

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAY 16 1936

Acc. No.

| Form 504<br>Rev. April 1935    |
|--------------------------------|
| DEPARTMENT OF COMMERCE         |
| U.S. COAST AND GEODETIC SURVEY |

# **DESCRIPTIVE REPORT**

Topographic | Mydrographic

Sheet No. G & GG

State WASHINGTON

LOCALITY

COLUMBIA RIVER

Megler to Wallacut River

1935

CHIEF OF PARTY

Robert W. Knox.

U. S. GOVERNMENT PRINTING OFFICE

Form 537a

# DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES

MAY 16 1936

| REG. |  |
|------|--|
| Z    |  |

# · TOPOGRAPHIC TITLE SHEET

| Acc, he |  |
|---------|--|
|---------|--|

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 <u>6</u>483 a

# REGISTER NO.

| State          | Washington                              |        |         |            |
|----------------|---|--------|---------|------------|
| General locali | ty Columbia River                       |        |         |            |
| Locality       | Chinook to Wallacut Riv                 | er     |         |            |
| Scale1:10,0    | Date of surveyJune                      |        | ,       | 19 35      |
| Vessel         | ,                                       | t      |         |            |
| Chief of Party | Robert W. Knox                          |        |         |            |
| Surveyed by    | R. A. Philleo                           |        |         |            |
| Inked by       | R.W.K                                   |        | <b></b> | ·- <b></b> |
| Heights in fee | et aboveto ground to                    | o tops | of      | trees      |
| Contour Appro  | eximate contour Form line inter         | val    | <b></b> | feet       |
| Instructions d | lated February 15, 1935                 |        | ,       | 19         |
| Remarks:       |   |        |         |            |
|                |   |        | ·       |            |
|                | 1). S. GOVERNMENT PRONTING OFFICE; 1928 |        |         |            |

Form 537a

DEPARTMENT OF COMMERCE .

U. S. COAST AND GEODETIC SURVEY

| ١, | \$, | COAST  | Ł  | GEO | BETIC | SURVEY |
|----|-----|--------|----|-----|-------|--------|
|    |     | LIBRAR | ٧, | AND | ARCHI | VES    |

MAY 16 1936

REG

Acc. 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 <u>GG</u> 6483 b

REGISTER NO.

| State                  | Washington                             |
|------------------------|--|
| General locality       | Columbia River                         |
| Locality               | Megler to Chinook                      |
| Scale 1:10,000 Da      | te of survey June , 1935               |
| Vessel                 |  |
| Chief of Party         | Robert W. Knox                         |
| Surveyed by            | R. A. Philleo                          |
| Inked by               | RWK                                    |
| Heights in feet above  | to ground to tops of trees             |
| Contour Approximate co | ntour Form line intervalfeet           |
| Instructions dated     | February 15, 1935 , 19                 |
| Remarks:               |  |
| <b>LEJERT</b>          | ,                                      |
| 1                      | 1. S. GOVERNMENT PRINTING OFFICE: 1818 |

#### DESCRIPTIVE REPORT

#### TO ACCOMPANY TOPOGRAPHIC SHEETS

"G" AND "GG"

Scale 1:10,000

COLUMBIA RIVER

WASHINGTON

MEGLER TO WALLACUT RIVER

Instructions dated Feb. 15, 1935

Surveyed by R. A. Philleo

GENERAL DESCRIPTION: The two topographic sheets, G and GG, are a survey of the Washington bank of the Columbia River and the north shore of Baker Bay from the town of Megler northwestward to the Wallacut River, a distance of about 10 statute miles. The bluffs immediately back of the river gradually give away from an elevation of about 300 feet near Point Ellice to almost flat country near the Wallacut River. They are thickly covered with second growth conifers, alders, devils club and other brush.

U. S. Highway 101 runs along or near the shore the entire length of the two sheets.

On the east, the survey joins topographic sheet H, previously submitted, and on the west, topographic sheet FF, incomplete at the present time.

CONTROL: The control used for the survey of these sheet 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 was available to obviate the necessity of long traverses. No record of closing errors could be found, but the topographer, Mr. R. A. Philleo, periodically reported to the chief of party that closures were negligible.

The U.S. Engineers plane coordinate grid system was overlaid on the sheets in full lines. It appears as if that Bureau will make 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.

The declinatoire used in the determination of Meridians eras MAGNETIC MERIDIAN: the magnetic meridians appearing on these sheets was standardized against compass declinometer No. 22 and found to have an error of about +53 minutes. The meridians as they appear on the sheets should be moved eastward that amount. The measurements, however, appear to be erratic, the scaled values (corrected) at A Fort being 25° 36', at Chinook, 23° 47', whereas the compass declinometer observations at APt. Ellice give a declination of 22° 22' and at A Trap, on Sand Island, a value of 22° 53'.

(

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

Respectfully submitted:

Robert W. Knox,

A. D. observations are nowed for this letter is 16.

#### SHEET G

COMPARISION WITH PREVIOUS SURVEYS: A comparision between the original survey of this portion of the north bank of the Columbia River, as shown on sheet registry number 1138, and the 1935 survey shows a considerable change in the shore line:

- a) Whereas the shore line for a few miles east of the limits of this sheet (shown on sheet GG) has receded in distances varying up to 300 meters, the shore line north and west of Chinook River has built out a distance of about 370 meters.
- b) Continuing westward, however, the reverse is true, the shore line having receded.
- c) In the northwest corner of the sheet, near the mouth of the Wallacut River, the two surveys agree fairly well.

GEOGRAPHIC NAMES are correct and complete as they appear upon the published chart.

LANDMARKS FOR CHARTS have previously been submitted.

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

## STATISTICS;

Statute miles of shore line = 6.0 Statute miles of roads = 2.8

#### SHEET GG

COMPARISION WITH PREVIOUS SURVEYS: The previous survey of this area is covered by topographic sheet registry number 1139a, surveyed in 1869. A comparision of the two surveys shows considerable changes in certain portions of the shore line:

- a) From the eastern edge of the sheet to Point Ellice the agreement is fair, the present high water line presenting a less broken line than the former, due, no doubt, to bulkheading and riprap.
- b) Westward from Point Ellice to Chinook Point the present sheet shows a recession of the river bank, reaching a maximum of about 200 meters near © Pond, just east of the latter point.
- c) At Chinook Point the surveys are again in agreement, although there exists a slight difference in detail at this rocky point.
- d) From Chinook Point to the western edge of the sheet the shore line has been cut back, the maximum amount being about 300 meters near O Road.

GEOGRAPHIC NAMES are correct and complete as they appear upon the published chart.

LANDMARKS FOR CHARTS have previously been submitted.

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

#### STATISTICS:

Statute miles of shoe line = 5.5 Statute miles of road = 3.9

# Plane-table Positions Sheet G

| •        | Object or<br>name of signal | . <b>"</b> I | atit |        | Ļ   | ongit |                  | Remarks                               |
|----------|-----------------------------|--------------|------|--------|-----|-------|------------------|---------------------------------------|
|          | Chin                        | 46           | 16   |        | 123 | 56    | m<br>1107/       | Cannery stack                         |
|          | Groz                        | 46           | 16   | 926 /  | 123 | 56    | 1214/            | Gable large white house               |
| <b>.</b> | Sou                         | 46           | 18   | 2167   | 123 | 57    | 1841 /           | south high pole                       |
|          | Yello                       | 46           | 18   | 480 /  | 123 | 57    | 1239 /           | Center gable of yellow house          |
| ,        | Nor                         | 46           | 18   | 408 /  | 123 | 58    | 226/             | North high pole                       |
|          | Bare                        | 46           | 18   | 694/   | 123 | 58    | 809 ′            | North gable, unpainted barn           |
|          | East                        | 46           | 18   | 1132 / | 123 | 59    | 101/             | South gable barn east of bluff        |
|          | Bluff                       | 46           | 18   | 1273 / | 123 | 59    | 362 <sup>/</sup> | West gable house on bluff             |
| -7       | Air                         | 46           | 18   | 1467   | 123 | 59    | 970 <sup>/</sup> |                                       |
|          | Sock                        | 48           | 18   | 1560 / | 184 | 00    | 226 /            | Windsock at airport                   |
|          | Door                        | 46           | 19   | 94/    | 124 | 00    | 676 /            | White door south end of large         |
|          | Pile A                      | 46           | 18   | 1413/  | 124 | ol    | 110′             | red & white barn                      |
|          | Pile B                      | 46           | 18   | 1212/  | 124 | 00    | 1227 /           |                                       |
|          | Pile C                      | 46           | 18   | 993 /  | 124 | 00    | 1103 -           |                                       |
|          | Pile D                      | 46           | 18   | 573 /  | 12나 | 01    | 80 ′             |                                       |
|          | Pile 14 USE                 | 46           | 17   | 1143 / | 124 | 00    | 293/             | white band, slant flag                |
|          | Range Pile USE              | 46           | 17   | 258 /  | 1일; | 00    | 251/             | Three white bands & flag              |
|          | Pile 12 USE                 | 46           | 17   | 404 /  | 123 | 59    | 541/             | Tall pile double white band           |
| •        | Middle Pile US              | ЕЦБ          | 16   | 1707 ′ | 123 | 59    | 385 🗸            | Tall pile with white band             |
|          | Pile 10 USE                 | 46           | 16   | 1578 / | 123 | 58    | 851 /            | White band, slant flag                |
|          | "A" Rear USE                | 46           | 16   | 884 /  | 123 | 58    | 888 /            | <u> </u>                              |
|          | Pile E                      | 46           | 16   | 1397   | 123 | 58    | 45/              | target Whitewashed band & single flag |
|          | Pile 8 USE                  | 46           | 16   | 887    | 123 | 57    | 1158 🗸           | on top<br>Two bands & White flag      |
| _        | Pile 6 USE                  | 46           | 16   | 115 /  | 123 | 57    | <b>71</b> 5 ′    | Tall pile, white band                 |
|          | Ilwaco Ch "2"               | 46           | 16   | 755 ^  | 123 | 58    | <b>87</b> 9 /    |                                       |
|          | •                           |              |      |        |     |       |                  |                                       |

scaled By RWK
ok by KMcB

# Additional signals on sheet G Not marked

Barge whitewash on barge

Planks large whitewash planks on stump

Stump large whitewash on stump

Ike cloth on pile

Bro whitewash signal

Sis whitewash signal

# Plane-table Positions Sheet GG

| ) | Object or name of signal                     | L        | atitu | nde<br>m        | Lo: | ıg <b>i</b> tı | ude<br>n     | Remarks                                     |
|---|--|----------|-------|-----------------|-----|----------------|--------------|---|
|   | Chin   | 46       | 16    | 541 /           | 123 | 56             | 1107/        | Cannery stack on pier                       |
|   | Twin   | 46       | 16    | 493/            | 123 | 56             | 1122/        | South twin gable of cannery                 |
| r | Green  | 46       | 15    | 1703/           | 123 | 56             | 138 /        | West gable largest yellow house, green roof |
|   | Bare .                                       | 46       | 15    | <b>1</b> 44.7 ✓ | 123 | 55             | 1128 ′       | West gable unpainted house                  |
|   | Shak   | 46       | 15    | 1160 -          | 123 | 55             | 908 /        | South gable shack on beach                  |
|   | Big  | 46       | 15    | 305 √           | 123 | 55             | 367/         | North gable two-story barn                  |
|   | Cable  | 46       | 15    | 167             | 123 | 55             | <b>199</b> / | Cable crossing sign                         |
|   | Pier   | 46       | 15    | 19 🗸            | 123 | <b>5</b> 5     | 342 ~        | Southerly of tso poles on pier              |
|   | Lite   | 46       | 꺼     | 1410 /          | 123 | 55             | 431 ′        | Fort Columbia Wharf F.R. Light              |
|   | D.S. Gable Mc-                               |          | 14    | 1204 /          | 123 | 54             | 605 <        | USE signal                                  |
|   | Gowan Dockhouse<br>Red                       | 9<br>46  | 14    | 1416            | 123 | 54             | 498 🗸        | Chimney, red-roofed house                   |
|   | Cut  | 46       | 14    | 1333 /          | 123 | 53             | 1155 /       | South gable light yellow house              |
|   | Two  | کیا      | ΙŅ    | 1208 /          | 123 | 53             | 918 ′        | South gable easterly of two shacks.         |
|   | Capt Robt Gray<br>Memorial Flag-             | 46       | 14    | 10世             | 123 | 53             | 147 /        | · ·   |
|   | pole<br>Ferry                                | 46       | 14    | 870 ′           | 123 | 52             | 967 /        | Old ferry sign                              |
|   | West   | 46       | 1/4   | 1514/           | 123 | 51             | 1123 /       | South gable west shack on pier              |
|   | sast   | 46       | 14    | 1562 /          | 123 | 51             | 1078 ′       | South gable east shack on pier              |
|   | Cab  | 46       | 1/4   | 1746 ′          | 123 | 51             | 神2 /         | Whitewashed door, old caboose               |
|   | Chinook Dolphi                               | n46      | 15    | 447 -           | 123 | 57             | <b>377</b> ′ |   |
|   | USE<br>Dike Dolphin<br>108-8 Washingt<br>USE | ол<br>9Н | 15    | 81111           | 123 | 56             | 667~         |   |

scaled by RWK ck by KMcB

# Additional Signals on Sheet GG Not marked

Pole White cloth on pole

Road whitewash signal

Gird whitewash on steel girder on beach

Pond whitewash signal

Dead white cloth on dead tree

Sig whitewash signal

Rock whitewashed rock

Bend whitewashed rock

# APPROVAL OF CHIEF OF PARTY

Topographic sheets G and GG have been inspected and approved by me. The field work was done under my occasional supervision and the office work by myself. No additional work is considered necessary.

Robert W. Knox, H. & G. Eng'r, Chief of Party.

| GEOGRAPHIC NAMES Survey No. 6483        | A / | W. October Oct | Sold Stranger of the Stranger | D D D | of day of the last | 250      | O Guide of        | Man | The Same | bria. Way             |
|---|-----|--|---|-------|--|----------|-------------------|---|----------|-----------------------|
| Name on Survey                          | A   | B  | CI  | D     | E  | F        | G                 | Н                                       | KV       | 2 48                  |
| Baker Bay                               | +   |  |   |       | 1  |          | /                 |   | 1        | 1                     |
| Washington                              | *   |  | /   |       | 1  |          | _                 |   | 1        | 2                     |
| Chinook River                           | *   |  | /   | ~     | -  |          | -                 |   | /        | 3                     |
| Airport                                 |     |  |   | ~     |  |          |                   |   |          | <b>*</b> <sub>4</sub> |
| U.S. Highway 101<br>Wallacut River      |     |  |   | _     |  |          |                   |   |          | <b>★</b> <sub>5</sub> |
| Wallacut River                          | *   |  |   | -     |  |          |                   |   | _        | 6                     |
|   |     |  |   |       |  |          |                   |   |          | 7                     |
|   |     |  |   |       |  |          |                   |   |          | 8                     |
|   |     |  |   |       |  |          |                   |   |          | 9                     |
|   |     |  |   |       |  |          |                   |   |          | 10                    |
|   |     |  |   |       |  |          |                   |   |          | 11                    |
|   |     |  |   |       |  |          |                   |   |          | 12                    |
|   |     |  |   |       |  |          |                   |   |          | 13                    |
|   |     |  |   |       |  |          |                   |   |          | 14                    |
|   |     |  |   |       |  |          |                   |   |          | 15                    |
|   |     |  |   |       |  |          |                   |   |          | 16                    |
|   | *** |  |   | •     |  |          |                   |   |          | 17                    |
|   |     |  |   |       |  |          |                   |   |          | 18                    |
|   |     |  |   |       |  |          |                   |   |          | 19                    |
|   |     |  |   |       |  |          |                   |   |          | 20                    |
|   |     |  |   |       |  |          |                   |   |          | 21                    |
| 1 |     |  |   |       |  |          |                   |   | 1        | 22                    |
|   |     |  |   |       |  |          | uned in           | red appro                               | vea /    | 23                    |
|   |     |  |   |       | TNO  | mes unde | Cillien           | on 6/9/                                 | 30       | 24                    |
|   |     |  |   |       | 1/4  | y CON    | - Carrier Control |   |          | 25                    |
|   |     |  |   |       |  |          |                   |   |          | 26                    |
|   |     |  |   |       |  |          |                   |   |          | 27<br>M 234           |

| Survey No. 6483-1 | / | Short / | John Sunda S | 2. No.   | and side | 2        | o cind of | So And Man And And And And And And And And And An | S. S | h |
|-------------------|---|---------|--|----------|----------|----------|-----------|---|--|---|
| Name on Survey    | A | Ho. Or  | C I  | S. Model | E        | F        | G         | Н   | K Co                                     | 6 |
| Columbia River    | * |         | -  | -        | -        |          | -         |   | 1  | * |
| Washington        | + |         |  | _        | -        |          |           |   | 1  |   |
| Pt. Ellice        | * |         |  | -        |          |          |           |   |  |   |
| McGowan           | X |         |  | /        |          |          |           |   | _  |   |
| Fort Columbia     | * | 70      |  |          |          |          |           |   |  |   |
| Chinook Pt.       | * |         |  |          |          |          |           |   |  |   |
| Chinook           | * |         | /  |          |          |          |           |   |  | + |
| U.S. Highway 101  |   |         |  |          |          |          |           |   |  | * |
| Megler            | * | 8.1     |  | -        |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  | No.      |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          | 1        |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
| ****              |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          |          |          |           |   |  |   |
|                   |   |         |  |          |          |          | -         | -d anor   | wed \                                    |   |
|                   |   | -       |  |          | Tilla    | mes unde | lined in  | 100 apr   | 96                                       |   |
|                   |   |         |  | No.      | 1. 140   | 09D.     | 1)        | 11  |  |   |

,

6.983

FORM M-238

# MEMORANDUM IMMEDIATE ATTENTION

| SURVEY DESCRIPTIVE REPORT XRHIXXIXXXXX | <b>XMXXXXXXXXX</b><br>No. T. 6483-8 | received MAY 1 6 1936 registered MAY 2 2 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          |         |                                       |   |
| <b>√</b> 40 | pas     | e 2 D.R.                              |   |
| 62          |         |                                       |   |
| 63          |         |                                       | - |
| 82          |         | · · · · · · · · · · · · · · · · · · · |   |
| 83          |         |                                       |   |
| 88          |         |                                       |   |
| 90          |         | ·                                     |   |
|             |         |                                       |   |
|             |         |                                       |   |

| RETURN TO      |    |  |  |  |
|----------------|----|--|--|--|
|                | 82 |  |  |  |
| <del>-</del> - |    |  |  |  |

C. K. Graon

#### REVIEW OF TOPOGRAPHIC SURVEY No. 6483a

Title (Par. 56) Chinook to Wallacut River, Wash.

- Chief of Party R. W. Knox Surveyed by R.A. Philleo 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 -con-tours-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.)
- 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

# H250-273 (1851) T317 (1850)

These surveys are very general and are of no value in checking the present survey T6483a.

# T1138 (1869)

This survey is compared with the present survey (T6483a) adequately on Page 3 of the Descriptive Report. The H. W. line has changed so much around the mouth of Chinook River that the H.W. point to the South and West of the mouth of the River is completely gone.

T6483a supersedes H250, H273, T317 and T1138 in part.

The Chart 5902 is in fair agreement with 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
- The magnetic meridian was shown and declination was checked. (Par. Sheet corrected 17, 52.) Declination checks value on chart Declinatoire Error +53' \*

for declinatoire GR. Mar. 2,1938

\* Meridian on

- The geographic datum of the sheet is N.A. 1927 (Unad justed) 18. and the reference station is correctly noted. (Par. 34.)
- 19. Junctions with contemporary surveys are adequate. Joins T6483 b (1935) on the East
- 20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)
- 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 Chus. Or. Bush for June 25, 1936.

Examined and approved:

Chief, Section of Field Records

Chief, Division of Charts

Division of Hyd. and Top.

#### REVIEW OF TOPOGRAPHIC SURVEY No. 64836

Title (Par. 56) Megler to Chinook, Wash.

- Chief of Party R. W. Knox Surveyed by R. A. Philleo Inked by R. W. Knox

  Ship Field Party \*9 Instructions dated Feb. 15, 1936 Surveyed in June, 1935
  - 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.)
  - 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

# H250-273 (1851) T317 (1850)

These surveys are very general and nearly 100 years old, and are of no value in checking the present survey of T6483b.

# T1139a (1869)

This survey is adequately compared on Page 4 of the Descriptive Report. The shore line has changed materially except where there is an outcropping of rock.

T6483b supersedes H250 and 273 (1851) T317 (1850) and T1139a (1869) in part.

- to distribute

- 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. \*Meridian on sheet corrected for 17, 52.) Declination 2º East of value shown on chart.

  Declinatoire error +53' \*
- 18. The geographic datum of the sheet is N.A. 1927 (Unadjusted) and the reference station is correctly noted. (Par. 34.) -
- 19. Junctions with contemporary surveys are adequate. 
  Joins 6483a (1935) on the West

  Joins 6384a (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. Q. Bush J. June 25,1936.

Examined and approved:

Chief, Section of Field Records

Chief, Division of Charts

Fred. L. Veacock Chief, Section of Field Work

Chief, Division of Hyd. and Top.