

11591

Orig.

Diag. Cht. No. 6380.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)

Field No. Ph-5905 Office No. T-11591

LOCALITY

State Washington

General locality Skagit Bay

Locality North Fork Skagit River

1959-1959-60

CHIEF OF PARTY

Lorne G. Taylor & Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

11591

DESCRIPTIVE REPORT - DATA RECORD

T - 11591

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Unit Chief: Wesley V. Hull

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: Lorne G. Taylor
& Fred Natella

Instructions dated (II) (III): 10 Feb. 1960 II
Supplement 1, 5 May 1960 II & III

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.:

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): X

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): DELTA ROCK 3, 1939

Lat.: 48° 21' 09.968"

Long.: 122° 28' 12.576"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

Y= 497,686.47

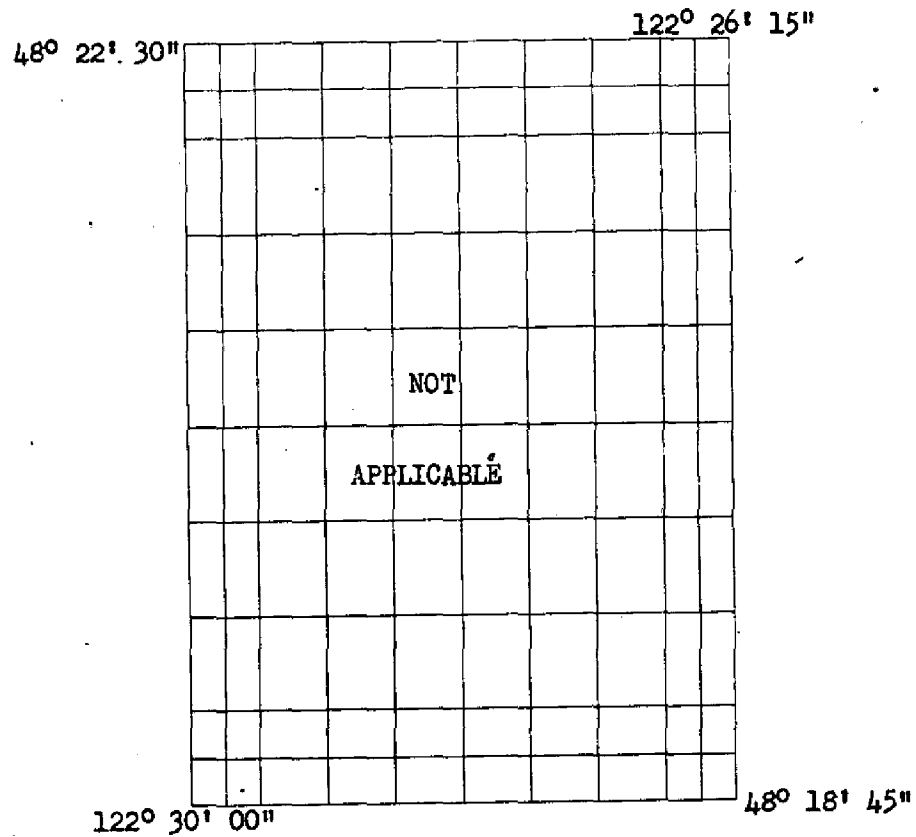
X= 1,602,027.01

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.

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY



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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): W. V. Hull & R. B. Melby

Date: April & July 1960

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 7-5-60 by field inspection, refinement by stereoscopic examination in office and compilation by graphic methods.

Projection and Grids ruled by (IV):

Souders

Date: 6-16-60

Projection and Grids checked by (IV):

J. Keefer

Date: 8-18-60

Control plotted by (III):

C. C. Harris

Date: 10-3-60

Control checked by (III):

L. L. Graves

Date: 10-10-60

Radial Plot or Stereoscopic
Control extension by (III):

J. L. Harris

Date: 10-12-61

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III):

J. L. Harris, Rough Draft

Date: 6-9-61

J. L. Harris, Scribing

9-19-61

C. C. Harris, Stick-up

11-21-61

Photogrammetric Office Review by (III):

C. C. Harris, Rough Draft

Date: 6-15-61

J. E. Deal, Advance

11-22-61

Elevations on Manuscript
checked by (II) (III):

None

Date:

DESCRIPTIVE REPORT - DATA RECORD

5.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): C&GS Nine lens - focal length 8.25 inches.

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
60008 thru 60010	9-9-59	08:56	1:10,000	7.7' above M.L.L.W.
60081 thru 60083	"	09:45	"	8.7' above M.L.L.W.

Note: The tide data available is not believed to be adequate for an accurate computation of tide for this part of Skagit Bay and for the North Fork Skagit River.

Tide (III)

Reference Station: Seattle, Washington
Subordinate Station: Ala Spit, Washington
Subordinate Station:

Ratio of Ranges	Mean Range	Diurnal
		Spring Range
	7.6	11.3
	6.9	10.5

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 3.6

Shoreline (More than 200 meters to opposite shore) (III): 9

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 11 Recovered: 6

Identified: 1

Number of BMs searched for (II): None Recovered:

Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T-11591

Project Ph-5905

Refer to the Field Inspection Report for the entire Project
Ph-5905 by Wesley V. Hull, February 1960 to September 1960.

Filed with Desc. Report T 11584

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11591

Project Ph-5905

Refer to the combined radial plot report for T-11584 thru T-11586 and T-11589 thru T-11593 which is included in the Descriptive Report for T-11584 (1960).

SCALE FACTOR None

1 FT. ... 3048006 METER	C.H.B.	9-8-60	J.L.H.	9-19-60	COMM-DC-57843
COMPUTED BY:	J.L.H.	DATE	CHECKED BY:	DATE	
		9-19-60	J.E.D.	9-29-60	

COMPILATION REPORT

Map Manuscript T-11591

Project Ph-5905

31. Delineation:

Graphic methods were used to compile the planimetry.

Field inspection was adequate.

There are no areas incomplete.

32. Control:

Horizontal control was adequate.

Vertical control is not applicable.

33. Supplemental Data:

None.

34. Contours and Drainage:

Contours are not applicable.

Drainage was not field inspected. It was clearly visible on the photographs and was delineated with reference to the U.S.G.S. 7½ minute quadrangle Utsalady, Washington.

35. Shoreline and Alongshore Details:

These features were adequately field inspected and no difficulties were encountered. Where the mean high-water line was hidden by deep shadows on the photographs the shoreline was compiled from sextant fix locations furnished by the field unit.

The limits of the grass and water areas are detailed as they appear on photography taken close to mean high-water. They do not adequately depict the conditions in Skagit Bay. This bay, over its entire area on this manuscript, is believed to bare at low stages of tide. Refer to Nautical Charts 6450, 6376 & 6380.

The character of the foreshore is indicated by notes along the mean high-water line.

36. Offshore Details:

Numerous piling and dolphins are shown just offshore from the mean high-water line.

Several rocks which bare at mean high-water are shown in the vicinity of Ika Island and Craft Island.

37. Landmarks and Aids:

None.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-11586 on the north, T-11590 on the west and T-11592 on the east. To the south is the water area of Skagit Bay and no junction is required.

40. Horizontal and Vertical Accuracy:

Vertical accuracy is not applicable.

There are no areas believed to be of sub-normal horizontal accuracy.

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 7½ minute quadrangle Utsalady, Washington, Scale 1:24,000, edition 1956.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6376, Scale 1:25,000, 1st Edition May 5th, 1945, Revised 6-27-60, hand corrected 7-29-60.

A few depths appear in the North Fork Skagit River and none in Skagit Bay. Apparently navigation in the area is confined to very shallow draft boats.

Items to be applied to Nautical Charts Immediately:

None.

Items to be Carried Forward:

None.

Approved:

Respectfully submitted:


Fred Natella, CAPT, C&GS J. Edward Deal
Portland District Officer Cartographer

49. Notes to the Hydrographer:

None.

T-11591

COMPILATION RECORD	COMPLETION DATE	REMARKS
4 Interior Details Added Compilation complete	11/22/61	

PHOTOGRAMMETRIC OFFICE REVIEW

T-11591

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) none 7. Photo hydro stations none 8. Bench marks none 9. Plotting of sextant fixes none 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges none 16. Aids to navigation none 17. Landmarks none 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours none 23. Stereoscopic instrument contours none 24. Contours in general none 25. Spot elevations none 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads none 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines none 32. Public land lines none

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay none 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒ 40. Carita L. Harris Edward Deal

Reviewer

Supervisor, Review Section or Unit

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:

48. Geographic Names:

Bald Island

Craft Island

Dodge Valley

Fir Island

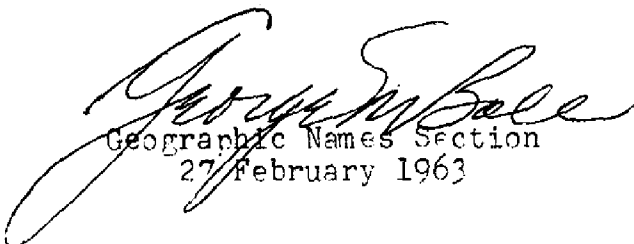
Fish Town

Ika Island

North Fork Skagit River

Pleasant Ridge

Skagit Bay


Geographic Names Section
27 February 1963

Review Report
Shoreline Surveys
T-11584 thru T-11593
May 1964

61. General Statement

These are ten (10) shoreline maps of project PH-5905, Puget Sound, Washington. These maps were prepared primarily to provide basic maps, including the location of all non floating aids and landmarks for use in revising our nautical charts and for control of proposed hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-1252	1:10,000	1871
T-2156	1:20,000	1889
T-2856	1:20,000	1908
T-6684b	1:10,000	1939
T-6685a&b	1:10,000	1939
T-6686	1:10,000	1939
T-6687	1:5,000	1939
T-6689	1:5,000	1939
T-6769	1:10,000	1940

Agreement with the above surveys is in general fair. There are many differences most of which are due to natural changes, but the general picture presented by the above surveys are reasonably similar to that of the present surveys. The above surveys are to be superseded for the common area.

63. Comparison with Maps of Other Agencies

Deception Pass	1:62,500	1951
Utsalady	1:24,000	1956
Conway	1:24,000	1956

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

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

See item 47.

66. Accuracy of Results and Future Surveys

These surveys comply with instructions and meet the National Standard of Map Accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles Shuman
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. E. Waugh 7/27/64
Chief, Photogrammetry Division

