

5610

Diag. Cont. No. 1208-Z

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. T-5610 Office No. T5610

LOCALITY

State MASSACHUSETTS

General locality Buzzards Bay

Locality Onset Bay to Cape Cod Canal

Photographs taken July 1938

1941

CHIEF OF PARTY

L. W. Swanson

LIBRARY & ARCHIVES

DATE August 20, 1943

B-1870-1 (1)

T5610

Applied to chart 251 April 4, 1941 K.R.

" " " 249 May 14, 1941 K.R.

Compared with chart 1210 after review - no correction - JFW 6/5/44

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. T5610

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 No. T-5610

REGISTER NO. T5610

State MASSACHUSETTS

General locality Buzzards Bay

Locality Onset Bay to Cape Cod Canal

Scale 1:10,000 Date of ~~EXPOSURE~~ Photos 16 38 July 14, 1934

Vessel Air Photographic Party No. 2

Chief of party L.W. Swanson

Field Inspection--F.J. Bryant & I.M. Zeskind
Surveyed by Radial Plot--- I.M. Zeskind & W.E. Schmidt

Inked by W.E. Schmidt- (Rough Draft)

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated 8/15/39, 8/28/39, 11/3/39, 19____

Remarks: _____

PHOTOGRAPHS

Nos.	Date	Time-A.M.	Scale	Alt.	Stage of tide*
2349-54	7/16/38	11:00-11:20	1/10,000	unknown	About 3.45 ft.
2363-66					above M.L.W. for
2368					all photos
2370					listed.

Single lens photos Nos 1A to 12A and 15 13 taken 7-5-39

*Tide from predicted tables. Cape Cod Canal Entrance(Buzzards Bay), mean range 4.1 ft., spring range 5.1 ft. (Page 219)

Camera: U.S. Coast & Geodetic Survey nine lens camera.

Focal length $8\frac{1}{2}$ inches. Negatives on file in Washington Office.

SUPPLEMENTAL SURVEYS

Graphic control surveys----none

Hydrographic surveys-----none

Field inspection----F.J. Bryant-11/16/39-12/16/39 & 5/2/40-5/6/40

I.M. Zeskind--6/40

GENERAL INFORMATION

Chief of Party---L.W. Swanson

Dunich

Projection by--Washington Office--Ruling Machine-J.P. Dunich-Date unknown

Projection checked by--Washington Office-----Date unknown

Hydrographic signals-on field inspection photos pricked by--F.J. Bryant
I.M. Zeskind

Hydrographic signals on office photos pricked by--W.E. Schmidt, I.M. Zeskind 11/40

Additional hydrographic signals on office prints pricked by--W.E. Schmidt 11/40

Main radial points on office photos pricked by---F.R. Pollock--10/40

Additional radial points pricked by---W.E. Schmidt---11/40

Control plotted by--F.R. Pollock---10/20/40

Control checked by--J.L. Rihn---10/23/40

Radial plot by---I.M. Zeskind & W.E. Schmidt --10/25/40 to 11/3/40

Compiled by---W.E. Schmidt

Shoreline inked by---W.E. Schmidt

Interior detail inked by--W.E. Schmidt (Rough draft) 11/18/40 to 1/31/41

STATISTICS

Area (land)

Shoreline(more than 200 m. from opposite shore)

Shoreline (less than 200 m. from opposite shore)

Roads, streets, streams, trails & railroads(miles)

Total time required for detailing(working days)

(Shoreline & interior)

19.0 Sq. statute miles

33.0 statute miles

6.0 statute miles

145.0 statute miles

46 days

REFERENCE STATION

Onset #2 1936 adjusted N.A. datum 1927

Latitude: 41° 45' 00.691" 21.3 m. ✓ (Page 105-Geographic Positions)

Longitude: 70° 38' 40.882" 944.6 m. adjusted

X coordinate: = 833,398.59 FT.

Y coordinate: = 274,536.29 FT.

1a
T5610

DATE OF SURVEY

Details on T 5610 are of the dates of the nine lens photographs, 7/16/38, except as follows:

1. The Mashnee, Hog Island, and Stoney Point Dykes were taken from U. S. Engineer Blueprints of 1939. These blueprints have been turned over to the Nautical Chart Section.

2. Changes in the Cape Cod Canal since the date of the photographs as noted by Field Inspection between December 1939 and June 1940 and in August 1941.

The single lens photographs covered only the new dikes listed under 1. above. They were used for field inspection and in studying the area but not in compiling the details.

Descriptive Report
to accompany
AIR PHOTOGRAPHIC SURVEY SHEET NO.T-5610
STATE OF MASSACHUSETTS

2
T5610

Buzzards Bay-Onset Bay to Cape Cod Canal

DATE OF THIS REPORT.....Feb. 3, 1941

INSTRUCTIONS:

This rough draft map drawing is a part of project ~~HT227~~ HT227 dated August 15, 1939 and supplemental instructions contained in the Director's letter dated Nov.3, 1939. Instructions to make rough draft were dated August 28, 1939.

CONTROL:

The control consists of stations shown on this sheet by the triangulation symbol. The following is a list of the control and its sources:

U.S.C& G.S.	Massachusetts Geodetic Sta.
Onset #2-1936	148X-1940 ✓
✓ Temple Onset-1917	148S-1940 ✓
Yellow Ho., South chy. pipe-1917	M6DA-1938 ✓
Windmill, Maroon Tank,-1917	M28NUA-1938 ✓
White Tank, Monument Beach-1932(unadj.)	M28NV-1938 ✓
White Tank, Toby's Range-1932(unadj.)	M28NX-1938 ✓
Rock 2, 1932 (unadj.)	M28NY-1938 ✓
Black Tank, Toby Island-1932(unadj.)	M28XB-1938
Front Range Beacon, Toby Island(unadj.)	M28XD-1938
1932	Stockton-1932-see below
Onset-1932(unadj.)	

Station Stockton-1932 is a U.S.E. station but final results were taken from M.G.S. computations.

RADIAL PLOT:

The radial plot for sheets No. T-5610 & T-5611 was run in the usual manner. Templates were made of the photos. These were layed on dummy sheets and after the plot was run all radial points were transferred to the smooth sheets. Tilt was computed for the following photos, new centers were pricked on the photos and noted as such and the templates redrawn.

Photo	Tilt
2349	36'
2354	1-13"
2351	1-53"

The center and outer chambers of photo No. 2351 were found to be badly twisted(first photo received from Washington Office).

A new photo was ordered and was received in time to be layed separately so as to be of use in detailing the sheet.

All difficulties which arose during the orientation of the photos, were noted directly on same.

All cuts which were close to the center of the photos and turned out to be wild cuts were ignored. *This is because a apparently*

means cuts on the center prints which were not transformed correctly in some cases.

* Details shown in blue on TS610 have been
^{implied} shown in black and will be shown on the finished
air photographic survey until proof of changes are
forwarded to the office.

DETAILING:

The area within this sheet was well covered by the photographs except the extreme northern limit and the N.W. corner which was labeled for identification and was not detailed.

Sections of this sheet that required too much adjustment due to scale differences were mapped with the aid of the projector.

Where difficulties arose in the detailing of this sheet, notes were made either on the photos or directly on the smooth sheet for convenience.

Due to the lack of town maps, all streets could not be properly identified by name. Field inspection in most cases lacked this information. In some cases the word street or avenue was left off because no definite information was available.

Where possible all buildings along the shoreline were shown. In the towns the public buildings were shown and labeled. In sections outside the town limits all buildings were shown except small outbuildings.

On most of the inspection of roads on the photos the classification was either noted as 1st class or 2nd class. This was not enough information in order for us to call for a D.F.L., D.D.L. or trail. All possible information was gathered from quad sheets, charts, blue prints, town maps, etc., before finally noting the type road.

Symbols on the field inspection photos were in some cases slightly misused and had to be interpreted in the best possible manner. Ink used on some of the field inspection photos has completely worn off and could not be interpreted.

Due to the hurricane of Sept. 21, 1938 and the subsequent year, there was a marked difference in the shoreline as that shown on the photos that were taken July 16, 1938. Differences were noted on the field inspection photos.

Contradictions which occurred on the field inspection photos and other difficulties were discussed with Mr. I.M. Zesking who made a partial inspection in this area and after comparisons with other maps a final decision was reached and the detail shown accordingly.

Detail along the canal was shown as inspected. Blue ink in the canal section shows conditions at the time the photos were inspected. Subsequent dredging and repair work has probably altered these conditions. According to the field inspection the canal has rip rap on both sides throughout its entire length. The medium heavy line (black) shows the top of the rip rap. (See opposite page *)

Single lens photos obtained by F.J. Bryant from the U.S.E. were useful in compiling this sheet. The collimation marks on these single lens photos were partially masked. The cross banners shown on the single lens photos were used in checking some of the radial points. These cross banners are shown on this sheet with red circles and a few of the U.S.E. pluses noted. The distance between these cross banners as shown on this sheet do not scale properly and should be considered very approximate. These cross banners were located on this sheet with the use of the projector. This required in some cases two reductions of the single lens photos.

A new tank, Monument Beach was located approximately on the field inspection photos but could not be definitely pricked on the office prints due to foliage and therefore could not be radially established. This tank was recommended for Landmarks for Charts. Would affect Charts No. 251 & 1210 & 1208. Tank to be located by hydrographic party.

It is recommended by this party that a print of this sheet be taken in the field and the classification of roads be rechecked.

**** In the detailing of Hog Island, Mashnee Island, Rocky Pt., and Stony Pt. Dexas U.S.E. stations were used as control.**

***** These are triangulation positions from Bms. 15, and 16 and for Phenniys Harbor rear range. These triangulation stations have been plotted and shown by Δ symbol. The radial plot position of these stations varied by from 0.2 to 0.7 mm.**

These stations were computed in this office and the difference was from 0.2 to 0.6 mm of the radial plotted position. These differences are within the accuracy of a radial plot, therefore, the U.S.E. positions have been accepted as correct and have been plotted on this air photographic map by this office. These computations are attached to the back of this report as a part of the review. The positions on the Form 524 descriptions have been corrected to agree with the computed positions.

In the detailing of the Hog Island, Mashnee Island, Rocky Pt. and Stony Pt. Dikes, the surveys as issued by the U.S.E. were used and notes this fact were put on the smooth sheet. This also required about three reductions of the original survey drawing, by the use of the projector. *See opposite page ***

The following beacons located in the S.W. entrance to the Cape Cod Canal, Buzzards Bay, which did not agree with the G.Ps were plotted radially, as they appear to have been rebuilt at new locations: Nos. 3, 4, 5, 6, 7, 9, 11, 12, 13, 15, 16, 18 & Phinneys Harbor Rear Range. Beacon No. 24 is shown as existing on the field inspection photos *See opposite page **** but could not be pricked on the office prints.

Additional hydrographic signals were pricked (corner of docks) where necessary. Hydrographic signals as shown on some of the field inspection photos were in some cases ~~IMPOSSIBLE~~ impossible to prick due to the written information having disappeared.

Wherever possible all maps, plats etc. were used to detail streets which could not be detailed from the photos due to foliage. In many cases the maps, plats etc. could not be used due ~~TO~~ to the difficulty in orienting them under the rough draft sheet.

There are streets on Onset Island as shown on a sewerage plan of Wareham, but these could not be shown on the rough draft sheet accurately enough.

The following U.S.E. stations appear in the area covered by this sheet but could not be used for control due to apparent discrepancy in the coordinates furnished by the U.S.E.D. These stations were radially plotted and the positions were thus determined. Shown with $2\frac{1}{2}$ mm. circle. Station 385 00-1939-1940 Cape Cod Canal center line offset station.

New Taylor-1940

New Sears-1940

South Toby-1939-1940

New Agawam-1939-1940

Cards (form 524) have been submitted with this report for these stations. ** See opposite page*

BRIDGES:

Information on bridges on this sheet was taken from a ~~REMARKS~~ special report. Bridges not covered by this report (special) were taken from the "U.S. Coast Pilot" and "List of Bridges over Navigable Waters of the U.S." Bridges not listed in the above were taken from field inspection notes. All differences were noted on the rough draft sheet by special notes.

FIELD INSPECTION:

A special report on the field inspection has been submitted by H.C. Warwick, Chief of Party (Motor Vessel Gilbert). Additional field inspection by I.M. Zeskind-June, 1940 *This report is filed in the air photo unit.*

RECOVERABLE HYDROGRAPHIC & TOPOGRAPHIC STATIONS:

These stations were indicated by the proper symbol on this sheet by a $2\frac{1}{2}$ mm. circle. Cards (form 524) are included in this report showing the location (enlarged) of these stations whenever the field inspection notes submitted the description and sketches for ~~REXX~~ same.

GEOGRAPHIC NAMES:

Geographic names shown on this sheet are listed on form M234 in the appendix. Names of beacons listed from "Light List 1938" whenever possible. Field inspection of names by Ensign Fair J. Bryant. Listed on form M234 by W.E. Schmidt.

COMPARISON WITH PREVIOUS CHARTS: Surveys

T-1530- So many changes have been made in this area since this survey was made, a good comparison could not be determined between it and T-5610.

COMPARISON WITH PREVIOUS CHARTS:(CONTINUED)

Chart 1208- This chart is to a 1/80,000 scale and comparison was not made.

Chart 1210- This chart is to a 1/80,000 scale and comparison was not made.

Chart 251- Land features and general shoreline compared favorably except the Stony Pt. Dike, Hog Island & Mashnee Island Dike & Rocky Pt. & Hog Island Dike. The Cape Cod Canal as shown on chart 251 has now been widened and straightened as shown on sheet T-5610.

JUNCTION:

This sheet joins the following map drawings;

T-5611 to the N.E.

T-5609 to the south

Junction was made with T-5611 and is in agreement.

Sheet T-5609 has not been started.

LANDMARKS FOR CHARTS:

Landmarks for charts from this sheet are listed on form 567 in the appendix.

RECOMMENDATION FOR FUTURE SURVEYS:

As previously stated the detail was not completed in the N.W. corner of this sheet due to the lack of photographs. It is recommended that the sheet to the west of T-5610 include this area. However except for the above this sheet is believed to be complete in all detail of importance for charting and no additional surveys are necessary except the one suggested for the reclassification of roads.

REMARKS:

An overlay sheet was made for this map drawing because it was impossible to letter some of the information directly on the rough draft sheet, due to the lack of space.

The probable error is not greater than 5 meters for all radial points and well defined objects along the water front and well controlled areas. The error of other detail of importance on this sheet is probably not greater than 10 meters where our radial points were determined from 3 or more photos.

Respectfully submitted,

W.E. Schmidt
W.E. Schmidt,
Photogrammetric Aid(Field)

Forwarded Approved
L.W. Swanson, Chief of Party

Date.....
L.W. Swanson

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

**TO BE EXCHANGED
TO BE DELETED**

STRIKE OUT ONE

LANDMARKS FOR CHARTS

Baltimore, Md. Feb. 3, 1941

INDEX

I recommend that the following objects which have (*have not*) been inspected from seaward to determine their value as landmarks, be charted on (*deleted from*) the charts indicated.

The positions given have been checked after listing.

DOCTRINE • **ART**

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

TO BE CHARTED }
~~NOT TO BE DELETED~~ }
STRIKE OUT ONE

Baltimore, Md. Feb. 3, 1941, 1941

I recommend that the following objects which have (*have not*) been inspected from seaward to determine their value as landmarks, be charted on (*deleted from*) the charts indicated.

The positions given have been checked after listing.

L.W. SWENSON.

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION					METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM						
		° ' "	D. M. METERS	° ' "	D. P. METERS							
	Water Tank, Buzzards Bay	41 45	(1732.0) 119.1	70 30	(1128.0) 258.1	N.A. 1927	Radial Plot	1938				251 1208
	S.E. Finial, R.R. Bridge Tower	41 44	(978.7) 872.4	70 30	(247.2) 1139.2	"	"	1938				251-1208 1210
	N.W. Finial, R.R. Bridge Tower	41 44	(818.7) 1032.4	70 30	(174.7) 1211.7	"	"	1938				"
	N.E. Cupola, State Pier, Buzz. Bay	41 44	(1322.1) 529.0	70 37	(732.0) 654.5	"	"	1938				"
	S.W. Cupola, State Pier, Buzz. Bay	41 44	(1354.6) 496.5	70 37	(693.7) 692.8	"	"	1938				"
	Water Tower, Gray Shingle, Taylor Pt. Buzz. Bay 1938	41 44	(855.3) 995.8	70 37	(895.8) 490.5	"	"	1938				"
	Transmission Tower, Bourne	41 44	(728.3) 1122.8	70 30	(1290.4) 96.0	"	"	1938				1208 251
	Water Tank, Gray with knob on top	41 43	(558.0) 1293.1	70 37	(795.2) 591.5	"	"	1938				251-1208 1210
	Wh. Tank, Monument Beach, 1932 (undg.)	41 43	(1291.1) 560.0	70 30	(283.4) 1103.5	"	Triangulation	1932				251-1208 1210
	Windmill, Maroon Tank, 1917	41 43	(319.0) 1532.1	70 37	(683.4) 703.3	"	Triangulation	1917				251-1208 1210
	Reddy Standpipe, Onset, 1938 1932	41 45	(1812.6) 388.34.0	70 38	(440.1) 946.0	(1423) 944.0	Radial Plot	1938				251 1208
	Hog I. Channel Bn. 4, 1938	41 41	(1248.8)	70 40	(1027.6) 360.0	"	"	1938				251-1208 1210
	Hog I. Channel Bn. 3, 1938	41 41	(1119.9)	70 40	(839.2) 548.3	"	"	1938				"

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

Sealed by W.E. Schmidt

U. S. GOVERNMENT PRINTING OFFICE

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

TO BE CHARTED }
TO BE DELETED } STRIKE OUT ONE

Baltimore, Md., Feb. 3, 1931, 1931

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on (deleted from) the charts indicated.

The positions given have been checked after listing.

75610

L. S. SEASON

See Letter
103/1941

Chief of Party.

GENERAL LOCALITY	NAME AND DESCRIPTION	POSITION 23128						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
		LATITUDE		LONGITUDE		DATUM							
		°	'	°	'								
	Hog I. Channel En. 5, 1938	41	41	(120.8)	70 39	(156.5) 1230.5	N.A. 1927	radial	1938				251-1208 1210
	Hog I. Channel En. 6, 1938	41	41	(249.5)	70 39	(342.0) 1045.0	"	"	"				251-1208 1210
	Hog I. Channel En. 7, 1938	41	42	(976.0) 875.1	70 39	(860.2) 526.8	"	"	"				251-1208 1210
	Hog I. Channel En. 8, 1938	41	42	(249.9) 1821.1	70 38	(137.0) 1250.6	"	"	"				251-1208 1210
	Hog I. En. 12, 1938	41	43	(1030.2) 818.9	70 38	(1028.0) 358.8	"	"	"				251-1208 1210
	Hog I. Channel En. 13, 1938	41	43	(383.2) 1467.9	70 38	(1184.2) 202.5	"	"	"				251-1208 1210
	Phinneys Harbor Channel En. 15 Canal Channel En. 15	41	42	(1366.2) 485.6	70 37	(37.0) 1350.4	(39.6) 1347.5	Triangulation	1917				251-1208 1210
	Phinneys Harbor Channel En. 16 Canal Channel En. 16	41	42	(1720.7) 1837.4	70 37	(307.5) 1029.5	(309.7) 1077.3	Triangulation	1917				251-1208 1210
	Phinneys Harbor Channel En. Front Range, 1932 (unadj.)	41	42	(944.4) 906.7	70 37	(798.0) 589.2	"	Triangulation	1932				251-1208 1210
	Phinneys Harbor Channel En. Rear Range, 1932 1932	41	42	(472.0) 1379.6	70 36	(536.3) 1350.5	(28.9) 1352.9	Triangulation	1932				251-1208 1210
	Hog I. Channel En. 24 - Existing but could not plot radially (unable to identify & prick on charts.)			not plot	radially	unable to identify & prick on charts.							251-1208 1210
	Black Tank, Teby I. - 1932 (unadj.)	41	42	(618.7) 1232.4	70 37	(1011.7) 375.4	N.A. 1927	Triangulation	1932				251-1208 1210
	Hog I. Channel En. 16,												

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

24/ed by W.E. Schmidt

U. S. GOVERNMENT PRINTING OFFICE ✓ R. Supp

DIVISION OF CHARTSSection of Field RecordsREVIEW OF AIR PHOTOGRAPHIC SURVEY T-5610
1:10,000

There are no contemporary graphic control surveys or hydrographic surveys within the area covered by T-5610.

Previous Topographic Surveys

T-1530, 1860, 1:10,000

T-2212, 1895, 1:10,000

T-5610 is complete and adequate to supersede the portions of T-1530 and T-2212 which it covers except for the contours shown on the old surveys.

Comparison with Charts

Chart 251, 1:20,000 (printed 5/16/40)

Chart 1208, 1:80,000 (printed 3/25/41)

Chart 1210, 1:80,000 (" 1/28/41)

See Page 5 of descriptive report for a comparison with the charts made by the field party.

The list of landmarks and fixed aids to navigation was submitted on Form 567 and is filed in the Nautical Chart Section. A duplicate copy is attached at the back of this report.

T-5610 was applied to Chart 251 on April 4, 1941, prior to this review. In making the review triangulation, positions were found in the office records for several fixed aids which were located by the radial plot. The triangulation positions have been plotted on the sheet and the landmark list at the back of the report has been corrected. The differences in position were from 0.2 mm. to 0.7 mm. These changes have been reported to the Nautical Chart Section 5/14/41 though the differences in position are barely plottable on the largest scale chart.

A new tank at Monument Beach which was recommended as a landmark, and a tower at Lat. $41^{\circ} 44.7'$, Long. $78^{\circ} 36.1'$ were not located on T-5610. It is expected that these will be field inspected and located by means of the photographs in 1941. They will be reported to the Nautical Chart Section as soon as the positions are determined.

See opposite page

ADDITIONAL WORK

Additional field inspection of T-5610 was made July 7, 1941, and the original celluloid drawing corrected in this office October 23, 1941, subsequent to the application of T-5610 to charts 249 and 251.

The new work includes changes in the shore line and the obstructions in the Cape Cod Canal, addition of land marks and transmission lines,

The new work is shown on the celluloid drawing in green and has been reported to the Nautical Chart Section 10-23-41. Since the redrafting of T-5610 is in progress the new work will be included on the printed copies of the map, including the copy to be filed in the vault when the sheet is registered. The celluloid drawing must be used where it is necessary to discern the corrections made since the application of T-5610 to charts 249 and 251.

The field inspection notes for the new work are included in one note book and on one ozalid print of T-5610, both of which are filed in the Field Inspection File, Air Photo Unit.

Air Photo Survey T-5610 - 2

Additional Field Work

The detailing of T-5610 is complete except for the following items which were omitted by the field inspection or which could not be determined at the date of the field inspection. Since additional field inspection is to be done in the vicinity of 5610, these details should be reinspected and reported to the office for application to 5610.

1. Removal of obstructions near the shoreline within the Cape Cod Canal.
2. Identification by reference measurements of a tower at Lat. $41^{\circ} 44.7'$, Long. $78^{\circ} 36.1'$, and a tank at Monument Beach. These objects can be plotted in this office from the field inspection notes. The field inspection photos are being returned to the field party.

~~See page opposite regarding additions important to charts.~~

Geographic Names

It is not necessary to list street names on the geographic name form as was done in this descriptive report.

Minor Corrections Made During Drafting.

1. Bennett Pond added from photographs to conform with Geological Survey quadrangle "Sagmore, Mass". Name approved.
2. Name "Sunset Island" added; approved.
3. Under pass at intersection of U. S. Highways 6 & 28 added from photographs.
4. " Δ Gray Standpipe, Onset, 1932" shown on smooth drawing, changed to "O Standpipe". No records in Geodesy that this is a triangulation station. Due to crowded details on celluloid it is not clear that this station was intended to be a triangulation station.
5. " Δ Temple, Onset, 1917" changed to O Tampla Onset. Station was destroyed by lightening in 1933 and rebuilt. See recovery notes by K. T. A., 1933.

This sheet compiled as a rough drawing to be redrafted in the Washington Office.

Air Photo Survey T-5610 - 3

Reviewed by: L. C. Lande (5/12/41)

Inspected by: B. G. Jones (5/12/41)

Examined and Approved:


Chief, Section of Field Records.


Chief, Division of Charts


Chief, Topography Section.


Chief, Division of
Coastal Surveys.

POSITION COMPUTATION, THIRD-ORDER TRIANGULATION

		°		'		"		°		'		"	
		to 3		&		to 1		to 2		to 3		to 1	
α	2	122		24		45.4				302		24	
$2^d \angle$		+ 63		20		16.1				- 66		02	
α	2	185		45		01.5				236		22	
$\Delta \alpha$		+				2.6				+			
		180		00		00.0				180		00	
α'	1	5		45		04.1				56		22	
		50		37		29.4							
FIRST ANGLE OF TRIANGLE													
ϕ	41	43		51.021		2 New Age		70		37		41.103	
$\Delta \phi$	+			29.583				-				2.977	
ϕ'	41	44		20.604		1 New Taylor		70		37		37.126	
VALUES IN SECONDS													
s	2.962515			635.7						857.9			
$\cos \alpha$	9.997809												
B	8.510720												
h	1.471044												
s^2	5.915												
$\sin^2 \alpha$	8.002												
C	1.355												
h^2	5.2												
D	2.390												
VALUES IN SECONDS													
s	2.952835												
$\cos \alpha$	9.743275												
B	8.510720												
h	1.206930												
s^2	5.906												
$\sin^2 \alpha$	9.840												
C	1.355												

POSITION COMPUTATION, THIRD-ORDER TRIANGULATION

α	2	to 3	29	14	22.1	α	3	to 2	209	14	08.0
$2d\angle$		&	+ 93	10	23.3	$3d\angle$		&	- 36	36	12.5
α	2	to 1	122	24	45.4	α	3	to 1	172	37	55.5
$\Delta\alpha$			-		18.9	$\Delta\alpha$			-		4.8
			180	00	00.0				180	00	00.0
α'	1	to 2	302	24	26.5	α'	1	to 3	352	37	50.7

FIRST ANGLE OF TRIANGLE

ϕ	41	43	51.021	2	New Age, wavy	λ	70	37	41.103	ϕ	41	43	22.733	3	Old Hog	λ	70	38	02.239
$\Delta\phi$	+		12.481			$\Delta\lambda$	+		28.346	$\Delta\phi$	+		41.769			$\Delta\lambda$	+		7.210
ϕ'	41	44	04.502	1	New Sears	λ'	70	38	09.449	ϕ'	41	44	04.502	1	New Sears	λ'	70	38	09.449

Logarithms		Values in seconds		Logarithms		Values in seconds		Logarithms		Values in seconds		Logarithms		Values in seconds	
s	2.889843	$\frac{1}{2}(\phi+\phi')$	138.9	s	3.113732	$\frac{1}{2}(\phi+\phi')$	218.4	s	3.113732	$\frac{1}{2}(\phi+\phi')$	218.4	s	3.113732	$\frac{1}{2}(\phi+\phi')$	218.4
$\cos\alpha$	9.729175			$\cos\alpha$	9.996399			$\cos\alpha$	9.996399			$\cos\alpha$	9.996399		
B	8.510720			B	8.510720			B	8.510720			B	8.510720		
h	1.129738			h	1.620851			h	1.620851			h	1.620851		
s^2	5.780			s^2	6.2275			s^2	6.2275			s^2	6.2275		
$\sin^2\alpha$	7.853			$\sin^2\alpha$	8.216			$\sin^2\alpha$	8.216			$\sin^2\alpha$	8.216		
C	1.355			C	1.355			C	1.355			C	1.355		
	6.988				5.7				5.7				5.7		
h^2				h^2				h^2				h^2			
D	2.39			D	2.39			D	2.39			D	2.39		

POSITION COMPUTATION, THIRD-ORDER TRIANGULATION

		°		'		"		°		'		"	
		to 3		to 2		to 1		to 3		to 2		to 1	
α	2	14		25		23.9		194		25		13.3	
$\Delta\alpha$	2	+ 64		45		34.6		- 42		08		18.1	
$\Delta\alpha$	2	79		10		58.5		152		16		55.2	
$\Delta\alpha$	2	-		29.3		29.3		-		180		00.0	
α'	1	259		10		29.2		332		16		36.5	
FIRST ANGLE OF TRIANGLE													
		73		06		07.3							
ϕ	41	43	29.031	2	New Rocky	λ	70	37	18.259	λ	70	37	24.161
$\Delta\phi$	-	-	6.298	$\Delta\lambda$	+	$\Delta\lambda$	+	43.980	$\Delta\lambda$	+	+	+	28.077
ϕ'	41	43	22.733	1	old Hog	λ'	70	38	02.239	λ'	70	38	02.238
VALUES IN SECONDS													
		701.4		25.9		51.8							
s	3.014921	41		43		25.9		3.144667		41		43	
$\cos\alpha$	9.2734045	41		43		25.9		9.9470647		41		43	
B	8.5107201	41		43		25.9		8.5107210		41		43	
h	0.7990456	41		43		25.9		1.6024547		41		43	
s^2	6.02984	41		43		25.9		6.28934		41		43	
$\sin^2\alpha$	9.98443	41		43		25.9		9.33513		41		43	
C	1.35458	41		43		25.9		1.35438		41		43	
h^2	7.36885	41		43		25.9		6.97885		41		43	
D	2.3896	41		43		25.9		3.2049		41		43	
VALUES IN SECONDS													
		701.4		25.9		51.8							
s	3.014921	41		43		25.9		3.144667		41		43	
$\cos\alpha$	9.2734045	41		43		25.9		9.9470647		41		43	
B	8.5107201	41		43		25.9		8.5107210		41		43	
h	0.7990456	41		43		25.9		1.6024547					

POSITION COMPUTATION, THIRD-ORDER TRIANGULATION

α	2	to 3	to 2	56	12	33.5	α	3	to 2				
$2^d \angle$		&		+ 114	31	14.8	$3^d \angle$						
α	2	to 1		170	53	48	α	3	to 1				
$\Delta \alpha$							$\Delta \alpha$						
α'	1	to 2		250	53	48	α'	1	to 3			180	00
												00.0	

FIRST ANGLE OF TRIANGLE

ϕ	41	44	20.604	2	New Taylor	λ	70	37	37.126	ϕ	3	T	
$\Delta \phi$	+		0.874	89.554	27.295	$\Delta \lambda$	+		0.187	$\Delta \phi$			
ϕ'	41	44	21.478	176.0	Pt.	λ'	70	37	37.313	ϕ'		1	

	Logarithms	Values in seconds		$\frac{1}{2}(\phi + \phi')$	Logarithms	Values in seconds		$\frac{1}{2}(\phi + \phi')$	Logarithms	Values in seconds		$\frac{1}{2}(\phi + \phi')$	Logarithms	Values in seconds	
		1st term	2d term			1st term	2d term			1st term	2d term			1st term	2d term
s		0.88471													
$\cos \alpha$															
B															
h															
s^2															
$\sin^2 \alpha$															
C															
h^2															
D															

COMPUTATION OF TRIANGLES

State: _____

11-9121

	NO.	STATION	OBSERVED ANGLE	CORR'N	SPHER'L ANGLE	SPHER'L EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
		2-3						3.169080
		1 old Hog	73 06 07.3					0.0191680
		2 New Rocky	64 45 24.6					9.9564214
		3 North Toby	42 08 18.1					9.8266728
		1-3						2.144669
		1-2						2.014921
		2-3						2.014921
		1 New Agawam	67 08 00.5					0.0355459
		2 New Rocky	62 55 38.3					9.9495997
		3 old Hog	49 56 21.2					9.8838670
		1-3						3.000067
		1-2						2.934334
Do not write in this margin		2-3						2.000067
		1 New Seers	50 13 24.2 ✓					0.1143308
		2 New Agawam	84 10 28.0					9.9993337
		3 old Hog	36 36 12.5					9.7754455
		1-3						2.113732
		1-2						2.889843
		2-3						2.889843
		1 New Taylor	50 37 29.4					0.1118157
		2 New Agawam	63 20 16.1					9.9511760
		3 New Seers	66 02 14.5					9.9608562
		1-3						2.952835
		1-2						2.962515

POSITION COMPUTATION, THIRD-ORDER TRIANGULATION

α	2	to 3	to 2	α	3	to 2	to 2
$\alpha^d \angle$				$3^d \angle$			
α	2	to 1	to 1	α	3	to 1	to 1
$\Delta \alpha$				$\Delta \alpha$			
α'	1	to 2	to 2	α'	1	to 3	to 3

FIRST ANGLE OF TRIANGLE

ϕ	41	42	58.045	Stockton	λ	70	39	06.763	ϕ	41	42	57.672	3	λ	70	39	06.054
$\Delta \phi$	41	42	0.273	20.025 m.	$\Delta \lambda$	-	-	0.709	$\Delta \phi$	41	42	0.014	3	$\Delta \lambda$	+	+	0.19.816
ϕ'	41	42	57.672	1	λ'	70	39	06.054	ϕ'	41	42	57.672	1	λ'	70	39	06.054
s	Values in seconds								s	Values in seconds							
$\cos \alpha$	0.64907								$\cos \alpha$	0.86625							
B	1st term								B	1st term							
h	"								h	"							
s^2	"								s^2	"							
$\sin^2 \alpha$	"								$\sin^2 \alpha$	"							
C	2d term								C	2d term							
h^2	"								h^2	"							
D	3d term								D	3d term							
	$-\Delta \phi$									$-\Delta \phi$							

6.0959

T5610

GEOGRAPHIC NAMES

Survey No.

T-5610

GEOGRAPHIC NAMES											
Survey No.											
T-5610											
Name on Survey											
		A	B	C	D	E	F	G	H	I	①
Tobys I. ✓		C, J		Z, X, X ₁			4, 5, 6 10, 15				1
Back River ✓		J	E	X, X ₁	1, 2 A	N, A	4, 5, 15				2
Monument Beach ✓		C J		U, X, X ₁		A, L	4, 5, 7				3
Gray Gables Sta. ✓		J								No. 2365	4
Little Bay (new name) ✓					1, 2, 6, 7, 9, 10, A						5
Eel Pond (new name) ✓				X, X ₁ *U	1, 6, 7, 10, 9, 2 A, D	N, A, *L	*4				6
Mashnee I. /		J	E, H,	Z, U, K,	1, 3 A	N, N ₂	5				7
Hog I. /		J	E, H,	U, Z, K,	1, 3 A	N N ₂	5				8
Cape Cod Canal ✓		*J *P ₃	*E	X, X ₁ , Y		L, N, A					9
Bourne ^{Town-Village} (new name) ✓		*J		X, X ₁	1, 6, 7, 10, 4, 2, 3, A	A	6, 7, 4				10
Bourne Pond ✓		*J		X, X ₁ , Y		A					11
Buzzards Bay / (town)		J P ₂	E	X, X ₁ , U, Y		0, L, N, A	4, 5				12
Cohasset Narrows /		J	E	U		N ₂	4, 5				13
Taylor Point (new name) ✓		*J *P ₂	*E	*X *X ₁ *U	1, 3, 6, 7 10,		*4				14
Bumps Pond (new name)		*J		*Y *X ₂	1, 6, 7, 10,	*N *A					15
Delete word Bourne-Chart 251- Lat. 41-45+ Long. 70-35.8+ (recommended by Vessel Gilbert Party)											
Queen Sewell Cove ✓		*J			1, 6, 7, A, D						17
Little Buttermilk Bay ✓		J		Y X ₂		N					18
Buttermilk Bay ✓		J	E	Y *W X ₂	1, 2, 6,						

Remarks

Decisions

1		417706
2		"
3		"
4		"
5		"
6	*U-Mill Pond Green*4-Mill Pond *L-Mill Pond	"
7		417706
8		"
9	*J-Monument River, also Listed as Cape Cod Canal *E-Monument River - Survey of 1860 *J-Monument	417706 Delete Monument R
10	*P ₂ -Moonument River, also listed as Cape Cod Canal	417705
11	*J-Bournes Pond	417705
12		417706 USG B ^f Bay
13		417706
14	*J-Bournes Neck *X-Bourne Neck *U-Bourne's Neck *P ₂ -Bourne Neck *E-Bourne's Neck *X ₁ -Bourne Neck Green*4-Bourne's Neck	417706 R*
15	*J-Queen Sewel Pond *N-Queen Sewall Pond *Z-Queen Sewall Pond *Y-Queen Sewel Pond *A-Queen Sewell Pond X ₂ -Queen Sewell Pond	417706 R*
16		Bourne on S. OK: Side Canal
17	*J-Queen Sewel Cove	417706
18		417706
19	*W-Big Buttermilk Bay *N-Big Buttermilk Bay	"
20		"
21	*Z-Butlers Cove *O-Butlers Cove Butlers Cove	"
22	*J-Peters Neck *Z-Peters Neck	" R*
23		417706
24		"
25	*E-Jacob's Neck Green*4Jacob's Neck *U-Jacob's Neck	417706
26	*J-Sears Pt. *Z-Sears Pt.	R* "
27		417706

GEOGRAPHIC NAMES

Survey No.

T-5610

[illegible]

Remarks.

Decisions

1		417706
2		417706
3		"
4	*L-W.H. & H. R.R.	
5		417706
6		"
7		417706
8		"
9		"
10	*J-Location differs with field inspection *Z-Location differs with field inspection *13-Blue-Location different *12-Blue-Varifies field inspection *12-Blue-Calls Sunset Cove as shown on Chart No.251, Shell Pt. Cove. *O-Location differs from field inspection-Name the same	US-B Dec 1950 417706 apply to large area as on ch. 251 " ? application
11		"
12		"
13		417706
14	Codman	"
15		417706
16	*R-Cedar Pt.	"
17	*Z-Spelled Stoney Pt. *N-Spelled Stoney Pt.	"
18	*U- Tempe's Knob	"
19	*J-Bourne Cr. Blue*12,13-Boures Cove *U-Bourne's Cove *O-Not readable	417706
20		"
21		"
22		417706
23		417706
24	*O-Name spelled same-Location different	417706 - apply as on ch. 251
25		417706
26	***May be known as Hunnewells Pt. (From recovery notes of Sta. New Agawam)	417706
27		417706
M 234		"

GEOGRAPHIC NAMES

Survey No.
T-5610

GEOGRAPHIC NAMES		Survey No. T-5610												
Name on Survey	On Chart		On previous survey		On U. S. quadrangle		From local information		On local maps		Rand McNally Atlas		U. S. Light List	
	A, C	B, D	E, F	G, H	I, J	K, L	M, N	O, P	Q, R	S, T	U, V	W, X	Y, Z	AA, AB
Mud Cove ✓	J		*W *Z			*P N ₂								1
Rocky Pt. ✓		K, H												2
Phinneys Harbor ✓	J *C		X, U, X ₁	1, 2			*10, *15							3
Clay Pond ✓			X, X ₁											4
Shawnee State Forest ✓			X			A								5
Halfway Pond ✓			X, *X ₁											6
Little Halfway Pond			X											7
Deep Bottom Pond ✓			*U X X ₁				*4							8
Deep Bottom Bog ✓			X X ₁											9
Canal View Rd. ✓			X X ₁											

	Remarks.	Decisions
1	*W-Muddy Cove *P-Muddy Cove *Z-Muddy Cove	417706
2		"
3	Green*c-Phinney's Harbor Green*15-Phinney's Harbor Green*10-Phinney's Harbor	417706
4		417705
5	<i>Name has been changed to SHAWNE-CROWELL STATE FOREST since Negatives were made. This change not taken care of on final print. 10-24-42. JHS</i>	417705
6	*X ₁ -Donnelly Pond	" R*
7		"
8	*U-Deep Pond Green*4-Deep Pond	"
9		"
10		
11		
12		
13	*L-Old County Rd. *A-Old County Rd. *N-Old County Rd.	
14		417706
15		
16	*X-Name same-Location in disagreement *X ₁ -Name same-Location in disagreement	
17		417705
18		
19	*A-U.S. Hy. No. 28 *Photo. No. 2353-U.S. Hy. No. 28	
20		
21	*A-Nightingale's Pond	417705
22		
23		
24		
25		417706
26		"
27		"
M 234		417705

GEOGRAPHIC NAMES

Survey No.
T-5610

GEOGRAPHIC NAMES												
Survey No. T-5610												
Name on Survey												

GEOGRAPHIC NAMES

Survey No.
T-5610

Name on Survey

	A	B	C	D	E	F	G	H	I	J	(13)
Dioks Pond ✓			W *X ₂		*N ₂						1
Bangs Bog ✓			W								2
Sand Pond ✓			W *X ₂		*N ₂						3
Wahkasham Rodgers Bogs			W								4
Little Cedar Pond ✓			W								5
Red Brook ✓			W		L O						6
Gomez Bog ✓			W								7
Gull Cove ✓				12							8
Frank Perkins Rd. ✓			X ₁								9
Bourne Bridge ✓			X ₁		N A						10
Gray Gables ✓			X ₁ X ₂	1, 2, 5	A N						11
Monument River ✓	*J *P ₂ *P ₃		*U								12
Wareham (Township) ✓			U Z	X ₂	L N P						13
Bourne (Township) ✓			X ₁ X ₂ U		O N N	N ₂					14
North Scenic Hy. ✓					L N *A						15
Main St. (Buzz. Bay) ✓					A						16
N. County Rd. ✓					N						17
Old Bridge Rd. ✓					N						18
Shell Pt. Cove ✓			*Z	12	*N ₂						19
Pleasant Harbor ✓					N ₂						20
Sandwich Rd. ✓					*P N ₂						21
Nemasket Pk. ✓					N ₂						22
The Moorings ✓					N ₂						23
Dorr Rd. ✓					N ₂						24
Woodside Ave. ✓					N ₂						25
Highland Rd. ✓					N ₂						26
Jefferson Rd. (Wareham) ✓					N ₂						27

Remarks.

Decisions

1	*X ₂ -Swifts Pond *N ₂ -Swifts Pond	417 706
2		"
3	*X ₂ -Jonathan Pond *N ₂ -Jonathan Pond	417 706
4		417706 - at 2 places
5		"
6		417706
7		"
8		Where?
9		
10		417705
11	*U-Monument River	417706
12	*U-Name has been shown on smooth sheet No. 5610-Recommend that this name be discontinued because it is now Cape Cod Canal (entrance)	417706
13	*J-Appears on Chart No. 251 in conjunction with the name Cape Cod Canal.	
14	*P ₂ -Listed as Monument River & also as Canal	
15	*P ₃ -Listed as Monument River & Cape Cod Canal	
16	*A-Scenic Hy.	
17		
18		
19	*Z-Sunset Cove *N ₂ -Shell Pt. Bay	See #4
20		417706
21	*P-Sawyer Rd.	
22		417706
23		
24		
25		
26		
27		
M 234		

LEGEND

T5610

1. Wm. English, Chairman, Board of Selectman,
Falmouth, Mass.
2. W.A. Toby,
Falmouth, Mass.
4. E.R. Hatch, Fireman, West Falmouth, 55 years local knowledge,
N. Falmouth, Mass.
3. William Neill,
Falmouth, Mass.
5. George A. Howard, Light Keeper, Wings Neck, 18 years local knowledge,
Pocasset, Mass.
6. James E. Lowey, 43 local knowledge,
Woods Hole, Mass.
7. Harold Bellenger, 21 years local knowledge,
W. Falmouth, Mass.
8. Harry F. Landers, 20 years local knowledge,
Cataumet, Mass.
9. Lewis E. Swift, 40 years local knowledge,
Cataumet, Mass.
10. Robert P. Gibbs, 22 years local knowledge,
Cataumet, Mass.
11. Elmer Bracket, 20 years local knowledge,
Pocasset, Mass.
12. Thomas B. Landers, 20 years local knowledge,
Patuisset Island, Pocasset, Mass.
13. Combined opinion of Falmouth Police,
Falmouth, Mass.
14. Charles R. Grinnell, Harbor Master,
Woods Hole, Mass.
15. A.L. Reed,
Cataumet, Mass.
16. Charles A. White, Town Engr.,
~~Cataumet, Mass.~~ Falmouth, Mass.
- U.S.C & G. S. Chart #249
- U.S. Geol. Survey, Advanced prints, Quadrangle Maps.

GEOGRAPHIC NAMES

Survey No.

T-5610

Name on Survey

	A On Chart No. 1, 2, 3	B On previous survey No. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	C On U. S. quadrangle No. 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	D From local information A, D N, O, L, A, P, F, N, W 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	E On local Maps N, O, L, A, P, F, N, W 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	F From local information A, D N, O, L, A, P, F, N, W 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	G Rand McNally Atlas 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	H U. S. Light List 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	I Field Notes 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	19	
Boston ✓					N						1
Bayview Ave. ✓					N						2
Cleveland Way ✓					N						3
Head of the Bay ✓			X								4
Bennet's Neck ** ✓			U		H						5
Grove St. ✓					N						6
Ocean Ave. ✓					N						7
Hotel St. ✓					N						8
Wabun St. AVE.					N						9
Union Ave. ✓					N						10
Onset Pl. ✓					N						11
Union St. ✓					N						12
Park St. ✓					N						13
Wabun Pl. ✓					N						14
Pilgrim Park											15
Ellis Pond											16
State Pier											17
Strong Point Dike											18
Bennet Pond											19
Sunset I.											20
											21
											22
											23
											24
											25
											26
											27

Remarks.

Decisions

1		
2		
3		
4		417706
5	**Not recommended by Vessel Gilbert Party (Tobys Island)	
6	XX	417706
7		
8		
9		
10		
11		
12		
13		
14		
15		S.W. of Plymouth Park 417706
16		N.E. edge of sheet 417706
17		
18		
19		
20	Names underlined in red approved	
21	by L. Heck on 7/30/41	
22	Map hall	
23		
24		
25		
26		
27		