REGISTER NO.

State Washington
General locality Columbia River
Locality Jim Crow Pt. Pillar Reek to Three Tree Point
Scale 1:10,000 Date of survey June, 1935, 19
Vessel _____
Chief of Party Robert W. Knox
Surveyed by R. S. Thompson
Inked by R W K
Heights in feet above MSL to ground to tops of trees
Contour Approximate contour Form line interval _____ feet
Instructions dated February 15, 1935, 19
Remarks: _____

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEETS

NOS. H, HH, J AND JJ

Scale 1:10,000

COLUMBIA RIVER

WASHINGTON

MEGLER TO THREE TREE PT.

Instructions dated Feb. 15, 1935

Surveyed by R. S. Thompson.

GENERAL DESCRIPTION: The four topographic sheets, H, HH, J and JJ, are a survey of the Washington side of the Columbia River from the town of Megler to Three Tree Point, a distance of about 20 statute miles. The hills, or mountains, on this side of the river are approximately of the same elevation, in the order of a thousand feet, and for the most part break sharply to the river's edge. They are covered with a dense growth of vegetation, second growth conifers, alders, vine maple, devils club and other brush.

In order to make the sheets complete, the mean lower low water line was transferred to them from the smooth hydrographic sheet and the mud flats or marshy portions or sand banks were inked with the proper symbol, the data for which was obtained from notes of the topographer, hydrographer and from bottom specimens as noted in the sounding volumes. The buoy locations were likewise obtained from the hydrographic sheets.

CONTROL: The control used for the survey of these sheets is from the triangulation scheme executed by this party during the past season. No old stations were used whose positions had not been re-determined.

SURVEY METHODS: Standard survey methods were used. Before field work was begun the instrument was adjusted, the rods were tested on a measured base and several four-meter rods were graduated so that longer half-interval sights might be taken along the traverse.

Plane table traverses were run between triangulation stations and three point fixes. Sufficient triangulation were available to obviate the necessity of long traverses. No record of closing errors could be found, but the topographer, Mr. R. S. Thompson, periodically reported to the writer that - with the exception of one traverse in the vicinity of Megler on sheet H - closures were neglectable.

The U. S. Engineers plane coordinate grid system was overlaid on the sheets as it appears that that Bureau

will make a continued use of the sheets in their periodic surveys of the channels. The position of the grid with respect to the geographic system was computed from the four corner intersections of lines of latitude and longitude in the case of each sheet and checked by at least two triangulation stations whose positions had been reduced to the plane coordinate system.

MAGNETIC MERIDIAN: The declinoire used in the determination of the magnetic meridians appearing on the sheets was standardized against compass declinometer No. 22 and found to have an error of + 53 minutes. The meridians* as they appear on the sheets should, therefore, be moved eastward that amount.

* Meridians erased
and re-inked in Office
with correction applied.

NOTES ON INDIVIDUAL SHEETS: The following part of this report covers notes on each sheet and deals with specific items that are not of a general nature. The notes on each sheet have been typed separately.

Sheet H

The previous survey in this area is covered by sheet registry No. 1139a, surveyed in 1869. A comparison of the two surveys shows but very little change in the shore line, the most pronounced being the difference in the shape of the point forming the south side of Hungry Harbor.

Geographic names are correct as they appear upon the published chart.

The state of Washington has recently outlawed fishing by means of fishtraps, and those shown on the sheet are in a more or less delapidated state of repair.

Statistics:

Statute miles of shore line = 6.7

Sheet HH

¹²⁴⁹The previous survey in this area is covered by sheet registry No. ~~1139a~~, surveyed in ~~1869~~¹⁸⁷⁰. A comparison of the two surveys shows a few minor and one rather large difference in the shore line;

a) In the vicinity of \odot Cla the present survey shows that the shore line has receded about 30 meters

b) The islet upon which Δ Isle is situated was originally shown as a point projecting into the Bay

c) Considerable difference in the delineation of the shore line from the west bank of Deep River, eastward, is noted. This difference reaches a maximum at Δ Mouth, where the discrepancy is about 120 meters.

d) The present survey shows a point immediately north of Yellow Bluff, not shown on the ~~1869~~¹⁸⁷⁰ survey.

The state of Washington has recently outlawed fishing by means of fishtraps, and those shown on this sheet are in a more or less delapidated state of repair.

Statistics:

Statute miles of shore line = 11.7

Sheet J

The previous survey in this area was covered by sheets registry numbers 1249 and 1235, surveyed in 1870. A comparison of the two surveys shows but slight differences, none of which are believed to be important. The following, however, are listed:

a) The present survey shows a point upon which o Erk is located, not previously shown.

b) At o Jo the 1935 survey show a point rounded off about 30 meters north of the 1870 survey.

c) The present survey shows the shoreline behind the Elliott Cannery to be about 20 meters south of the original survey.

The high water line^{of} the islands upon which Δ Dump and Sands, and o Drift and Wood are located was run in with sextant fixes, ~~that~~ method being deemed of sufficient accuracy for the purpose.

Geographic names are correct as they appear upon the published charts.

Statistics:

Statute miles of shore line = 9.1

Sheet JJ

The previous survey in this area was covered by sheet registry number 1235, surveyed in 1870. A comparison of the two sheets shows but slight differences along the Washington bank of the river, but great differences in the shape size and location of the several islands in the river. Important differences follow:

a) Along the Washington bank the recent survey shows the bights in the vicinity of \odot Cen and \odot Pile2 to be about 20 and 30 meters deeper, respectively.

b) The small marshy island upon which \odot Hit and \odot Miss are located now appears to be much smaller in size than originally shown and about 500 meters to the northwest.

c) The present delineation of Woody Island shows it to be of smaller area than originally shown. This is not thought to be due to differences in the interpretation of the high water line, as that line appears to be quite definite.

The island to the south of Woody Island was not completely surveyed, the topographer reporting that it was impossible for him to determine the position of the high water line. The Chief of Party afterwards made a field inspection of the area with the idea of running in the remaining shore line with sextant fixes. The ground is of such a nature that even an approximate determination of the high water line could not be made without establishing a tide staff, determining the value of mean high water thereon and carrying this value around the island with the plane table. The shore line has therefore been shown as approximate and will be re-surveyed when field work is again undertaken in the vicinity.

Geographic names are correct as they appear on the chart.

Statistics:

Statute miles of shore line = 10.9

6384
6385

Plane-table positions
Sheet H

Object or name of signal	Latitude			Longitude			Remarks
	°	'	m	°	'	m	
Megler Rear Range	46	15	308	123	51	443	
Red	46	15	826	123	50	1147	gable, small red rock house
Hun	46	15	840	123	50	1153	black tank on dock, Hungry Harbor
How	46	15	995	123	51	1144	gable small white house
Barn	46	16	407	123	49	1023	gable of barn
Ast	46	16	410	123	49	841	flagpole on grounds, Quarantine Station
Box	46	16	313	123	49	601	old tripod
Jack	46	16	461	123	48	1157	southwest corner dock Knappton
Nor	46	16	647	123	48	1051	northeast corner dock Knappton
Knappton Lt.	46	16	652	123	48	1059	
Ded	46	16	871	123	49	90	prominent dead tree
Gab	46	16	1040	123	48	1085	gable small white house
Ole	46	15	1800	123	45	995	northeast corner fish-house on piling
Rok	46	16	695	123	46	18	center, house on end of pier
Ol	46	16	773	123	45	1244	Grays Pt Light housing
Grays Pt Lt	46	16	767	123	45	1238	

scaled by RWK
ck by KMcB

Plane-table positions
Sheet HH

Object or name of signal	Latitude			Longitude			Remarks
Po	46	16	1270-	123	45	402-	white door (or doorway), center river face of dock house
Dok	46	16	1457-	123	45	235-	river gable house on pier
Fi	46	17	36-	123	45	41-	white washed dolphin
It	46	17	1004-	123	43	579-	white washed pile
Ra	46	17	1375-	123	43	463-	range board
Shed	46	18	395-	123	42	1082-	white washed shed
A	46	18	1112-	123	42	708-	cloth on piling
B	46	18	563-	123	41	373-	tripod
C	46	18	762-	123	41	57-	pile
D	46	18	558-	123	41	152-	pile
Caf	46	18	436-	123	41	226-	white washed pile
Cow	46	18	155-	123	41	381✓	top of pile
Ex	46	17	1496-	123	42	590-	pile with 2 vertical extentions
Slo	46	17	1713-	123	41	959-	top of leaning pile
Tip	46	17	1595-	123	41	1106-	top of leaning pile with flag
Sit	46	17	588-	123	42	61-	dolphin
Duo	46	17	223-	123	40	1073-	two piles together
Rik	46	17	1372-	123	40	1060-	tallest pile

scaled by RWK
ck by KMcB

6384
6385Plane-table Positions
Sheet J

Object or name of signal	Latitude			Longitude			Remarks
Ri	46	15	1830'	123	39	1137'	River gable, gray dock house
Hot	46	15	1827'	123	39	1014'	White door fishhouse on pier
Flag	46	15	1745'	123	39	321'	Altoona Cannery flagpole
Ran	46	16	63'	123	39	250'	Harrington Pt Rear Range
Tin	46	15	1732'	123	39	75'	River gable of shed
Jo	46	15	1708'	123	38	1280'	River gable white house
Taf	46	15	1678'	123	38	377'	Tide staff (USE)
Abl	46	15	1681'	123	37	990'	Porch gable white house
Lite	46	15	1149'	123	36	912'	Old light station Elliott Pt
Range board	46	15	1168'	123	36	863'	Old range board Elliott Pt
Giv	46	15	623 ⁴ '	123	40	173'	Miller Sands Channel "1"
Lou	46	15	621'	123	39	535'	Miller Sands Channel "3"
Mill	46	15	730'	123	38	988 ⁷⁷ '	North gable Miller Sands fishhouse
Lar	46	15	129'	123	36	238'	up-ended butt of stranded tree
Drif	46	15	92'	123	35	991'	up-ended butt of stranded tree
Wood	46	15	134'	123	35	704'	Diamond shaped target on pole

Sheet JJ

Cen	46	15	1576'	123	33	725'	River gable house on pier
Pile	46	15	1716'	123	33	117'	white washed lone pile
Pile 2	46	16	120'	123	31	668'	white washed lone pile

scaled by RWK
ck by KMcB

6384
6385

Description of temporarily marked
topographic station on
sheet JJ

Station	Description	Station	Description
Woo	stake, flag	And	stake, flag
Sis	snag, gi	Tug	snag, gi
Isle	flag, stake	East	flag, stake
West	flag, stake	End	ww, stake
Tin	stump, gi	2 x 4	2x4 nailed to snag
Hit	flag, stake	Miss	flag, stake
Pug	cloth banner, stake	Five	5 foot pole
Sign	sign, stake	Que	flag

gi = marked by square piece of galvanized iron nailed to signal
stake = marked by 5 foot stake driven into ground and projecting about
two feet.


The above stations were marked to preserve their locations
until such time as the hydrography in this vicinity could be
accomplished.

Respectfully submitted:

Robert W. Knox
Robert W. Knox,
Chief of Party.

APPROVAL OF CHIEF OF PARTY.

Topographic sheets numbers H, HH, J and JJ have been inspected and approved by me. The field work was done under my occasional supervision, the office work by myself. Except as noted under sheet JJ in respect to the island south of Woody Island, no additional work is considered necessary.


Robert W. Knox,
Chief of Party.

Remarks

Decisions

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
M 234		

GEOGRAPHIC NAMES

Survey No. T6384a&b

Name on Survey	A	B	C	D	E	F	G	H	K	
<u>Washington</u> ✓							✓			1
<u>Megler</u> ✓	6151							✓	✓	2
<u>Hungry Harbor</u> ✓	6151							✓	✓	3
<u>Cliff Point</u> ✓	6151							✓	✓	4
<u>U.S. Quarantine Reservation</u> ✓	6151									5
<u>Knappton</u> ✓	6151					✓		✓	✓	6
<u>Grays Point</u> ✓	6151							✓	✓	7
<u>Columbia River</u> ✓	6151						✓	✓	✓	8
										9
<u>Deep River</u> ✓	6151							✓	dominant River	10
<u>Rocky Point</u> ✓	6151							✓	✓	11
<u>Grays River</u> ✓	6151						✓	✓	✓	12
<u>Eden</u> ✓	6151					✓	✓	✓	✓	13
<u>Yellow Bluff</u> ✓	6151							✓	✓	14
<u>Grays Bay</u> ✓	6151							✓	✓	15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved
by *C. E. G. W.* on 1-24-36

Remarks

Decisions

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
M 234		

GEOGRAPHIC NAMES

Survey No. T6385a&b

Name on Survey	<div>On Chart No.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps <i>weaving names</i></div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List <i>very satisfactory</i></div>									
	A	B	C	D	E	F	G	H	K	
<u>Washington</u> ✓	6152				✓				✓	1
<u>Harrington Point</u> ✓	6152				✓			✓	✓	2
<u>Elliott Point</u> ✓	6152				✓				✓	3
<u>Columbia River</u> ✓	6152				✓				✓	4
<u>Miller Sands</u> ✓	6152			✓	<i>This seems to be the accepted name.</i>					5
										6
<u>Jim Crow Point</u>	6152				✓				✓	7
<u>Jim Crow Creek</u>	6152								✓	8
<u>Three Tree Point</u>	6152				✓				✓	9
<u>Woody Island</u>	6152			✓						10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved by *Stegner* on 1-25-36

M 234

Names underlined in red approved

by *C. E. Meyer* on 1-25-36

MEMORANDUM

IMMEDIATE ATTENTION

~~SURVEY~~

DESCRIPTIVE REPORT

~~PHOTOSTAT OF~~~~NG#H~~No. T 6384a&b
6385a&b

received Dec. 28, 1935

registered Jan. 20, 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
20			
22			
24			
25			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	
----	--

Jan. 21, 1936.
C. K. Green

REVIEW OF TOPOGRAPHIC SURVEY No. 6384a

Title (Par. 56) *Megler to Grays Point, Washington*Chief of Party *R.W. Knox* Surveyed by *R.S. Thompson* Inked by *R.W. Knox*Ship *Field Party #9* Instructions dated *Feb 15, 1935* Surveyed in *April 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.)
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.) *None 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.) *See Page 10th for a discussion of the M.L.L.W. line.*
9. ~~Reefs 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 line was shown on mountains.~~ (Par. 16g.)

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

H250 - H273 (1851)

These two surveys are primarily hydrographic surveys. The shore line on these surveys are only comparable to the present topographic survey in a very general way. Very little detail of shore line is shown on the surveys of 1851.

T1139a (1869)

A comparison of this survey with the present survey is made on Page 3 of the Descriptive Report. In general the natural shore line is the same. There are quite a few man made changes such as docks and traps.

T6384a supersedes H250, H273 and T1139a in part.

The latest edition of Chart 5902 does not show the docks as they now exist.

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 aere-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.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Declinoire error +53' No magnetic meridian shown*
18. The geographic datum of the sheet is *N.A. 1927 (Unadjusted)* and the reference station is correctly noted. (Par. 34.)
Field Computations used
19. Junctions with contemporary surveys are adequate. —
Joins T 64836 (1935) on the West and T 63846 (1935) on the East.
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:

Reviewed in office by *Chas. R. Bush Jr.* June 22, 1936.

Examined and approved:

B. H. Green
Chief, Section of Field Records

L. O. Pollock
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

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

REVIEW OF TOPOGRAPHIC SURVEY No. 6384b

Title (Par. 56) *Grays Point to Harrington Point, Washington*Chief of Party *R.W. Knox* Surveyed by *R.S. Thompson* Inked by *R.W. Knox*Ship *Field Party #9* Instructions dated *Feb. 15, 1935* Surveyed in *May 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.)~~
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.) *None 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.) *See page 1 of the Descriptive Report for a discussion of the L.W. line*
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 line was shown on mountains. (Par. 16g.)~~

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

T1249 (1870)

A comparison of this survey with the present survey is adequate as shown on Page 4 of the Descriptive Report, the major differences being discussed there. Rocks shown on T1249 around Harrington Point are either within the L.W. line on the present survey, or are disproved by the contemporary Hydrographic Survey #5927.

T6384b supersedes T1249 in part.

Discrepancies on Chart 5902, as compared with the present survey, are as stated under T1249 as near as can be compared with such a difference in scale between the chart and 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.) *None submitted*
17. The magnetic meridian was shown ✓ and declination was checked. ✓ (Par. 17, 52.) *Declinatoire error +53' ** ** Meridian on sheet corrected for declinatoire error.*
18. The geographic datum of the sheet is *N.A. 1927 (Unadjusted)* and the reference station is correctly noted. (Par. 34.) *Values from Field Computations Used* *Mar. 2, 1938. G.R.*
19. Junctions with contemporary surveys are adequate. ✓
Join T6384a (1935) on the West and T6385a (1935) on the East.
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. *Signals Nag, Com, Kos, Cur, Bay should be cleared by field party. These signals are in the water with no note as to their nature*
23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~ ✓

24. Remarks:

Reviewed in office by

Chas. R. Bush Jr. June 22, 1936.

Examined and approved:

E. H. Green.
Chief, Section of Field Records

Frederic L. Peacock
Chief, Section of Field Work

L. O. Zolbal.
Chief, Division of Charts

G. W. de
Chief, Division of Hyd. and Top.

REVIEW OF TOPOGRAPHIC SURVEY No. 6385a

Title (Par. 56) *Harrington Point to Pillar Rock, Washington*Chief of Party *R.W. Knox* Surveyed by *R.S. Thompson* Inked by *R.W. Knox*Ship *Field Party #9* Instructions dated *Feb. 15, 1935* Surveyed in *June, 1935*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) *Lights are not shown but are omitted in favor of triangulation symbol.* ✓
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.)
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.) *None 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.) *See Page 1 of the Descriptive Report for a discussion of the L.W. line*
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 line was shown on mountains.~~ (Par. 16g.)

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

T1249 (1870) and T1235 (1870)

A comparison of these two surveys with the present survey is made on page 5 of the descriptive report of the present survey. Rocks shown on the surveys of 1870 are within the L.W. line on the present survey. None of these rocks are shown on Chart 6152.

T6385a supersedes T1249 and T1235 in part. .

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.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Declination Error +53' No magnetic meridian shown*
18. The geographic datum of the sheet is *N.A. 1927 (Unadjusted)* and the reference station is correctly noted. (Par. 34.) ✓
Values from Field Computations Used
19. Junctions with contemporary surveys are adequate.
Joins T 63846 (1935) on the West and T 63856 (1935) on the East.
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
Joins T 6386 (1935) on the South
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. *Pillar rock is not shown on the survey. It ~~should~~ ^{will} be referred to the Field Party for information as to size and height of this rock.*
23. The Chief of Party inspected and approved the sheet and the descriptive report after review by —
24. Remarks: *OK. Only topographic signal ^{not} described. It is so close to shore that it is not recommended that it be referred to the Field Party.*

Reviewed in office by *Chas. R. Bush Jr.* June 22, 1936.

Examined and approved:

E. F. Green
Chief, Section of Field Records

Wm. L. Peacock
Chief, Section of Field Work

L. O. Zolbert
Chief, Division of Charts

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

REVIEW OF TOPOGRAPHIC SURVEY No. 63856

Title (Par. 56) *Jim Crow Pt. to Three Tree Point, Wash.*Chief of Party *R.W. Knox* Surveyed by *R.S. Thompson* Inked by *R.W. Knox*Ship *Field Party #9* Instructions dated *Feb 15, 1935* Surveyed in *June, 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.)~~
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.) *None 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.) *See page 1 of the Descriptive Report for a discussion of the L.W. line. See also Page 6 for the marsh islands comparison*
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 line was shown on mountains. (Par. 16g.)~~

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

T1235 (1870)

This survey is in good agreement along the Washington shore with the present survey. A thorough comparison of the two surveys is made on Page 6 of the Descriptive Report.

These same differences also apply to Chart 6152.

T6385 supersedes T1235 (1870) in part.

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.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Declinatoire error +53'* * *Meridian on sheet corrected for declinatoire error.*
18. The geographic datum of the sheet is *N.A. 1927 (Unadjusted)* and the reference station is correctly noted. (Par. 34.) *Values from field computations used.* *Mar. 2, 1938 GR.*
19. Junctions with contemporary surveys are adequate. *Joins T 6385a (1935) on the West.*
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) *Symbols for triangulation should not cover topographic features*
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. *Field Party should advise nature of ~~errors~~ and OAnd.*
23. The Chief of Party inspected and approved the sheet and the descriptive report after review by —
24. Remarks:

Reviewed in office by *Chas. R. Busk Jr.* June 23, 1936.

Examined and approved:

C. H. Green
Chief, Section of Field Records

L. O. Polburt.
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

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