

12066

orig

Diag. Cht. No. 6450-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. Ph-6101 Office No. T-12066

LOCALITY

State WASHINGTON

General locality ADMIRALTY INLET

Locality MATS MATS

1960-1961

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE May 1964

USCOMM-DC 5087

12066

DESCRIPTIVE REPORT - DATA RECORD
T - 12066

PROJECT NO. (II):

PH-6101

FIELD OFFICE (II):

PORT TOWNSEND, WASHINGTON

CHIEF OF PARTY

FRED NATELLA

UNIT CHIEF R. B. MELBY

PHOTOGRAMMETRIC OFFICE (III):

PORTLAND, OREGON

OFFICER-IN-CHARGE

FRED NATELLA

INSTRUCTIONS DATED (II) (III):

14 MARCH 1961 II, III
 AMENDMENT 1, 8 MAY 1961 II, III
 AMENDMENT 1, 17 MAY 1961 II, III
 AMENDMENT 4, 14 DECEMBER 1962 III

METHOD OF COMPILATION (III):

KELSH INSTRUMENT

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6000

PANTOGRAPH SCALE:

1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

MEAN SEA LEVEL EXCEPT AS FOLLOWS: ☒ X
 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):

ALDER, 1934

LAT.:

47° 58' 46.706"

LONG.:

122° 42' 23.495"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

362,925.17

x = 1,541,225.49

STATE

WASHINGTON

ZONE

NORTH

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
 OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

FORM C&GS-181b
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): R. B. MELBY		DATE: JULY - AUG. 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): AUGUST 1961 BY FIELD INSPECTION AND KELSH INSTRUMENT COMPILATION.		
PROJECTION AND GRIDS RULED BY (IV): A.R.		DATE 4-11-62
PROJECTION AND GRIDS CHECKED BY (IV): A.R.		DATE 4-16-62
CONTROL PLOTTED BY (III): C. H. BISHOP		DATE 5-21-62
CONTROL CHECKED BY (III): J. L. HARRIS		DATE 5-21-62
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. J. PUNL		DATE APRIL 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY D. N. WILLIAMS	DATE 6-29-62
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): C. C. HARRIS, STICK-UP		DATE 1-4-63
SCRIBING BY (III): C. C. HARRIS, 1962		DATE 10-17-62
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): J. L. HARRIS, ROUGH DRAFT J. L. HARRIS, ADVANCE		DATE 7-6-62 1-28-63
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS SINGLE LENS "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 W 2033 THRU 2035	9-21-60	12:06	1:30,000	2.7' ABOVE M.L.L.W.
RATIO PRINTS OF ABOVE AT 1:10,000 SCALE.				
COMPUTED FROM PRE- DICTED TIDE TABLES.				

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	DIURNAL RANGE
REFERENCE STATION: SEATTLE, WASHINGTON		7.6	11.3
COORDINATE STATION: PORT LUDLOW, WASHINGTON		6.4	9.9
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

DATE:

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

1

RECOVERED:

1

IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II):

NONE

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NONE

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

3

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPTS T-12066

T-12067 & T-12068

PROJECT PH-6101

JULY - AUGUST 1961

2. AREAL FIELD INSPECTION:

THE SHORELINE IN THIS AREA IS COMMON TO THE WEST SHORE OF PUGET SOUND, ADMIRALTY INLET, HOOD CANAL, MATS MATS BAY AND PORT LUDLOW.

THERE ARE NO RAILROADS IN THE AREA.

THE AREA IS SERVED WITH A NETWORK OF SECONDARY ROADS.

THERE IS LITTLE INDUSTRY IN THIS AREA. BY MATS MATS BAY IS A ROCK QUARRY; A LONG DUMP AND AN OPEN WATER LOG STORAGE AREA ARE FOUND NEAR THE WEST END OF PORT LUDLOW.

THE MAJORITY OF THE LAND AREA IS OCCUPIED BY TREE FARMS, WITH BEACH HOMES AND CABINS EXTENDING ALONG THE SHORE.

THE QUALITY OF THE FIELD PHOTOGRAPHS WAS ADEQUATE FOR THE FIELD INSPECTION OPERATIONS.

3. HORIZONTAL CONTROL:

(A) NO SUPPLEMENTAL CONTROL WAS ESTABLISHED BY THE FIELD PARTY.

(B) NO DATUM ADJUSTMENTS WERE MADE BY THE FIELD PARTY.

(C) CONTROL ESTABLISHED BY OTHER AGENCIES WAS NOT SEARCHED FOR.

(D) ALL STATIONS REQUIRED BY THE PROJECT INSTRUCTIONS FOR CONTROL OF THE PHOTO PLOT WERE RECOVERED AND IDENTIFIED EXCEPT STATIONS TALA, 1927, AND WASH, 1927. STATION WASH, 1927 WAS NOT RECOVERED AND TALA, 1927 WAS IN A SHADOW AREA AT THE BASE OF A BLUFF. STATION PORT LUDLOW, REAR RANGE TANK, 1934 WAS RECOVERED AND IDENTIFIED IN LIEU OF THESE OTHER STATIONS. THESE THREE STATIONS ARE FOUND IN SHEET T-12068.

(e) ALL STATIONS ESTABLISHED BY THE COAST AND GEODETIC SURVEY WERE SEARCHED FOR.

THE FOLLOWING STATIONS WERE SEARCHED FOR AND HAVE BEEN LISTED AS LOST OR DESTROYED.

SHEET T-12066

NONE

SHEET T-12067

TOP ROCK, 1915

SNAKE ROCK LIGHT, 1934

SHEET T-12068

PORT LUDLOW, FRONT RANGE LIGHT, 1934
PORT LUDLOW, MILL CHIMNEY, 1934

(f) THE QUALITY OF IDENTIFICATION FOR EACH STATION OR SUBSTATION HAS BEEN INDICATED ON THE CONTROL STATION IDENTIFICATION CARD. NONE OF THE IDENTIFICATION WAS CONSIDERED SUBSTANDARD.

4. VERTICAL CONTROL:

VERTICAL CONTROL REQUIREMENTS ARE THE RECOVERY AND IDENTIFICATION OF TIDAL BENCH MARKS. THIS WAS COMPLIED WITH. TIDAL BENCH MARKS ARE FOUND AT PORT LUDLOW.

5. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

DRAINAGE IS COMMON TO MOST OF THE AREA. THE IMAGES OF THE STREAM COURSES ARE GENERALLY OBSCURED BY THE WOODLAND COVER. SOME OF THE STREAM COURSES CAN BE DETERMINED BY THE LIGHTER COLOR TONES OF THE DECIDUOUS COVER. WHERE THE STREAM IMAGES ARE VISIBLE ON THE FIELD PHOTOGRAPHY, THEY HAVE BEEN INDICATED. MARSH AREAS HAVE ALSO BEEN INDICATED.

6. WOODLAND COVER:

MOST OF THE LAND AREA IS COVERED BY A DENSE GROWTH OF DECIDUOUS AND CONIFEROUS TIMBER. THE CONIFERS PREDOMINATE EXCEPT IN LOW LAND PLACES AND IN RECENT LOGGED-OFF AREAS.

7. SHORELINE AND ALONGSHORE FEATURES:

THE SHORELINE AND ALONGSHORE FEATURES WERE INSPECTED FROM A SMALL SKIFF AND BY WALKING THE BEACH.

(A) THE MEAN HIGH WATER LINE WAS INDICATED ON THE FIELD PHOTOGRAPHS. ITS POSITION WAS DETERMINED BY VISUAL INSPECTION AND BY ITS RELATIVE POSITION TO IDENTIFIABLE SHORELINE FEATURES. IN SOME CASES WHERE THE MEAN HIGH WATERLINE WAS OBSCURED BY SHADOWS, THE SHORELINE WAS DETERMINED BY PLANETABLE METHODS. IN MOST CASES THE MEAN HIGH WATER LINE IS AT THE BASE OF WOODED SLOPES AND BLUFFS. SOME OF THE SHORELINE IMAGES ARE NOT VISIBLE DUE TO THE ADJACENT WOODLAND COVER. USUALLY THE TREES OVERHANG THE SHORELINE. IN MOST INSTANCES WHERE THE SHORELINE IMAGE IS NOT VISIBLE DUE TO TREE OVERHANG, THE POSITION OF THE SHORELINE IS NEAR THE CENTER OF THE TREE OR ABOUT THE RADIUS DISTANCE FROM THE OFFSHORE EDGE OF THE APPARENT DIAMETER OF THE TREE FOLIAGE.

(B) THE LOW WATER LINE WAS INDICATED ONLY IN THOSE AREAS WHERE ROCK LEDGES ARE INDICATED ON THE FIELD PHOTOGRAPHS.

(C) THE CHARACTER OF THE FORESHORE HAS BEEN INDICATED ON THE FIELD PHOTOGRAPHY.

(D) CLIFFS HAVE BEEN INDICATED IN THE AREA NEAR MATS MATS BAY. BLUFFS HAVE BEEN INDICATED ON THE FIELD PHOTOGRAPHS WITH ESTIMATED HEIGHTS. THE MAJORITY OF THE SHORELINE AREA IS, WOODED SLOPES.

(E) SEVERAL SMALL PIERS AND A MARINE RAILWAY HAVE BEEN INDICATED ON THE FIELD PHOTOGRAPHY. THESE FEATURES ARE FOR THE SERVICE OF SMALL CRAFT.

(F) (F) THE INSHORE ENDS OF A SUBMARINE CABLE CROSSING IN THE VICINITY OF PORT LUDLOW HAVE BEEN INDICATED ON FIELD PHOTOGRAPH 60 W 2036.

(G) OTHER SHORELINE FEATURES ARE A CONCRETE SEAWALL AND A LOG DUMP. THESE FEATURES HAVE BEEN INDICATED ON THE FIELD PHOTOGRAPHY.

8. OFFSHORE FEATURES:

OFFSHORE FEATURES IN THE FORM OF ROCKS OR PILING HAVE BEEN INDICATED ON THE FIELD PHOTOGRAPHS DURING THE SHORELINE INSPECTION. HEIGHTS OF THE OFFSHORE ROCKS WERE DETERMINED BY THE FIELD PARTY. WHERE THE DETERMINATION OF THE HEIGHTS OF ROCKS REFER TO THE WATER SURFACE OF THE EXISTING STAGE OF TIDE, THE TIME RECORDED IS PACIFIC DAYLIGHT SAVING TIME. KELP BEDS HAVE BEEN INDICATED ON THE FIELD PHOTOGRAPHY.

9. LANDMARKS AND AIDS:

(A) THE POSITION AND ELEVATION OF ONE PREVIOUSLY CHARTED LANDMARK WERE REDETERMINED. PERTINENT INFORMATION HAS BEEN LISTED ON FORM 567.

(b) NO INTERIOR LANDMARK WAS SELECTED.

(c) NO AERONAUTICAL AIDS WERE FOUND IN THE AREA.

(d) ALL FIXED AIDS TO NAVIGATION WERE INVESTIGATED AND HAVE BEEN LISTED ON FORM 567.

10. BOUNDARIES AND MONUMENTS:

BOUNDARIES AND MONUMENTS ARE NOT APPLICABLE.

THE LIMIT LINES OF A CEMETERY HAVE BEEN INDICATED ON FIELD PHOTOGRAPH 60 W 2036.

11. OTHER CONTROL:

OTHER CONTROL ESTABLISHED BY THE FIELD PARTY WAS THE SELECTION AND PHOTO-IDENTIFICATION OF NATURAL AND CULTURAL OBJECTS PHOTO-HYDRO STATIONS.

12. OTHER INTERIOR FEATURES:

ROADS, PUBLIC BUILDINGS, AND BUILDINGS OF LANDMARK VALUE WERE INDICATED ON THE FIELD PHOTOGRAPHS.

THERE ARE NO AIRPORTS OR AIRFIELDS IN THE AREA.

THERE ARE NO BRIDGES OR OVERHEAD CABLE CROSSINGS OVER NAVIGABLE WATER.


13. GEOGRAPHIC NAMES:

A FORMAL REPORT ON GEOGRAPHIC NAMES IS NOT REQUIRED BY THE PROJECT INSTRUCTIONS, SUPPLEMENTAL LETTER 6311/AKW/LRW DATED 17 APRIL 1961. NO GEOGRAPHIC NAMES REPORT IS BEING SUBMITTED.

14. SPECIAL REPORT AND SUPPLEMENTAL DATA:

A SPECIAL REPORT ON THE REMAINDER OF THE IDENTIFICATION OF HORIZONTAL CONTROL STATIONS WAS SUBMITTED WITH THE FIELD IDENTIFICATION DATA, UNDER THE HEADING, "NOTES TO THE COMPILER", 4 AUGUST 1961.

APPROVED:


FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:


(for)
ROBERT B. MELBY
SURVEYING TECHNICIAN, C&GS

Photogrammetric Plot Report No. 1
Puget Sound, PH-6101
April 1962

21. Area Covered

The section Admiralty Inlet covered by the following map manuscripts T-1206⁶/₆ through T-12072.

22. Method

- a. System: Analytic Aerotriangulation.
- b. This section has three individually controlled strips with the following photos:
 - Strip I; 60-W-2070 - 76
 - Strip II; 60-W-2052 - 56
 - Strip III; 60-W-2033 - 39
- c. Adjustments were accomplished by the IBM computers. The standard error of closure to horizontal control was 3.4 feet with a range of 0.0 to 8.4 feet.

Tie points were established between the strips, with a range of 0.7-13.3 ft. and a standard deviation between all ties of 7.3 feet. Location of ties is shown on sketch. (See Item 25b).

Closure to control and tie points indicate that the results are well within accuracy standards for 1:10,000 scale compilation.

23. Adequacy of Control

Control complies with project instructions and was adequate.

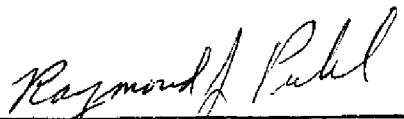
25. Photography

The photos had adequate endlap and side lap and the quality of image definition was satisfactory.

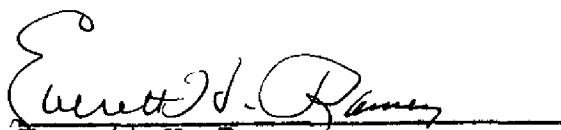
Photo 60-W-2056 of Strip II was mostly water area. This resulted in weak relative orientation and may have caused the fairly large discrepancy in the tie points (13.3 ft.) to photo 2070 of Strip I. However planimetry in this area should be within the allowable accuracy.

26. Sketch and List of Control attached.

Submitted by:


Raymond J. Puhl

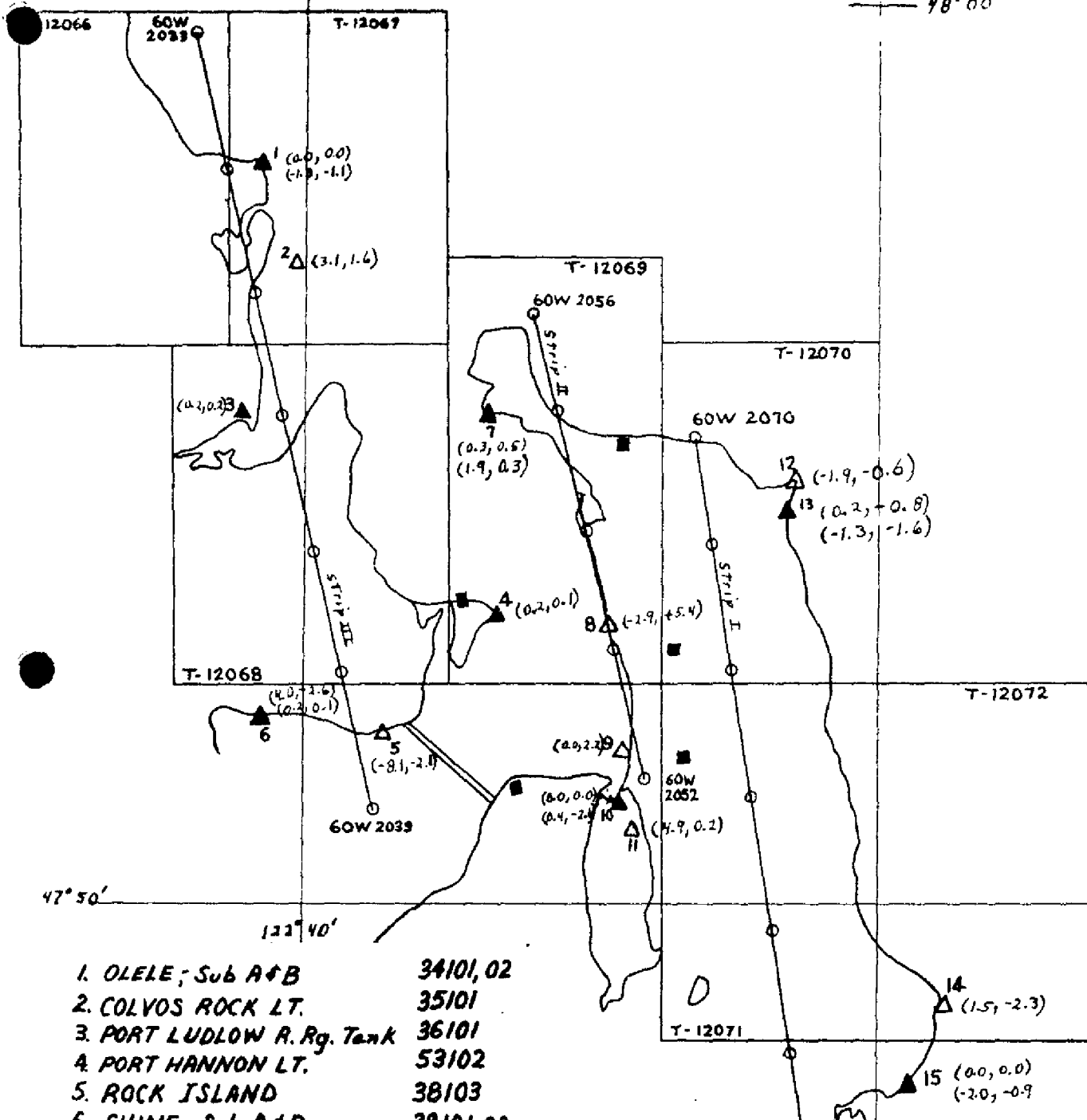
Approved:


Everett H. Ramey
Chief, Aerotriangulation Section

PUGET SOUND PH 6101 AERO TRIANGULATION SKETCH #1

122° 30' 13.

98° 00'



- | | |
|-----------------------------|-----------|
| 1. OLELE; Sub A & B | 34101, 02 |
| 2. COLVOS ROCK LT. | 35101 |
| 3. PORT LUDLOW R. Rg. Tank | 36101 |
| 4. PORT HANNON LT. | 53102 |
| 5. ROCK ISLAND | 38103 |
| 6. SHINE; Sub A & B | 38101, 02 |
| 7. COVER; Sub A & B | 55151, 52 |
| 8. BARNACLE | 53101 |
| 9. PORT GAMBLE INNER LT. | 52104 |
| 10. IND; Sub A & B | 52101, 02 |
| 11. PORT GAMBLE, MILL, CHM. | 52103 |
| 12. POINT NO POINT LT. NO. | 71103 |
| 13. NO POINT; Sub A & B | 71101, 02 |
| 14. APPLE COVE PT. LT. | 75103 |
| 15. STAFF; Sub Pt. & STAFF | 75101, 02 |

LEGEND:

- ▲ Hor. Control (used)
- △ Hor. Control (check)
- Tie Point
- (1.0, -1.0) Signs on closures indicate relation of bridge to control. Closures are indicated in order of Sub. Sta. numbers.

COMPILATION REPORT
MAP MANUSCRIPT T-12066
PROJECT PH-6101

31. DELINEATION:

PLANIMETRY WAS COMPILED BY USE OF THE KELSH INSTRUMENT. THE MANUSCRIPT WAS SCRIBED IN ACCORDANCE WITH METHOD 2, PHOTOGRAMMETRIC INSTRUCTIONS 55, REVISED, DATED MAY 20, 1959 AND WAS COMPLETED PRIOR TO RECEIPT OF AMENDMENT 4, DATED DECEMBER 14, 1962.

32. CONTROL:

THE SUPPLEMENTARY CONTROL WAS ESTABLISHED BY ANALYTIC AERO-TRIANGULATION. THIS WAS ADEQUATE FOR COMPILATION.

33. SUPPLEMENTAL DATA:

NONE.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

DRAINAGE WAS COMPILED AS FIELD INSPECTED AND WAS IN AGREEMENT WITH OFFICE INSPECTION OF THE PHOTOGRAPHY AND WITH THE U.S.G.S. QUADRANGLE.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH-WATER LINE WAS SPOT LOCATED BY THE FIELD PARTY AND REFINED BY THE KELSH OPERATOR DURING COMPILATION. THE CHARACTER OF THE FORESHORE AREA WAS INDICATED ON THE FIELD PHOTOGRAPHS AND WAS DELINEATED BY SYMBOL OR LABEL. THE OFFSHORE LIMITS OF ROCK LEDGES WERE DELINEATED AS FIELD INSPECTED AND THE EXTENT OF THE REMAINING ALONGSHORE FEATURES IS SHOWN AS DETERMINED BY INSPECTION OF THE PHOTOGRAPHY TAKEN AT A PREDICTED TIDE OF 2.7 FEET ABOVE M.L.L.W.

ELEVATIONS OF ROCKS SHOWN ON THIS MANUSCRIPT WERE ADJUSTED TO THE MANUSCRIPT DATUM FROM DATA SUBMITTED BY THE FIELD PARTY.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

NO LANDMARKS OR AIDS ARE SHOWN ON THIS MAP.

38. CONTROL FOR FUTURE SURVEYS:

THREE PHOTO-HYDRO STATIONS WERE IDENTIFIED BY THE FIELD UNIT AND THEIR POSITIONS OBTAINED BY AEROTRIANGULATION. THEIR NUMBERS AND DESCRIPTIONS ARE LISTED IN PARAGRAPH 49.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-12064 TO THE NORTH AND WITH T-12067 TO THE EAST. THERE ARE NO CONTEMPORARY SURVEYS TO THE WEST OR TO THE SOUTH.

40. HORIZONTAL AND VERTICAL ACCURACY:

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. $7\frac{1}{2}$ MINUTE PORT LUDLOW, WASHINGTON QUADRANGLE, SCALE 1:24,000, EDITION 1953.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH THE FOLLOWING NAUTICAL CHARTS:

NAUTICAL CHART 6421, SCALE 1:20,000 AT LAT. $47^{\circ} 53'$
1ST ED. NOV. 1945, REVISED 8-8-60.

NAUTICAL CHART 6450, SCALE 1:80,000 AT LAT. $47^{\circ} 57'$
12TH ED. NOV. 1961, REVISED 8-6-62.

NAUTICAL CHART 6401, SCALE 1:150,000 AT LAT. $47^{\circ} 40'$
1ST ED. 8-10-46, REVISED 10-6-58.

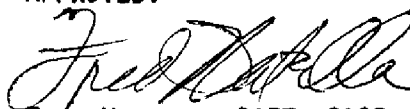
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

ITEMS TO BE CARRIED FORWARD:

NONE.

APPROVED:


FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:


JAMES L. HARRIS
CARTOGRAPHER

48. GEOGRAPHIC NAMES LIST:

THE GEOGRAPHIC NAMES ON THIS MANUSCRIPT ARE LISTED BELOW.
THEY WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME
SHEET, A COPY OF THE U.S.G.S. PORT LUDLOW, WASHINGTON 7 $\frac{1}{2}$ MINUTE
QUADRANGLE, SCALE 1:24,000, EDITION 1953.

MATS MATS (BAY)
MATS MATS (COMMUNITY)
OAK BAY.

George M. Ball
Geographic Names
Section
August 14 1963

49. NOTES FOR THE HYDROGRAPHER:

THE FOLLOWING PHOT-HYDRO STATIONS SHOWN ON THIS MANUSCRIPT WERE IDENTIFIED BY THE FIELD UNIT AND LOCATED DURING THE ANALYTIC AEROTRIANGULATION BRIDGING OPERATION.

No.	DESCRIPTION	PHOTO. No.
6601	EAST GABLE OF WHITE HOUSE	60 W 2034
6602	CUPOLA ON BARN	60 W 2035
6603	N.E. GABLE OF BOAT HOUSE	60 W 2035

PHOTOGRAMMETRIC OFFICE REVIEW

T-12066 12066

1. PROJECTION AND GRIDS X	2. TITLE X	3. MANUSCRIPT NUMBERS X	4. MANUSCRIPT SIZE X
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY X	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) None		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS None	9. PLOTTING OF SEXTANT FIXES None	10. PHOTOGRAMMETRIC PLOT REPORT X	11. DETAIL POINTS None
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE X	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. X	15. BRIDGES None
16. AIDS TO NAVIGATION None	17. LANDMARKS None	18. OTHER ALONGSHORE PHYSICAL FEATURES X	19. OTHER ALONGSHORE CULTURAL FEATURES X
PHYSICAL FEATURES			
20. WATER FEATURES X	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS None
23. STEREOSCOPIC INSTRUMENT CONTOURS None	24. CONTOURS IN GENERAL None	25. SPOT ELEVATIONS None	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS X	28. BUILDINGS X	29. RAILROADS None	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES X		32. PUBLIC LAND LINES X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES X	34. JUNCTIONS X		35. LEGIBILITY OF THE MANUSCRIPT X
36. DISCREPANCY OVERLAY None	37. DESCRIPTIVE REPORT X	38. FIELD INSPECTION PHOTOGRAPHS X	39. FORMS X
40. REVIEWER J. L. Harris		SUPERVISOR, REVIEW SECTION OR UNIT Edward Deal	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER		SUPERVISOR	
43. REMARKS			

COMPILATION RECORD

COMPLETION DATE

REMARKS

<i>Alongshore area for hydro</i>	<i>1/4/63</i>	<i>Copies not furnished for hydro</i>

Survey Report
Shoreline Surveys
T-12002 thru T-12067
October 1963

61. General Statement

These are six (6) shoreline maps of Project PM-6101, Admiralty Inlet, Washington. These maps were prepared primarily for the location of nonfloating aids and landmarks for the revision of our nautical charts and for control of proposed hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-4120	1:10,000	1926
T-4120	1:10,000	1926
T-4120	1:10,000	1971
T-4120	1:10,000	1972
T-4120	1:10,000	1927
T-600000	1:5,000 and	
	1:10,000	1941
T-600000	1:5,000 and	
	1:10,000	1941

These maps are to supersede the prior surveys for nautical chart construction.

63. Comparison with Maps of Other Agencies

Port Townsend South	1:24,000	1953
Myland	1:24,000	1953
Port Ludlow	1:24,000	1953
Center	1:24,000	1953

There are cultural and shoreline differences but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys - None

65. Comparison with Nautical Charts

6402	1:150,000	Oct. 1962
6403	1:150,000 revised to July 1963	
6405	1:150,000 revised to Feb. 1962	
6406	1:150,000 revised to Aug. 1960	
6408	1:100,000 revised to June 1963	

Differences exist. However there are no items to be applied immediately.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for Nautical Charting.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Himm
Chief, Photographic Branch

J. E. Waugh 5/6/64
Chief, Photographic Division

