

# 8204

8204

Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
<b>DESCRIPTIVE REPORT</b>	
Type of Survey: .....	
Field No. ....	Office No. ....
LOCALITY	
State .....	MASSACHUSETTS
General locality .....	
Locality .....	
194	
CHIEF OF PARTY	
Name .....	
Title .....	
LIBRARY & ARCHIVES	
DATE .....	August 18, 1953

DATA RECORD

T - 8204

Project No. (II): Ph-31E(48)      Quadrangle Name (IV): Nantucket & Vicinity

Field Office (II): Washington, N. C.

Chief of Party: E. R. McCarthy

Photogrammetric Office (III): Washington, D. C.

Officer-in-Charge: Louis J. Reed, Chief,  
Stereoscopic Mapping Sec.

Instructions dated (II) (III): 9 April 1948

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): Stereoplanigraph

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:15,000

Scale Factor (III): 3:2

Date received in Washington Office (IV): 7 June 50      Date reported to Nautical Chart Branch (IV): 9 June 50

Applied to Chart No.

Date:

Date registered (IV):

*Jan 5, 1953*

Publication Scale (IV): 1:10,000

Publication date (IV):

*(Date of issue July 1952)*

Geographic Datum (III): NA-1927

Vertical Datum (III): M.H.W.

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): *"DIONIS" GRAVE STONE, 1894*

Lat.: *41° 17' 08.75" (1857.01 m.)*      Long.: *70° 07' 56.12" (1396.3)*

Adjusted  
~~Unadjusted~~X

Plane Coordinates (IV):

State:

Zone:

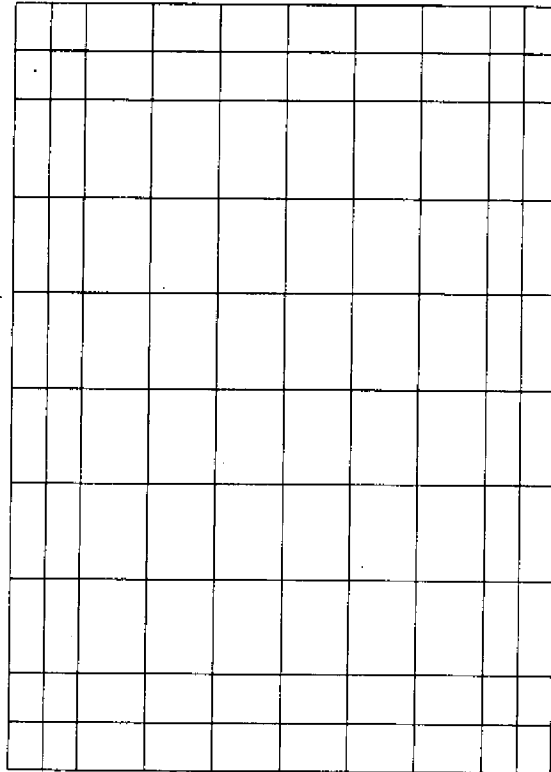
Y=

X=

Massachusetts State Grid, Island Zone

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.



*of planimetry*  
Areas ~~contoured~~ by various personnel  
(Show name within area)  
(II) (III)

100%

by

Michael G. Misulia

on

The Stereoplanigraph

## DATA RECORD

Field Inspection by (II): James A. Clear, Jr. Robert A. Horn	Date: 7 June 49 5 July 49
Planetable contouring by (II):	Date:
Completion Surveys by (II): <i>None</i>	Date:
Mean High Water Location (III) (State date and method of location): Shoreline taken from 1949 Field inspection as identified on field photographs exposed on 5 May 1948.	
Projection and Grids ruled by (IV): Ruling Machine	Date: 16 Aug. 48
Projection and Grids checked by (IV): Wheatly E. Ward Michael G. Misulia	Date: 16 Aug. 48
Control plotted by (III):	Date: 8 Nov. 49
Control checked by (III): John B. McDonald	Date: 9 Nov. 49
<del>Radial Plot</del> or Stereoscopic Control extension by (III): Michael G. Misulia	Date: 6 Dec. 49
<del>Radial Plot</del> or Stereoscopic Instrument <sup>delineation</sup> <del>completion</del> (III): <del>Contours</del> Michael G. Misulia	Date: 6 Dec. 49
<sup>Planimetry</sup> <del>Contours</del> Manuscript <sup>compilation</sup> <del>delineated</del> by (III): John B. McDonald	Date: 10 May 50
Photogrammetric Office Review by (III): Louis J. Reed	Date: 25 May 50
Elevations on Manuscript checked by (II) (III): No elevations	Date:



Camera (kind or source) (III): USC&GS, 6" f, Wide angle, "J" Camera

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
48J979 thru 48J1009	5 May 48	1530 thru 1552 (1541)	24,000	3.0' below MHW

Tide (III)

Reference Station: Boston, Mass.  
 Subordinate Station: Nantucket, Nantucket Island.  
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
0.3	3.0	3.6

Washington Office Review by (IV): *Roscoe J. French*

Date: *16 Aug 1950*

Final Drafting by (IV): *A Berry*

Date: *2-5-51*

Drafting verified for reproduction by (IV): *Halluin*

Date: *June 25-52*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 12.3 sq. mi.  
 Shoreline (More than 200 meters to opposite shore) (III): 19 miles  
 Shoreline (Less than 200 meters to opposite shore) (III): none  
 Control Leveling - Miles (II): none  
 Number of Triangulation Stations searched for (II): 47 Recovered: <sup>7</sup>19  
 Number of BMs searched for (II): none Recovered:  
 Number of Recoverable Photo Stations established (III): none  
 Number of Temporary Photo Hydro Stations established (III): none

Identified: 14  
 Identified:

Remarks:



N

T

U

C

K

E

T

S

O

U

N

D

Muskeget I

Gravel Islands

Smith Pt

Eel Pt

Maddaket LSS

Long Pond

Head of Hummock

Brant Pt

Nantucket

Nantucket Harb

Coatue Pt

Pimmys Pt

Shimmer Pt

Second Pt

Third Pt

Five Truncated Pt

Polpis Harb

Quaise Pt

Pocomo Head

Bass Pt

Wauwinet

Haulover Break

Wauwinet

Squam Head

Ovidnet

Sesachacha Pond

Sankaty Head

Siasconset

Tom Nevers Head

Forkeed Pond

Wigham Pond

Madagucham Pond

Nobadeer Pond

Great Mixes Pond

South Shore

Micomet Pond

Head of Hummock

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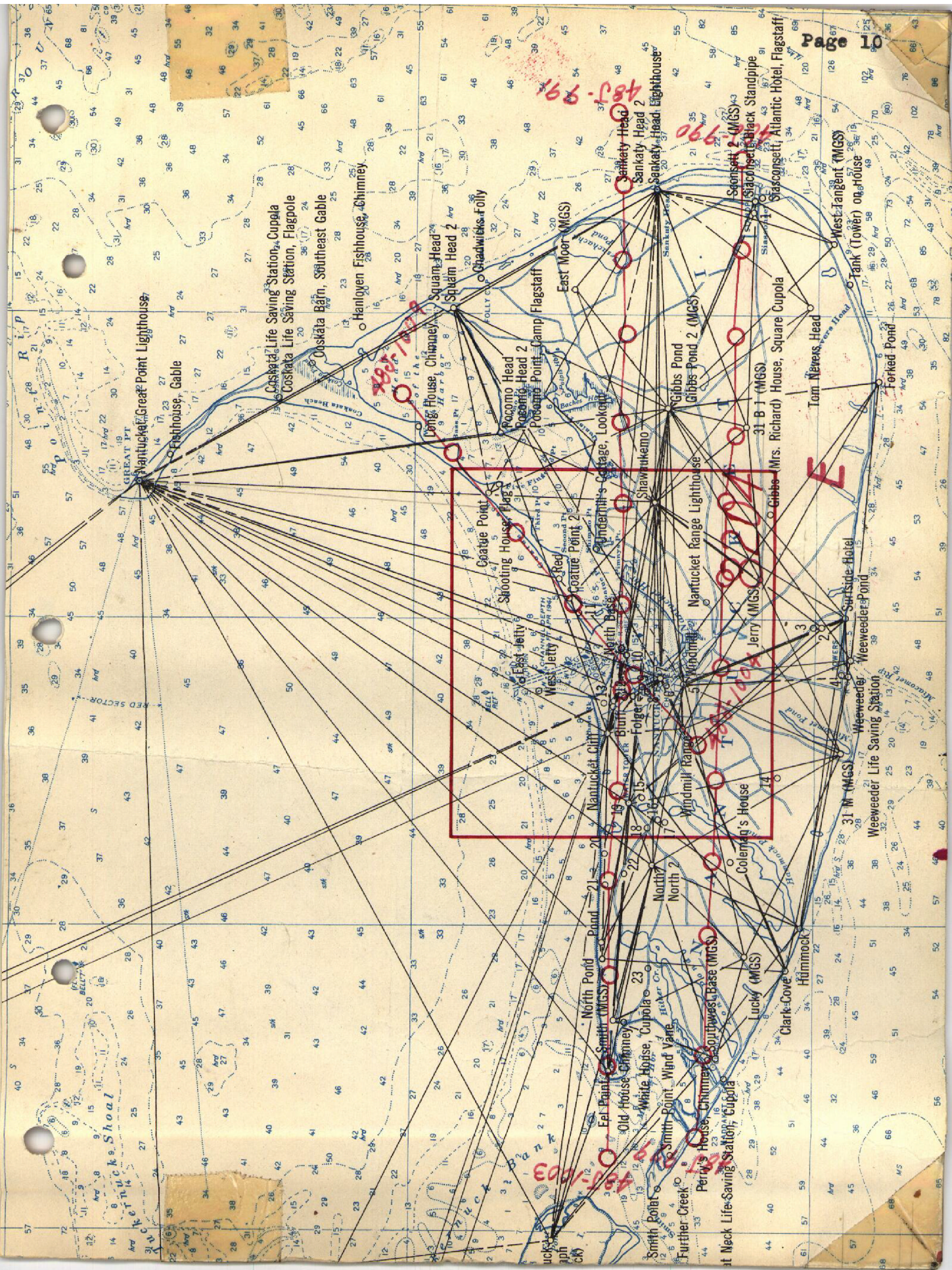
US&GS

US&GS

US&GS

STEAMSHIP FERRY





Nantucket Great Point Lighthouse

Coskata Life Saving Station, Cupola

Coskata Life Saving Station, Flagpole

Coskata Barn, Southeast Gable

Hanloven Fishhouse, Chimney

Squam Head 2

Squam Head 1

Goatue Point

Shooting House, Flag

Pocomo Head

Pocomo Head 2

Pocomo Point, Lamp

East Moor (MGS)

Sankaty Head

Sankaty Head 2

Sankaty Head, Eighthouse

Seamset 2 (MGS)

Seamset, Back Standpipe

Seamsett, Atlantic Hotel, Flagstaff

West Tangle (MGS)

Frank (Tower) on House

Tom Neveus Head

Forked Pond

Fishhouse, Gable

Coatue Point

Shooting House, Flag

Pocomo Head

Pocomo Head 2

East Moor (MGS)

Sankaty Head

Sankaty Head 2

Sankaty Head, Eighthouse

Seamset 2 (MGS)

Seamsett, Back Standpipe

Seamsett, Atlantic Hotel, Flagstaff

West Tangle (MGS)

Frank (Tower) on House

Tom Neveus Head

Forked Pond

Gibbs Pond

Gibbs Pond 2 (MGS)

31 B T (MGS)

31 B T (MGS)

Gibbs - Mrs. Richard) House, Square Cupola

Tom Neveus Head

Forked Pond

Surtside Hotel

Weeweeder

Weeweeder Pond

Weeweeder Life Saving Station

Coatue Point

Shooting House, Flag

Pocomo Head

Pocomo Head 2

East Moor (MGS)

Sankaty Head

Sankaty Head 2

Sankaty Head, Eighthouse

Seamset 2 (MGS)

Seamsett, Back Standpipe

Seamsett, Atlantic Hotel, Flagstaff

West Tangle (MGS)

Frank (Tower) on House

Tom Neveus Head

Forked Pond

Gibbs Pond

Gibbs Pond 2 (MGS)

31 B T (MGS)

31 B T (MGS)

Gibbs - Mrs. Richard) House, Square Cupola

Tom Neveus Head

Forked Pond

Surtside Hotel

Weeweeder

Weeweeder Pond

Weeweeder Life Saving Station

North Pond

Smith (MGS)

Smith (MGS)

Old House, Chimney

White House, Cupola

Smith Point, Wind Vane

Perry's House, Chimney

Southwest Base (MGS)

Lucky (MGS)

Lucky (MGS)

Clark Cove

Hummock

North Pond

Smith (MGS)

Smith (MGS)

Old House, Chimney

White House, Cupola

Smith Point, Wind Vane

Perry's House, Chimney

Southwest Base (MGS)

Lucky (MGS)

Lucky (MGS)

Clark Cove

Hummock

North Pond

Smith (MGS)

Smith (MGS)

North Pond

Smith (MGS)

Smith (MGS)

Old House, Chimney

White House, Cupola

Smith Point, Wind Vane

Perry's House, Chimney

Southwest Base (MGS)

Lucky (MGS)

Lucky (MGS)

Clark Cove

Hummock

North Pond

Smith (MGS)

Smith (MGS)

Old House, Chimney

White House, Cupola

Smith Point, Wind Vane

Perry's House, Chimney

Southwest Base (MGS)

Lucky (MGS)

Lucky (MGS)

Clark Cove

Hummock

North Pond

Smith (MGS)

Smith (MGS)

Smith Point

Further Creek

Perry's House, Chimney

Southwest Base (MGS)

Lucky (MGS)

Lucky (MGS)

Clark Cove

Hummock

North Pond

Smith (MGS)

Smith (MGS)

Old House, Chimney

White House, Cupola

Smith Point, Wind Vane

Perry's House, Chimney

Southwest Base (MGS)

Lucky (MGS)

Lucky (MGS)

Clark Cove

Hummock

North Pond

Smith (MGS)

Smith (MGS)

Old House, Chimney

White House, Cupola

Smith Point, Wind Vane

Perry's House, Chimney

Smith Point

Further Creek

Perry's House, Chimney

Southwest Base (MGS)

Lucky (MGS)

Lucky (MGS)

Clark Cove

Hummock

North Pond

Smith (MGS)

Smith (MGS)

Old House, Chimney

White House, Cupola

Smith Point, Wind Vane

Perry's House, Chimney

Southwest Base (MGS)

Lucky (MGS)

Lucky (MGS)

Clark Cove

Hummock

North Pond

Smith (MGS)

Smith (MGS)

Old House, Chimney

White House, Cupola

Smith Point, Wind Vane

Perry's House, Chimney



Summary to Accompany  
T-8204

T-8204 is the only <sup>shoreline</sup> ~~planimetric~~ map in project Ph-31(48), subproject E on Nantucket Island, Massachusetts.

Field inspection was accomplished in accordance with instructions for shoreline surveys, but the sheet was completed as a planimetric in the Washington Office.

Photographic coverage and field inspection is considered adequate, and horizontal control is sufficient.

T-8204 was compiled from single-lens photographs with the stereoplanigraph in the Washington Office.

The several mapping operations were as follows:

1. Single-lens photography at 1:24,000 for use in the stereoplanigraph at 1:15,000 plotting scale and ratio prints to 1:10,000 for field inspection.
2. Field work included recovery and identification of horizontal control, shoreline inspection and general annotation of the 1:10,000 scale ratio prints, and recommendation for landmarks.
3. Pencil compilation with the stereoplanigraph.
4. Reproduction on vinylite of the penciled compilation with subsequent inking and touch-up for legibility, and application and addition of field inspection notes and geographic names.
5. Final review and completion of the manuscript for drafting and reproduction.
6. Processing: The detail will be redrafted at manuscript scale on a blueline, and a lithographic black and white copy will be filed in the Bureau Archives when the sheet is registered.

Data pertaining to this survey (T-8204) will be filed and may be obtained as follows:

1. Filed in the Division of Photogrammetry
  - a) The map manuscript (acetate original) at 1:10,000 scale with final review corrections applied.

- b) Geographic Names Sheet
  - c) Pricking cards (horizontal control identification)
  - d) Topo station descriptions (Form 524) 3
  - e) Duplicate descriptive report
2. Filed in the Bureau Archives
- a) A cloth-backed lithographic print of T-8204  
at 1:10,000 scale
  - b) Descriptive Report

The above data are to be permanently registered under one number (T-8204). ~~when the planimetric map is published.~~

FIELD INSPECTION REPORT  
SHORELINE SHEET 8204 (1949)  
PROJECT Ph 31(48)-E

E. R. McCarthy, Chief of Party

All phases of the field work were done in accordance with the Director's Instructions, Project Ph 31(48), Field, dated 9 April 1948 and supplemental instructions on same, dated 25 April 1949.

The field work on these sheets was performed by the following personnel on the dates indicated:

<u>Name &amp; Title</u>	<u>Field Work</u>	<u>Dates</u>
James A. Clear, Jr. Cartographic Survey Aid	Shoreline, Inspection, Recovery, & Ident.	6/17/49 7/5/49
Robert A. Horn Cartographer	Shoreline, Inspection, Recovery, & Ident.	6/17/49 7/5/49

1. Description of the Area

The Area surveyed is the center portion of Nantucket Island. Water areas covered include Nantucket Harbor and the portions of Nantucket Sound immediately east and west of the protective Jetties leading to the Harbor. The town of Nantucket is the principal settlement within the project limits. Formerly one of the greatest whaling ports of the world, Nantucket today is the summer haven of many thousands of vacationists. Year round maintenance and operation of various recreational facilities provides the principal occupation for local residents. Nantucket Harbor provides an ideal home port for commercial fishermen.

The area may be reached by ferry from New Bedford or Woods Hole, Mass. Commercial Airlines also operate scheduled flights to and from the island providing access by air. There are no direct railroad or highway connections to Nantucket; the ferry transports all vehicular traffic; and its schedule is also conveniently arranged with bus or railroad service on the mainland.

## 2. Completeness of Field Inspection

It is felt that the field inspection of the area is completely and adequately covered on the photographs.

## 3. Interpretation of the Photographs

The photography is considered excellent. No difficulty was encountered in the interpretation of same.

## 4. Horizontal Control

A search was made for all horizontal control stations. Nineteen stations were recovered and fourteen identified. Twenty-eight stations, most of which were established in the 1890's, were either destroyed or lost. Form 526 is submitted regarding the status of each station. One new station was established at a critical position. The name of the station is FINGER 1949. Forms 24A, 525 and 250 are submitted with information on the station.

## 5. Vertical Control

Not applicable

## 6. Contours and Drainage

Not applicable

## 7. Mean High Water Line

No difficulties were encountered in determining the mean high water line. All changes since photography have been carefully delineated on the photographs.

## 8. Low Water Line

The approximate Low Water Line of part of the shores in this area was indicated by the standard symbol.

## 9. Wharves and Shoreline Structures

All Wharves and shoreline structures discernible on the photographs have been inspected and explained where necessary. Additional delineations were made as required.

10. Details Off-shore from Mean High Water Line

Areas foul with boulders have been delineated on the photographs.

The shore end of a submarine cable leading from Nantucket to South Beach, Martha's Vineyard has been shown on photograph no. 48 J 981. A letter has been submitted to the Division of Photogrammetry as explanation of same. Although not within the limits of sheet 8204 this information is submitted since this cable has not previously been charted. *Div. of Charts notified.*

11. Landmarks and Aids to Navigation

All Landmarks and fixed aids to navigation within the limits of this sheet were investigated. The recommendations for Landmarks have been submitted on Form 567.

12. Hydrographic Control

Not applicable

13. Landing Fields and Aeronautical Aids

There were no airports within the limits of this sheet.

14. Roads

The roads and trails were classified in accordance with Photogrammetry Instructions no. 10, dated 14 April 1947, and the amendment to the above dated 24 October 1947.

15. Bridges

There were no bridges crossing navigable waters in the limits of this sheet.

16. Buildings and Structures

It is felt that buildings and structures are adequately covered on the photographs.

17. Boundary Monuments and Lines

The boundary of the Brant Point Coast Guard Station has been delineated on photographic no. 48 J 998.



18. Geographic Names *614*

In accordance with the Project Instructions, a systematic investigation of Geographic Names was not made. Names were checked at critical points and particular attention was given to the items noted on the Preliminary Name Sheets that were supplied to the field party. The necessary information on names is recorded on the Preliminary Name Sheets or the Photographs.

*Final name sheet 7-15-49*

*↑ not available 7-15-49 L.H.*

Submitted:  
Date 7/5/49

Robert A. Horn  
Robert A. Horn  
Cartographer (Photo)

James A. Clear, Jr.  
James A. Clear, Jr.  
Cartographic Sur. Aid

*✓*

List of Horizontal  
Control for -  
~~NOTES TO COMPILER~~  
SHORELINE SHEET 8204  
PROJECT Ph 31(48)-E

E. R. McCarthy, Chief of Party

1. Horizontal Control

The following is a listing, of the horizontal control identified to control the radial plot.

Sheet 8204

FINGER - 1949 .....	Pricked Direct
EAST JETTY - 1910 .....	Pricked Direct
FRONT RANGE - 1910 .....	Pricked Direct
REAR RANGE - 1910 .....	Pricked Direct
GIBB'S (Mrs Richard) HOUSE SQUARE CUPOLA-1887..	Pricked Direct
BRANT POINT LIGHTHOUSE - 1910 .....	Pricked Direct
WATER TANK - 1901 .....	Pricked Direct
POCOMO HEAD-2 - 1932 .....	Sub. Station
GIBB'S POND-2 - 1935 .....	Sub. Station
NORTH-2 - 1894 .....	Sub. Station
31 M - 1935 .....	Sub. Station
JERRY - 1937 .....	Sub. Station
SHAWAUKEMO - 1875 .....	Sub. Station
SARAD - 1937 .....	Sub. Station
NANTUCKET UNITARIAN CHURCH, SOUTH TOWER-1835..	Pricked Direct

To be located during or after the radial plot:- A third point on the Nantucket Harbor Range

Robert A. Horn  
Robert A. Horn  
Cartographer (Photo)

James A. Clear, Jr.  
James A. Clear, Jr.  
Cartographic Sur. Aid



MAP T-820

PROJECT NO. Ph-31E (48)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.0

STATION	G.P. SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		1' DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FROM GRID OR PROJECTION LINE IN METERS	(BACK)	
FINGER, 1949	from Geodesy	N.A. 1927	41° 18' 53.968" 70° 03' 12.733"	5-513 Y 5137 5140-	1851.0 1395.6	1664.9 296.2	(186.1) (1099.4)		
FRONT RANGE, 1910	18	"	41° 17' 23.132" 70° 05' 34.277"		1851.0 1396.2	713.6 797.6	(1137.4) (598.6)		
REAR RANGE, 1910	18	"	41° 17' 20.878" 70° 05' 33.300"		1851.0 1396.2	644.1 774.9	(1206.9) (621.3)		
BRANT POINT LIGHTHOUSE, 1910	18	"	41° 17' 23.270 70° 05' 26.968"		1851.0 1396.2	717.9 627.5	(1133.1) (768.7)		
SHAWAUKEMO, 1875	9	"	41° 17' 01.187" 70° 03' 04.965"		1851.0 1396.3	36.6 115.5	(1874.4) (1280.8)		
SARAD, 1937 (MGS)	120	"	41° 16' 37.585" 70° 06' 05.915"		1851.0 1396.4	1159.5 137.7	(691.5) (1258.7)		
NANTUCKET UNITARIAN CHURCH, SOUTHWATER, 1835	8	"	41° 16' 56.098" 70° 05' 58.238"		1851.0 1396.3	1730.6 1355.3	(120.4) (41.0)		
JERRY, 1937 (MGS)	119	"	41° 15' 42.780" 70° 04' 22.595"		1851.0 1396.7	1319.7 526.0	(531.3) (870.7)		
NANTUCKET BAPTIST CHURCH, 1867	15	"	41° 16' 52.04" 70° 06' 07.16"		1851.0 1396.3	1605.4 166.6	(245.6) (1229.7)		
WATER TOWER, 1932	Geodesy	(Unadjusted)"	41° 17' 17.66" 70° 07' 59.71"		1851.0 1396.2	544.8 1389.4	(1306.2) (6.8)		



MAP T. 8201 PROJECT NO. Ph-31E(1,8) SCALE OF MAP 1:10,000 SCALE FACTOR 1.0

STATION	G.P. SOURCE OF INFORMATION (INDEX) page	DATUM	LATITUDE OR $\mu$ -COORDINATE LONGITUDE OR $x$ -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)		FORWARD	(BACK)	
1 "DIONIS" GRAVE STONE, 1894 XX	GP-pg.16 dts-512 page 7	NA.1927	41° 17'	08.75"	70 07	56.12	1857.0	269.9	(1581.1)	
2 TANK, 1935 (MGS) XX	GP-pg.120 dts-512 page 6	"	41 17	17.193	70 07	59.605	1857.0	530.4	(1320.6)	
3 CLIFF HOTEL, CUPOLA, 1893 XX	GP pg.14 Dts-512 page 7	"	41 17	23.132	70 06	18.184	1857.0	713.6	(1137.4)	
4							1396.2	430.7	(966.1)	
* POCOMO HEAD 2, 1932	31	"	41 18	56.461	70 01	57.325	1857.0	1741.8	(109.2)	
* GIBBS POND 2, 1935	119	"	41 16	53.028	70 01	31.594	1395.6	1333.3	( 62.3)	
* 7 NORTH 2, 1894	14	"	41 17	01.866	70 09	02.787	1857.0	1635.9	( 215.1)	
* 8 TIM, 1935. (MGS)	119	"	41 14	40.540	70 07	12.054	1396.3	735.3	( 661.0)	
9							1857.0	1250.6	( 600.4) *Outside limits.	
10 XX - Not field identified							1397.1	280.7	(1116.4) Used for control	
11 * The geographic position of these stations <sup>1/2</sup> be outside the detail limits of this Survey										

## Compilation Report

20-30. Radial Plot Report:

No radial plot was required in the method used to ~~complete~~<sup>execute</sup> this project and therefore no report is submitted.

31. Delineation:

The delineation of this ~~quadrangle~~<sup>map</sup> was accomplished on the stereoplanigraph. Field inspection was adequate except for the inland area where no inspection was made; original instructions called for a shoreline survey. Interior roads and wooded areas should be covered during field edit.

(There will be no field edit of This map)

32. Control:

Reference is made to side-heading No. 3 in the field inspection section of this report.

Four (4) additional stations have been added to the twenty-eight (28) reported destroyed or lost and recommended for deletion from the records by the field inspector. During instrument delineation conditions regarding these four (4) stations were discovered, as listed below, and the total was upped to thirty-two (32) stations to be eliminated.

## 1. GIBB'S (Mrs. Richard) HOUSE, SQUARE CUPOLA, 1887

The plotted position of this station lies about one half mile east of the house identified on the field photographs and positioned during instrument delineation. No building exists in the vicinity of the plotted station and therefore it should be considered as "lost".

## 2. BRANT POINT LIGHTHOUSE, 1867

This light was removed and placed in newly built structure in 1901 and established as a station in 1910. Both stations were recovered in good condition by the field inspector who submitted a recovery card (form 526) for both even though the old station had already been stricken from the records in favor of the new position of the lighthouse. For this reason one of the nineteen (19) stations reported recovered in sub-heading No. 3 must be transferred to the list of "lost" stations. The old lighthouse tower still exists and is shown as a topographic station on the manuscript titled, "Old Tower", 1949.

## 3. EAST JETTY, 1910

The fieldman's recovery note (form 526) on this station is contradicted by the light list which reports the light as being rebuilt in 1919. Therefore it is recommended that the station be deleted from the records

Terms such as those underlined in red are very misleading. In this instance they mean - not included on Forms M-2388-12 attached to this Report. Div. of Geodesy indicated that stations such as "Old Tower" 1949 are neither considered lost as triangulation stations nor are they removed from their records. H.R.B.



However, because it has been rebuilt in almost the same position, as found by Geodesy when computing observations from the 1949 station FINGER, the present structure is considered to be in agreement with the position to an accuracy suitable to permit the station to serve as a topographic station, and it has been shown on the manuscript as such, labeled, "Nantucket East Breakwater Light", 1949.

#### 4. WATER TANK, 1887

A water tank other than this station was recovered in good condition, see form 526. The 1887 tank is considered destroyed and is recommended for deletion from the records. A standpipe has been constructed about 100 feet south of the position for the 1887 tank and it is positioned by Geodesy under the name, WATER TOWER, 1932. Since the new position held with the balance of the control during instrument delineation, the above statements are verified.

The field inspector accounted for forty-seven (47) stations in his report (see sub-heading No. 3), 32 of which now have been established as useless as control. The balance of fifteen (15), plus FINGER, 1949, and WATER TOWER, 1932, both of which were not accounted for at the time in the field, totals seventeen (17) triangulation stations that are recoverable in the field. Three (3) of seventeen (17) were not field identified, leaving the other fourteen (14) to control the survey. Further, four (4) of the four <sup>ten</sup> (14) fall outside the limits of the quadrangle, and therefore are not shown on the manuscript. ~~as are the~~ Ten (10) that do plot inside the sheet, plus the three (3) unidentified stations. All seventeen (17) recoverable stations are listed on two (2) control sheet forms M-2388-12 elsewhere in this report and the four (4) stations off limits have been properly identified thereon.

Seventeen (17) control station identification cards (M-2226-12) were submitted by the field inspector. However, only twelve (12) were for twelve (12) of the seventeen (17) recoverable stations mentioned in the paragraph above, leaving a balance of five (5), only two (2) of which could be identified from descriptions and used as control for the map. Seven (7) of the recoverable stations had sub-stations established for them in the field for office use of the stations as control. Except for one (1), they are identified on the control lists in this report. That one <sup>is</sup> exception was JERRY, 1937, which was discovered to be in error; the sub-station was based on a false pointing.



33. Supplemental Data:

Inapplicable.

34. Contours and Drainage:

Inapplicable.

35. Shoreline and Alongshore Details:

See side-heading 7 of the field inspection section in this report. MHW and approximate MLW lines have been compiled as positioned by the field man on the inspection photographs. The field inspection of the shoreline was considered adequate except for one named rock which was over-looked in the field but added to the manuscript in the office, *(Whale Rock)*

36. Offshore Details:

No offshore details were located by fixes in the field.

A control station identification card was submitted by the field inspector locating the shoreline end of a telephone cable on Nantucket Island, the other end being on Martha's Vineyard Island. The photo-identified position was not compiled since it fell outside the limits of this quadrangle; the field inspector knew this fact and said so on the back of the card. He also knew the cable had not been charted and submitted the information anyhow. The information has been offered to Mr. Streeter of Nautical Charts, 28 April 1950.

37. Landmarks and Aids:

Reference side-heading No. 9 and two forms 567 elsewhere in this report. All seven (7) landmarks and aids have been shown on the manuscript as either triangulation stations or topographic stations. The two (2) that are topographic stations are labeled on the manuscript, "Old Tower",<sup>1944</sup> and "Nantucket East Breakwater Light",<sup>1949</sup>.

38. Control and Future Surveys:

A total of three (3) topographic stations have been shown on this manuscript. One is a point on the Nantucket Harbor Range as identified by the field inspector and positioned by the stereoplanigraph operator. The other two are old triangulation stations, now destroyed as such, which are sufficiently accurate to be useful as topographic control; see items No. 2 and No. 3 above, BRANT POINT LIGHTHOUSE, 1867, and EAST JETTY (LIGHT), 1910. T & H cards (form 524) exist for all three (3) stations.

39. Junctions:

None.

40. Horizontal Accuracy:

Standard.

46. Comparison With Existing Maps:

- a. Siasconset Quadrangle, Massachusetts, 1:31,680, edition of 1945, USGS.
- b. Nantucket Quadrangle, Massachusetts, 1:31,680, edition of 1945, USGS

47. Comparison with Nautical Charts:

- a. Nantucket Harbor, Chart No. 343, 1:10,000, April 1936, 7th Edition, USC&GS.

48. Geographic Name List.

See separate form M-234s included in this report.

49. Notes for the Hydrographer:

Inapplicable

50. Compilation Office Review:

See separate T-2 form.

Stereoscopic Delineation by:



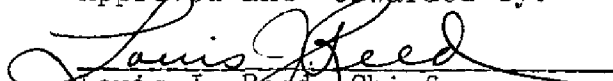
Michael G. Misulia  
Cartographer - Photogrammetric

Manuscript Compilation by:



John B. McDonald  
Cartographic Aid - Photogrammetric

Approved and Forwarded by:



Louis J. Reed, Chief,  
Stereoscopic Mapping Section



GEOGRAPHIC NAMES

Survey No.

T-8204  
Page 1  
Name on Survey

On Chart  
No.

On previous survey  
No.

On U. S. quadrangle  
Maps

From local  
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

Page 17

Name on Survey	A	B	C	D	E	F	G	H	K
Abrams Creek									1
Atlantic Avenue									2
Bartlett Street									3
Bartlett Road									4
Brant Point									5
Cliff Road									6
Cliffside Clubhouse									7
Coatue Beach								USGB	8
Coatue Point								USGB	9
Crooked Lane									10
De Wole Avenue									11
East Jetty									12
Easton Street									13
Fairground Road		2 words							14
First Point									15
Five Fingered Point									16
Foot Ponds									17
Friends Cemetery									18
Fulling Mill Creek									19
GOSNOLD ROAD									20
Head of Hummock									21
Hummock Pond									22
Hummock Pond Road									23
Hulbert Avenue									24
Larraby Swamp									25
Lovers Lane									26
Straight Wharf									27
Old North Wharf									28
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									100

Island Service Wharf  
(Old South Wharf)

GEOGRAPHIC NAMES

Survey No.

T-8204

Page 2

Name on Survey

On Chart No.  
 On previous survey No.  
 On U. S. Quadrangle Maps  
 From local information  
 On local Maps  
 P. O. Guide or Map  
 Rand McNally Atlas  
 U. S. Light List

	A	B	C	D	E	F	G	H	K
Macys Lane									1
Maddacket Road									2
Miacomet Road									3
Milestone Road									4
Millbrook Swamp									5
Monomoy									6
Nantucket									7
Nantucket Cliffs									8
Nantucket Harbor									9
Nantucket Island									10
Nantucket Sound									11
<del>Nantucket</del> Memorial Airport									12
New Milk Street									13
New South Road									14
Nobadeer Road									15
No Bottom Pond									16
North Beach Street									17
Old North Cemetery									18
Old South Cemetery									19
Old South Road									20
Orange Street									21
Pleasant Street									22
Pimmys Point									23
Prospect Hill Cemetery									24
Polpis Road									25
<i>Commercial Wharf</i>									26
<i>Steamboat Wharf</i>									27

GEOGRAPHIC NAMES

Survey No.

T-8204

Page 3

Name on Survey

	A	B	C	D	E	F	G	H	K
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
Reed Pond									1
Rotten Pumpkin Pond									2
Second Point									3
Shawaukemo Hills			(Pending with USBGN)						4
Shimmo Creek								USGB	5
Shimmo Point									6
Shimmo Road									7
Somers <del>Street</del> Road									8
Somers <del>Street</del> Street									9
Sparks Avenue									10
St. Marys Cemetery									11
Third Point									12
Vesper Lane									13
Vestal Street									14
West Chester Road									15
West Jetty									16
The Creeks									17
<sup>No.</sup> C.G. No. 47 Brant Point Life Boat Station									18
Nantucket Yacht Club									19
Cyrus Pierce School									20
Wannaomet Road									21
									22
									23
									24
									25
									26
									27

----- s/ L. Heck 8-1-50

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

~~NON-OVERTAKING AIDSOOR LANDMARKS FOR CHARTS~~

~~TO BE CHARTED~~  
~~XXXXXXXXXXXX~~

STRIKE OUT ONE

Nantucket Island

27 June 1949

I recommend that the following objects which have ~~(insert X)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(insert X)~~ the charts indicated.

The positions given have been checked after listing by James A. Clear, Jr.

Robert A. Horn  
Sub-Chief of Party.

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE		LONGITUDE		DATUM						
			°	'	°	'							
MASSACHUSETTS WATER TOWER	<del>Nantucket Water Tower</del> <del>Water Tower, Standpipe</del>	△	41-17	544.8	70-07	1389.4	N. A. 1927	Tri. 8204	1932			X	1209
CH. TOWER	Unitarian Ch. Tower	△	41-16	1730.6	70-05	1355.3	N. A. 1927	Tri. 8204	1835	X		X	1309 343
OLD TOWER (Aband. L.H.)	Old Lighthouse Tower (Aband. L.H.) on Brant Point	T	41-17	696.5	70-05	807.8	N. A. 1927	Tri. 8204	1867	X			343

Applied to ch. 343 via Letter 226 (1953)

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Nantucket Island

27 June 1945

I recommend that the following objects which have ~~(been)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the charts)~~ the charts indicated.

The positions given have been checked after listing by James A. Clear, Jr.

R. A. HORD  
Sub-  
Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE							
				°	'	D. M. METERS	°						
Massachusetts	FR-VIS. 10 ms. BRANT POINT LIGHTHOUSE	▲		41-17	717.9	70-05	627.5	NA 1927	8204	1910	X	X	1209 343
*	NANTUCKET, EAST												
FL-EV. 4 sec. BREAKWATER LIGHT	T			41-18	1128.2	70-06	47.9	"	**	1910	X	X	1209 343
F	NANTUCKET HARBOR RANGE, FRONT	▲		41-17	713.6	70-05	797.6	"	"	1910	X	X	1209 343
F	NANTUCKET HARBOR RANGE, REAR	▲		41-17	644.1	70-05	774.9	"	"	1910	X	X	1209 343
	* This light is reportedly to be changed to FL. G. on 7/5/49												
	** This station was rebuilt in 1919. However, it is believed to be in almost the same position as listed above. It is listed as EAST JETTY, 1910.												
	<i>Applied to chart 343 via letter 200 (1950)</i>												

PHOTOGRAMMETRIC OFFICE REVIEW

T-8204

- 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)
- 7. Photo hydro stations 71
- 8. Bench marks 71
- 9. Plotting of sextant fixes 71
- 10. Photogrammetric plot report 71
- 11. Detail points 71

ALONGSHORE AREAS

(Nautical Chart Data)

71 = none

- 12. Shoreline
- 13. Low-water line
- 14. Rocks, shoals, etc.
- 15. Bridges 71
- 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 71
- 23. Stereoscopic instrument contours 71
- 24. Contours in general 71
- 25. Spot elevations 71
- 26. Other physical features

CULTURAL FEATURES

- 27. Roads
- 28. Buildings
- 29. Railroads
- 30. Other cultural features

BOUNDARIES

- 31. Boundary lines 71
- 32. Public land lines 71

MISCELLANEOUS

- 33. Geographic names
- 34. Junctions 71
- 35. Legibility of the manuscript
- 36. Discrepancy overlay
- 37. Descriptive Report
- 38. Field inspection photographs
- 39. Forms

40. \_\_\_\_\_

Reviewer

Supervisor, Review Section or Unit

*Louis J. Reed, Chief*  
*Stereoscopic Mapping Section*

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:

Review Report  
 Shoreline ~~Planimetric~~ Map  
 16 August 1950

61. General Statement.-Field inspection of the photographs was done in accordance with instructions for shoreline surveys. However, office compilation has been completed to planimetric specifications, ~~and the sheet will be published as a planimetric map.~~

62. Comparison with Registered Topographic Surveys.-

T-205	1:10,000	1846-56-65
T-206	"	1846
T-1815	"	1887
T-1818	"	1887-1902
T-2597	"	1902

Whale Rock was not field inspected and cannot be identified on this survey. With this exception this survey supersedes the above listed surveys for nautical charting purposes.

63. Comparison with Maps of Other Agencies.-

Nantucket, Mass.,	30 minute	AMS	1:125,000	1943 edition
Nantucket, Mass.,	7½ minute	USGS	1:31,680	1945 edition
Siasconset, Mass.,	7½ minute	USGS	1:31,680	1945 edition
Nantucket, Mass.,	7½ minute	AMS	1:25,000	1947 edition
Siasconset, Mass.,	7½ minute	AMS	1:25,000	1947 edition

The office classification of interior roads on this survey compares favorably with that on the quads. The most significant difference between T-8204 and the quads is on Sandy Coatee Pt. and Coatee Beach where the shoreline has changed. *Roads reclassified to conform to specifications for roads on shoreline surveys. K.H.M. 5/25/51*

64. Comparison with Contemporary Hydrographic Surveys.\* None

65. Comparison with Nautical Charts.-

343	1:10,000	49 - 2/21
1209	1:80,000	48 - 8/23

No disposition could be made of Whale Rock north of Nantucket Cliffs. It was not inspected by the field party and cannot be seen on the low water photographs. Likewise the rocks awash in the harbor midway between Shimmo Pt. and Coatee Pt. and the extensive rocks off Pimnys Pt. cannot be seen on the photographs. The trail shown on 343 cannot be delineated completely on Coatee Point.

The cable area at Brant Pt. has a different alignment and the cable to the north toward East Breakwater Light is declared non-existent by the field party.

It would seem the extensive use of the hachures shown on 343 tends to exaggerate these features and has not been shown on this survey.

Positions are listed on Form 567 for fixed aids and landmarks in the area.

The white daybeacon off the ruins of Old North Wharf was not field inspected and no disposition of it was made on Form 567. No image can be seen on the photographs and it is presumed abandoned in view of the ruins nearby although it is still listed as privately maintained in the 1950 Light List.

66. Adequacy of Results and Future Surveys.-No boundaries for the Nantucket State Forest were furnished by the field party.

No field edit was made of this survey.

Except for the inadequacies listed above the map fulfills the obligations adequately for a ~~planimetric~~ <sup>stereometric</sup> map and complies with instructions set forth for this project, with Bureau Policy and with the National Standards of Accuracy.

Reviewed by:

Roscoe J. French  
Roscoe J. French

APPROVED

S. V. Griffith  
Chief, Review Section B  
Div. of Photogrammetry

H. Edmonstone  
Chief, Nautical Chart Branch  
Division of Charts SFU

O. S. Reading  
Chief, Div. of Photogrammetry

Carl O. Heaton  
Chief, Div. of Coastal Surveys  
#RT