

11588

any

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-9505 Office No. T-11588

LOCALITY

State Washington

Puget Sound

General locality Strait of Juan de Fuca

Locality Clover Valley, Whidbey Island

19 60 ✓

CHIEF OF PARTY

Lorne G. Taylor and Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

11588

DESCRIPTIVE REPORT - DATA RECORD

T - 11588

Project No. (II): Ph-5905

Quadrangle Name (IV):

Field Office (II): Mt. Vernon, Washington

Chief of Party: Lorne G. Taylor

Unit Chief: J. C. Lajoie & W. 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): Kelsh Instrument

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6000

Pantograph Scale

1:10,000

Scale Factor (III): None

SEP 18 1961

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): ADMIRAL, 1951

Lat.: 48° 19' 47.616"

Long.: 122° 38' 47.246"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: Washington Zone: North

Y= 490,304.57

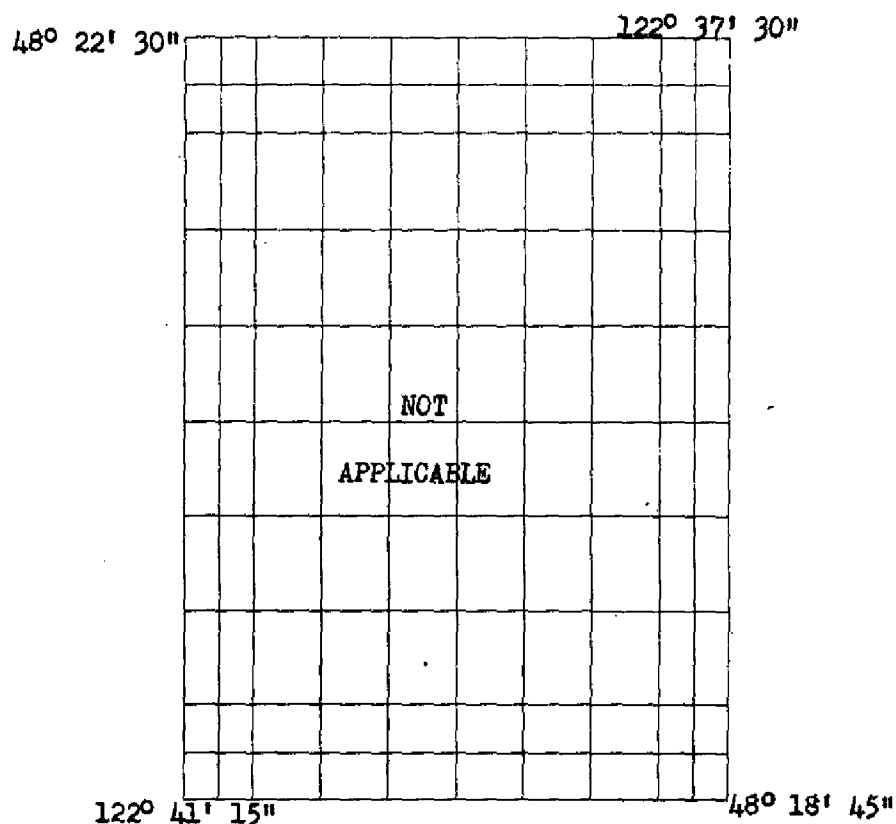
X= 1,558,973.61

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 181a
(4-23-54)

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): L. F. Van Scoy & W. V. Hull, Shoreline Date: June & Aug. 1960
W. V. Hull, Interior June 1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): June & Aug. 1960 by field inspection and compilation by Kelsh Instrument.

Projection and Grids ruled by (IV): R. A. C. Date: 10-6-60

Projection and Grids checked by (IV): J. D. C. Date: 10-14-60

Control plotted by (III): D. N. Williams Date: 12-9-60

Control checked by (III): J. E. Deal Date: 12-9-60

Radial Plot or Stereoscopic Control extension by (III): W. A. Kuncis Date: July 1960

Stereoscopic Instrument compilation (III): Planimetry D. N. Williams Date: 12-19-60
Contours Date:

Manuscript delineated by (III): D. N. Williams, Scribing Date: 5-10-61
C. C. Harris, Stick-up 6-29-61

Photogrammetric Office Review by (III): C. C. Harris, rough draft Date: 3-29-61
J. E. Deal, Advance 8-24-61

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 Single lens "S" & "L"

Number	Date	Time	Scale	Stage of Tide
60 S 2649 & 2650	4-26-60	10:31	1:30,000	At M.L.L.W.
60 S 2733 thru 2736	"	11:36	"	0.8' above M.L.L.W.
60 L 9610 thru 9612	4-16-60	14:16	"	0.7' above M.L.L.W.
60 L 9629 thru 9631	"	14:35	"	" "

Tide (III)

Reference Station: Port Townsend, Washington
Subordinate Station: Reservation Bay, Fidalgo Island, Wash.
Subordinate Station:

Ratio of Ranges	Diurnal	
	Mean Range	Spring Range
	5.1	8.3
	4.5	7.6

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): 12
Shoreline (More than 200 meters to opposite shore) (III): 2.5
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 49 Recovered: 38 Identified: 5
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-11588

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 T11584

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11588

Project Ph-5905

Refer to Photogrammetric Plot Report Stereoplanigraph Bridge,
Washington, Puget Sound, Whidbey and Camano Islands, (1960).

Filed with Desc Report T11584

U.S. DEPARTMENT OF COMMERCE
NAUTICAL AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 11588 PROJECT NO. Ph-5905 SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
								FORWARD	(BACK)	FORWARD	(BACK)
A - 2, 1952	Wash. N.	N.A.	484,781.38		4781.38	(218.62)		1457.4	(66.6)		
	P-277	1927	1,563,043.08		3043.08	(1956.92)		927.5	(596.5)		
Sub Station	Wash. Office	"	484,848.9		4848.9	(151.1)		1477.9	(46.1)		
	Comp.	"	1,563,105.3		3105.3	(1894.7)		946.5	(577.5)		
Whidbey Island NAS Ault Field, Control Tower, 1954	Wash. N.	"	496,840.58		1840.58	(3159.42)		561.0	(963.0)		
	P-275	"	1,553,379.88		3379.88	(1602.12)		1030.2	(493.8)		
Whidbey Island NAS Ault Field, Radar Reflector No.2, 1954	Wash. N.	"	499,619.49		4619.49	(380.51)		1408.0	(116.0)		
	P-275	"	1,552,677.39		2677.39	(2322.61)		816.1	(707.9)		
Whidbey Island NAS Ault Field, Radar Reflector No.1, 1954	Wash. N.	"	500,392.17		392.17	(4607.83)		119.5	(1404.5)		
	P-275	"	1,552,169.46		2169.46	(2830.54)		661.3	(862.7)		
A - 3, 1952	"	"	487,642.38		2642.38	(2357.62)		805.4	(718.6)		
	P-278	"	1,563,412.17		3412.17	(1587.83)		1040.0	(484.0)		
A - 4, 1952	"	"	488,725.81		3725.81	(1274.19)		1135.6	(388.4)		
	P-278	"	1,563,660.51		3660.51	(1339.49)		1115.7	(408.3)		
A - 6, 1952	"	"	491,651.60		1651.60	(3348.40)		503.4	(1020.6)		
	P-278	"	1,562,981.69		2981.69	(2018.31)		908.8	(615.2)		
A - 7, 1952	"	"	492,775.42		2775.42	(2224.58)		845.9	(678.1)		
	P-278	"	1,561,731.90		1731.90	(3268.10)		527.9	(996.1)		
ADMIRAL, 1951	"	"	490,304.57		304.57	(4695.43)		92.8	(1431.2)		
	P-272	"	1,558,973.61		3973.61	(1026.39)		1211.2	(312.8)		
B - 1, 1952	"	"	489,798.23		4798.23	(201.77)		1462.5	(61.5)		
	P-278	"	1,558,688.12		3688.12	(1311.88)		1124.1	(399.9)		
B - 2, 1952	"	"	489,416.54		4416.54	(583.46)		1346.2	(177.8)		
	P-279	"	1,557,694.66		2694.66	(2305.34)		821.3	(702.7)		

1 FT. = 3048006 METER
COMPUTED BY: J.L.H.
C.H.B.DATE 6-13-60
9-7-60CHECKED BY: J.E.D.
J.L.H.DATE 6-14-60
9-16-60

COMM-DC-57843

U.S. DEPARTMENT OF COMMERCE
NAUTICAL AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 11588 PROJECT NO. Ph-5905 SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
B- 7, 1952	Wash.N. P-279	N.A. 1927	489,084.28 1,552,784.67	4084.28 (915.72) 2784.67 (2215.33)		1244.9 (279.1) 848.8 (675.2)	
B - 8, 1952	" P-279	"	489,121.12 1,551,110.02	4121.12 (878.88) 1110.02 (3889.98)		1256.1 (267.9) 338.3 (1185.7)	
B - 9, 1952	" P-279	"	489,233.83 1,549,460.84	4233.83 (766.17) 4460.84 (539.16)		1290.5 (233.5) 1359.7 (164.3)	
BERT, 1939	" P-322	"	504,656.83 1,554,843.13	4656.83 (343.17) 4843.13 (156.87)		1419.4 (104.6) 1476.2 (47.8)	
BORE, 1951	" P-272	"	497,568.21 1,556,167.61	2568.21 (2431.79) 1167.61 (3832.39)		782.8 (741.2) 355.9 (1168.1)	
DITCH, 1951	" P-272	"	496,807.09 1,558,046.82	1807.09 (3192.91) 3046.82 (1953.18)		550.8 (973.2) 928.7 (595.3)	
FARM, 1951	" P-272	"	497,978.54 1,561,812.41	2978.54 (2021.46) 1812.41 (3187.59)		907.9 (616.1) 552.4 (971.6)	
FENCE, 1951	" P-272	"	495,325.33 1,558,375.84	325.33 (4674.67) 3375.84 (1624.16)		99.2 (1424.8) 1029.0 (495.0)	
LOG HOUSE, 1951	" P-271	"	494,846.63 1,549,744.82	4846.63 (153.37) 4744.82 (255.18)		1477.2 (46.7) 1446.2 (77.8)	
MESS, 1951	" P-272	"	489,924.83 1,554,316.30	4924.83 (75.17) 4316.30 (683.70)		1501.1 (22.9) 1315.6 (208.4)	60.
MON 32 (USN) 1952	" P-278	"	492,823. 1,558,775.	2823. (2177.) 3775. (1225.)		860.5 (663.5) 1150.6 (373.4)	
REPLACE, 1960	Office Comp.	"	494,371.09 1,558,479.95	4371.09 (628.91) 3479.95 (1520.05)		1332.3 (191.7) 1060.7 (463.3)	

1 FT. = 3048006 METER

COMPUTED BY: C.H.B.

DATE 9-7-60

CHECKED BY: J.L.H.

DATE 9-16-60

COM-DC-57843

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T 11588 PROJECT NO. Ph-5905 SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
RUN 8, 1951	Office	N.A.	497,182.87	2182.87	(2817.13)		665.3	(858.7)	
R.M. No. 3	Comp.	1927	1,552,553.72	2553.72	(2446.28)		778.4	(745.6)	
RUN 12, 1951	Wash.N. P-271	"	498,825.32	3825.32	(1174.68)		1166.0	(358.0)	
			1,553,079.72	3079.72	(1920.28)		938.7	(585.3)	
RUN 30, 1951	"	"	492,921.16	2921.16	(2078.84)		890.4	(633.6)	
	P-272		1,557,430.78	2430.78	(2569.22)		740.9	(783.1)	
SHOP, 1951	"	"	493,517.48	3517.48	(1482.52)		1072.1	(451.9)	
	P-272		1,552,520.19	2520.19	(2479.81)		768.2	(755.8)	
TIMBER, 1951	Office	"	487,936.28	2936.28	(2063.72)		895.0	(629.0)	
R.M. No. 2	Comp.	"	1,554,762.28	4762.28	(237.72)		1451.5	(72.5)	
TORPEDO, 1951	Wash.N. P-272	"	492,711.05	2711.05	(2288.95)		826.3	(697.7)	
			1,561,719.51	1719.51	(3280.49)		524.1	(999.9)	
WASP (USN) 1954	"	"	496,987.37	1987.37	(3012.63)		605.8	(918.2)	
	P-277		1,552,628.17	2628.17	(2371.83)		801.1	(722.9)	
Whidbey Island NAS, Ault Field, GCA	"	"	496,494.34	1494.34	(3505.66)		455.5	(1068.5)	
Tower 191, 1954	P-275		1,551,595.11	1595.11	(3404.89)		486.2	(1037.8)	
WHIDBEY ISLAND NAS, Ault Field, TACAN, 1960	Office	"	497,432.64	2432.64	(2567.36)		741.5	(782.5)	
	Comp.		1,554,723.47	4723.47	(276.53)		1439.7	(84.3)	
Whidbey Island NAS Ault Field, UHF	Wash.N. P-277	"	497,336.55	2336.55	(2663.45)		712.2	(811.8)	
Homer Beacon, 1954	"	"	1,551,883.20	1883.20	(3116.80)		574.0	(950.0)	F
			485,645.95	645.95	(4354.05)		196.9	(1327.1)	
ZANT, 1954	P-270	"	1,554,031.12	4031.12	(968.88)		1228.7	(295.3)	
	"	"	492,989.	2989.	(2011.)		911.0	(613.0)	
39 / (USN) 1952	P-279	"	1,553,807.	3807.	(1193.)		1160.4	(363.6)	

1 FT. = 3048006 METER

COMPUTED BY: C.H.B.

DATE 9-7-60

CHECKED BY: J.L.H.

DATE 9-16-60

COMM-DC-5784

COMPILATION REPORT

Map Manuscript T-11588

Project Ph-5905

31. Delineation:

The Kelsh Instrument was used to compile the planimetric details. Some office delineation was necessary to supplement the field inspection relative to roads leading to waterfront facilities. One prominent tank and one structure believed to be a tank (not labeled), neither of which were field inspected, were compiled.

32. Control:

Horizontal control was adequate.

33. Supplemental Data:

Print, Map of U. S. Naval Air Station, Whidbey Island, Washington, Dec. 1, 1953, Scale 1" = 1000'.

Print, Map of Island Co., Washington, Scale 1" = 1 mile, March 1958.

34. Contours and Drainage:

Contours are not applicable.

No drainage was field inspected and none is indicated by reference to U.S.G.S. 15 minute quadrangle, Deception Pass, Washington.

35. Shoreline and Alongshore Features:

The mean high-water line and alongshore features were adequately field inspected and no difficulties were encountered.

Low-water lines shown on the manuscript should be fairly accurate since the photographs were made at mean lower low-water.

Shoal lines were delineated from the photographs and can be considered to be of approximate location.

36. Offshore Details:

Rocks, sand islands which bare at M.L.L.W. and Kelp are features which have been compiled just offshore from the M.H.W.L.

37. Landmarks and Aids:

Forms 567 are submitted for these features.

38. Control for Future Surveys:

None.

39. Junctions:

Satisfactory junctions were made with T-11584 on the north, T-11587 on the west, T-11589 on the east and T-11595 on the south.

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. 15 minute quadrangle, Deception Pass, Wash., Scale 1:62,500, Published 1951.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6380, 8th Edition, March 3, 1947, Corrected through 1-23-60, Scale 1:80,000.

Comparison was made with Nautical Chart No. 6450, 11th Edition, March 3, 1945, Corrected through 1/23/60, Scale 1:80,000.

Comparison was made with Nautical Chart No. 6376, 1st Edition, May 5, 1945, Corrected through 7-9-60, Scale 1:25,000.

Items to be Applied to Nautical Charts Immediately.

None.

Items to be Carried Forward.

None.

Approved:

Fred Natella, Capt.

Fred Natella, CAPT, C&GS
Portland District Officer

Respectfully submitted:

J. Edward Deal

J. Edward Deal
Cartographer

T-11588

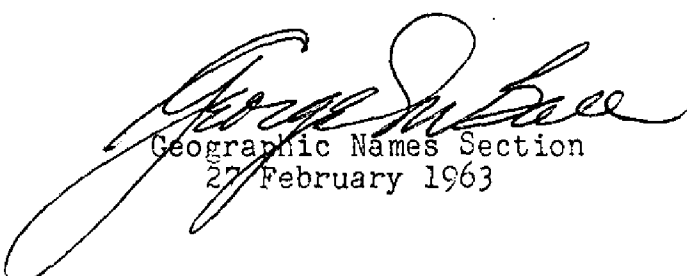
48. Geographic Names:

Clover Valley

Strait of Juan de Fuca

West Beach

Whidbey Island



Geographic Names Section
27 February 1963

49. Notes to the Hydrographer:

None.

PHOTOGRAMMETRIC OFFICE REVIEW

T-11588

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 ☒ 17. Landmarks ☒ 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 ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 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. Marita 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:

M-2623-12

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 Trimmer
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. M. Laugh 7/27/64
Chief, Photogrammetry Division

