

8056

Diag'd. on Diag. Ch. No. 78-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic (Shoreline)

Field No. CS-283 Office No. T-8056

LOCALITY

State VIRGINIA

General locality JAMES RIVER

Locality NEWPORT NEWS TO WATERS CREEK

194 1-'42

CHIEF OF PARTY

E. B. Lewey

LIBRARY & ARCHIVES

DATE

8056

DATA RECORD

T- 8056

Quadrangle (II): Hampton (U.S.G.S.)

Project No. (II):

CS 283

Field Office:

Chief of Party: E. B. Lewey

Compilation Office:

Chief of Party: Fred. L. Peacock

Air Photo Survey Party No.2
Baltimore, Md.

Instructions dated (II III):

March 26; July 15) 1942
Sept. 30; Nov. 14)Div. of Photogrammetry
Office Files
Copy filed in Descriptive
Report No. T- (VI)

Completed survey received in office: 2 - 1 - 43

Reported to Nautical Chart Section:

Reviewed: 10 - 28 - 48 Applied to chart No. 529 Date: Dec. 1943
Redrafting Completed: 400 10-22-43

Registered: 6 - 8 - 49

Published:

Compilation Scale: 1:10,215

Published Scale:

Scale Factor (III): 0.978952

Scale - 1:10,215

Geographic Datum (III):

N.A. 1927

Datum Plane (III): MHW

~~Mean Sea Level~~

Reference Station (III):

House 1941, recovered 1942

Lat.: 37° 00' 44.328" 1366.5 M Long.: 76° 27' 12.752" 315.3 M Adjusted
~~Unadjusted~~State Plane Coordinates (VI): Station "Monument, 1935"
Virginia, South Zone

X = 2, 587, 025.76

Y = 264, 370.43

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
7736	11/26/41	10:52 A.M.	1:10,000	0.3' above M.L.W.
7739	11/26/41	10:52 A.M.	1:10,000	0.3' above M.L.W.
7741	11/26/41	11:00 A.M.	1:10,000	0.4' above M.L.W.
7742	11/26/41	11:00 A.M.	1:10,000	0.4' above M.L.W.
7743	11/26/41	11:00 A.M.	1:10,000	0.4' above M.L.W.
7782	11/26/41	12:03 P.M.	1:10,000	0.8' above M.L.W.
7783	11/26/41	12:03 P.M.	1:10,000	0.8' above M.L.W.
7784	11/26/41	12:03 P.M.	1:10,000	0.8' above M.L.W.
7785	11/26/41	12:13 P.M.	1:10,000	0.8' above M.L.W.
7790	11/26/41	12:13 P.M.	1:10,000	0.9' above M.L.W.

Tide from (III): Hampton Roads (Naval Base) with time correction to a
mean between Newport News and Warwick River, Va.
Mean Range: 2.6 ft. Spring Range: 3.0 ft.

Camera: (Kind or source) U.S. Coast and Geodetic Survey Nine Lens (focal
length 8.25 in.) All negatives are on file in the Washington Office.

Field Inspection by: Lieutenant E. B. Lewey date: Summer &
Fall of 1942

Field Edit by: None date:

Date of Mean High-Water Line Location (III): November 26, 1941

Projection ~~and grids~~ ruled by (III) Wash. Office C.H.R. date: 12/8/42

" " " checked by: Wash. Office H.R.B. date: 12/8/42

Control plotted by: R. W. Stoy date: 12/12/42

Control checked by: L. C. Painter date: 12/13/42

Radial Plot by: J. E. Sunderland date: 12/21/42

Detailed by: H. R. Rudolph (shoreline) date: 12/22/42
to
1/13/43

Reviewed in compilation office by: M. G. Misulia date: Jan. 27-28,
1943

Elevations on Field Edit Sheet
checked by: None date:

STATISTICS (III)

Land Area (Sq. Statute Miles): None

Shoreline (More than 200 meters to opposite shore): 5 Statute Miles

Shoreline (Less than 200 meters to opposite shore): 3 Statute Miles

Number of Recoverable Topographic Stations established:

4

Number of Temporary Hydrographic Stations located by radial plot:

20

Leveling (to control contours) - miles:

None

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Summary to Accompany T-8056

T-8056, scale 1:10,000, is one of 40 shoreline surveys in project CS-283 along the James River, Virginia. T-8056 covers the northeast end of James River Bridge and adjacent shore.

Project CS-283 was originally planned as a planimetric mapping project, but was limited to shoreline surveys only after War Mapping Project CS-289, covering practically all the James River, was undertaken.

Topographic Quadrangle T-8313 (Project CS-289) completely covers T-8056; the former was compiled in 1944 from 1:20,000 scale photographs taken in 1942 in contrast with T-8056, compiled in 1942-43 from 1:10,000 scale photographs taken in November 1941.

K. T. Adams

14 June 1949

Field Inspection

Field inspection for the area of T-8056 is contained in the "Report on Field Inspection of Air Photographs, James River, ~~New Port~~ News to Hopewell, Virginia", by Ernest B. Lewey, ^{Newport} dated October 12, 1942.

*Filed in Division of Photogrammetry
General Files.*

COMPILATION REPORT

26. CONTROL:

The control plotted on this map drawing consists of eleven U.S. Coast and Geodetic Survey Triangulation Stations and one V.C.F. Triangulation Station. The control has been indicated on this map drawing with the usual triangulation symbol.

The following list of control stations are within the detailed limits of this map drawing:

Eight U.S. C. & G. S. Triangulation Stations:

- ✓ Tank No.1, 1932, r. 1942
- ✓ Monument, 1938, r. 1942
- ✓ Newport News, North Base, (Tank No.2) 1927, r. 1932, r. 1942
- ✓ House, 1941, r. 1942
- ✓ James River Bridge, North Tower, 1932, r. 1942
- ✓ James River Bridge, South Tower, 1932, r. 1942
- ✓ Black Tank No.1, 1941, r. 1942
- ✓ Aluminum Tank, 1941, r. 1942

One V.C.F. Triangulation Station:

- ✓ Watts (V.C.F.), 1938, r. 1942

The following list of control stations fall without the detailed limits of this map drawing:

Three U.S. C. & G. S. Triangulation Stations:

- Newport News, South Base (Black Tank No.3), 1927, r. 1932, r. 1942
- Orange Tank, 1941, r. 1942
- Slate Colored House Gable, 1906, r. 1919, r. 1942

Watts (V.C.F.), 1938, r. 1942, could not be identified on the photographs and was not used in this plot.

For a general discussion of the above control and its relation to the plot of this map drawing, see the following paragraph.

27. RADIAL PLOT:

An individual plot was laid for this map drawing No. T-8056 by the usual radial line method. No templates were used. Principal points (mechanical centers) were transferred from one photograph to another by methods considered satisfactory by this office. Flight lines were established and were satisfactorily used in laying the plot. The basic and secondary control was pricked on the

27. RADIAL PLOT: (Continued)

office photographs. Common secondary points were transferred from map drawing T-8055 and indicated with double red circles. Each photograph was oriented under this map drawing and radial lines were drawn where necessary to carry the plot forward and obtain positions of the secondary control points. The photographs were laid in the plot so that all triangulation held, or was tangent to their respective radial lines on the photographs. Secondary control was established to prove the plot and indicated on the map drawing with small double purple ink circles to indicate strong positions, and small double green ink circles to indicate weak positions.

The control density west of Longitude $76^{\circ} 26'$ was adequate. East of Longitude $76^{\circ} 26'$, there was no control except one station in the southeast corner of the map drawing in the vicinity of Latitude $37^{\circ} 00'$, Longitude $76^{\circ} 22'$.

The control identification was adequate.

The number of photographs was adequate.

Photograph No. 7784 seemed to be twisted and could be oriented only by chambers.

The closure and adjustment were negligible.

There were no questionable areas and no exceptional difficulty was encountered.

28. DETAILING:

All purple and green ink is on the glossy side of this map drawing.

The shoreline and immediate adjacent culture has been detailed on this map drawing in accordance with the Directors' letters dated March 26, 1942, July 15, 1942, September 30, 1942, and November 14, 1942, pertaining to this project No. C.S. 283.
Filed in Div. of Photogrammetry - Office Files

The following excerpt is from the Director's letter dated July 15, 1942:

"Because of the new 20,000 scale mapping that will now cover the entire area from Richmond to the mouth of the James River, this Bureau will not compile, nor publish complete planimetric maps of the area. Only the shoreline and signals for the control of hydrographic surveys will be compiled on a scale of 1:10,000, and copies of your original drawings, without being smooth drafted, will be registered and used on the hydrographic smooth sheets."

28. DETAILING: (Continued)

The scales of the photographs and this map drawing were in good agreement. It was not necessary to use the projector.

For a discussion of the James River Bridge, see paragraph No. 28 of the compiler's report for map drawing No. T-8055. The section of James River Bridge outlined in red on this map drawing No. T-8056 is believed by this compiler to be more accurate than that indicated on map drawing No. T-8055. Additional photographs received from the Washington Office, covering the above mentioned section, provided the material for more accurate detail. All detail north of Latitude 37° 00' on map drawing No. T-8055, should now be eliminated or corrected accordingly. Other bridges of no navigational importance, indicated on this map drawing, have been labeled and their type noted. No other data was submitted by the field inspection party.

~~Taken~~ Eliminated during review

Positions of minor detail points, hydrographic stations, and bench marks were determined by the usual radial line method. The shoreline was detailed directly from the field inspection photographs except that of inland ponds. The shoreline for the pond just north of the northeast end of the James River Bridge, was outlined on the field inspection photograph No. 7789, but due to deep shadows and relief displacement, it did not agree with the apparent shoreline as detailed from the office photographs Nos. 7741 and 7736, which were more distinct. It is recommended that this area be investigated by the hydrographic party.

A new municipal pier has been detailed on this map drawing from the field inspection notes in the vicinity of Latitude 37° 01' and Longitude 76° 27' 20". This pier did not exist at the time of the photographic survey.

See "Additional Work, 1944" - Filed in this report.

Difficulty was encountered in detailing the shoreline of Waters Creek and Lake Maury, in the vicinity of Latitude 37° 02' 30" to Latitude 37° 03' 45" and Longitude 76° 29'. This was due to deep shadows and relief displacement. This area was not outlined on the field inspection photographs.

Bluffs have been indicated by the usual dirt bluff symbol where noted on the field inspection photographs.

A stream and marsh area extending from Latitude 37° 02', Longitude 76° 22' 30" to Latitude 37° 03' 45", Longitude 76° 27' has been omitted because it has been assumed by this office that the area is not, at the present time, essential for use by the hydrographic party. The center of photograph No. 7789 is not shown on this map drawing. However, the photograph was used in establishing radial points and in detailing the extreme southern part of the shoreline.

30. MEAN HIGH WATER LINE:

The mean high water line (firm ground) is indicated by a

30. MEAN HIGH WATER LINE: (Continued)

heavy solid black acid ink line the center of which should be taken as the true position. A lightweight solid black acid ink line (marsh area) indicates the limits of navigation and not necessarily the mean high water line. Most shoreline, except that developed with piers and bulkheads, consists of dirt bluffs from ~~40~~ to ³⁸ feet in height and small areas of marsh. Important features have been labeled on the overlay sheet. A tide curve was drawn in order to approximate the tide for each photograph.

31. LOW WATER AND SHOAL LINES:

Approximate limits of ^{shallow} ~~shoal~~ and ~~foul~~ areas have been indicated with a lightweight dashed line and labeled for use of the hydrographer only.

32. DETAILS OFFSHORE FROM HIGH WATER LINE:

Fish traps have been detailed and labeled.

33. WHARVES AND SHORELINE STRUCTURES:

All piers, wharves, sewer outlets, groins, bulkheads, and other shoreline structures were indicated and labeled where it was thought necessary.

34. LANDMARKS & AIDS TO NAVIGATION:

See Chart Letter 917(49) Copy enclosed.

The seven following Triangulation Stations were recommended by the field inspection party as landmarks for charts:

Tank, Aluminum
Tank, Black No. 1
Monument
Tank, No. 2
Tank, No. 1
N. Tower, James River Bridge
S. Tower, James River Bridge

Positions have been submitted on form No. 567.
See Review Report.

35. HYDROGRAPHIC CONTROL:

The positions of

four recoverable and twenty temporary hydrographic stations have been radially plotted on this map drawing. The temporary stations have been indicated with a 1½mm black acid ink circle. The recoverable stations have been indicated with a 2½mm black acid ink circle. The descriptions for both classes of hydrographic stations have been noted on the overlay sheet for this map drawing. The recoverable stations are as follows:

B. M. F27, 1942
B. M. G27, 1942
Chimney, ~~larger of two on a prominent house on bluff. Light colored house, slate roof. This is the second house south-east of a group of pines.~~

Received
2/4/43
attached to Review Report

35. HYDROGRAPHIC CONTROL: (cont'd)

Pier, ~~Southeast corner of~~, 1942

Positions and descriptions of the recoverable stations have been submitted on Form No. 524.

Received
2/6/43

37. JUNCTIONS:

Map drawing T-8057, ^{This sheet has been eliminated.} North Side, no junction possible at this date.

Map drawing T-8055, South Side, Junction in agreement.

Map drawing T-8061, West Side, Junction in agreement.

~~Map drawing T-8060 (extended) N.W. corner junction in agreement.~~

39. RECOMMENDATIONS FOR FUTURE SURVEYS:

This map drawing is believed to be complete in all details of importance for charting and no additional surveys are required.

The probable error of radial points and well-defined objects along the shoreline is not greater than 0.5mm. The error of inland radial points and details of importance is not greater than 1.0mm.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

Hampton, Va. Quadrangle U.S.G.S. date 1932. Scale 1:62,500.

Due to scale difference between this map drawing and the above mentioned Quadrangle, planimetric details could not be satisfactorily compared. However, at approximately Latitude $37^{\circ} 02' 30''$ and Longitude $76^{\circ} 29' 15''$ the ornamental dam, with a dual highway crossing it, as detailed on this map drawing, is not shown on the Hampton Quadrangle. The distance between opposite shores of a stream north of the above mentioned dam appears much greater than on the Quadrangle.

At approximately Latitude $37^{\circ} 01'$ and Longitude $76^{\circ} 27' 15''$ a small stream has been dammed and is now a pond.

At approximately Latitude $37^{\circ} 00'$ to Latitude $37^{\circ} 00' 50''$ and Longitude $76^{\circ} 27' 20''$ to Longitude $76^{\circ} 28' 20''$ the James River Bridge does not show on the Quadrangle.

At approximately Latitude $37^{\circ} 01'$ and Longitude $76^{\circ} 27' 20''$ a new Municipal pier has been detailed on this map drawing that does not appear on the Quadrangle.

45. COMPARISON WITH NAUTICAL CHARTS:

Chart No. 400; published May 1941; issued Nov. 15, 1941;
Scale 1:20,000.

Due to scale difference, planimetric details could not be satisfactorily compared.

Chart No. 529; published Sept., 1940; issued March 25, 1942;
Scale 1:40,000.

Due to scale difference, planimetric details could not be satisfactorily compared. However, at approximately Latitude $37^{\circ} 02' 30''$ and Longitude $76^{\circ} 29' 15''$ the ornamental dam with a dual highway crossing it, as indicated on this map drawing, is not shown on Chart No. 529. A stream just north of this dam has been detailed on this map drawing with a lateral distance greater than indicated on Chart No. 529.

At approximately Latitude $37^{\circ} 01'$ and Longitude $76^{\circ} 27' 15''$ a small stream as shown on Chart No. 529 has been dammed and now forms ponds.

At approximately Latitude $37^{\circ} 01'$ and Longitude $76^{\circ} 27' 20''$ a new municipal pier has been indicated on this map drawing. This pier does not appear on Chart No. 529.

Numerous streets indicated on this map drawing do not appear on Chart No. 529.

The location and azimuth of the James River Bridge is in fair agreement, except the positions of the trash guards. Positions of these trash guards should be revised on Chart No. 529 to conform with this map drawing No. 8056.

Chart No. 1222; published May 1937; last reprint, Dec. 31, 1941; issued March 25, 1942. Scale 1:80,000.

Due to scale difference, planimetric details could not be satisfactorily compared.

GEOGRAPHIC NAMES

In general, no investigation of geographic names was made by the Field Inspection Party. Listed below are the names that pertain to the detail limits of this map drawing. Exceptions are noted:

- ~~Brown Shoal (area not indicated)~~
- ~~Freemans Crossing (area not indicated)~~
- ~~Hilton Village*~~
- ~~Huntington Park~~
- ~~James River~~
- ~~Little Bethel Church (area not indicated)~~
- ~~Morrison (area not indicated)~~
- ~~New Market Corners (area not indicated)~~
- ~~New Market Creek (area not indicated)~~
- ~~Newport News~~
- ~~North Newport News~~
- James River Bridge
- Waters Creek*
- Lake Maury*
- Virginia* (for title)

* = Decis. of BGN

• = Approved name.
10-27-48.

a.g.w.

Respectfully submitted,
January 29, 1943

Harry R. Rudolph
Harry R. Rudolph
Sr. Photogrammetric Aid

Compilation and Descriptive
Report Reviewed by,

Michael G. Misulia
Michael G. Misulia
Jr. Topographic Engineer

Compilation and Descriptive
Report Supervised by,

Walter E. Schmidt
Walter E. Schmidt
Asst. Photo. Engineer

Approved & Forwarded,
February 2, 1943

Fred. L. Peacock
Fred. L. Peacock, Chief
Air Photographic Party No. 2

ADDITIONAL WORK

1944

Refer to "Report on Field Inspection
of Air Photographs, James River, Virginia,
Winter Season, 1944" Filed in Division
of Photogrammetry General Files.

ADDITIONAL WORK - 1944

The Map Drawing for Survey No. T-8056 was compiled during December, 1942 and January, 1943. In accordance with instructions, only the shore line and immediate adjacent culture was detailed on this Map Drawing.

The War Mapping Map Manuscript for Survey No. T-8313, Project C.S. 289, which includes all of the area of Survey No. T-8056, was compiled in April, 1944, from nine lens photographs taken in 1942. In making a comparison between the Map Manuscript for Survey No. T-8313 and the Map Drawing for Survey No. T-8056, it was noted that the position of Huntington Park Pier, as shown on Survey No. T-8056, was in disagreement with the position as shown on the Map Manuscript for Survey No. T-8313.

This pier was originally detailed on Map Drawing No. T-8056, from data furnished the Compilation Office by the Field Party on Form No. 274 (sketch book). The position of the pier was detailed according to the controlling distance given from the James River Bridge. This distance is erroneous. It is not known if this data was from actual measurements or taken from a proposed plan of construction which was not adhered to, during construction of this pier.

The pier was radially plotted on War Mapping Map Manuscript for Survey No. T-8313 from 1:20,000 nine lens photographs in its correct position.

The Map Drawing was recalled from the Washington Office and the position of the pier, as it was originally shown, was deleted. The new position of Huntington Park Pier was then detailed on this Map Drawing from the ozalid of Map Manuscript for Survey No. T-8313, by use of the vertical projector.

The Map Drawing is now believed to be complete in all details of importance for charting, and no other surveys are considered necessary.

Respectfully submitted:
May 29, 1944

Margaret F. Walworth
Margaret F. Walworth
Asst. Photogrammetric Aid

Additional work reviewed
and supervised by:

Joseph Steinberg
Joseph Steinberg
Asst. Photogrammetric Engineer

Approved and Forwarded:
May 30, 1944

Fred. L. Peacock
Fred. L. Peacock
Chief, Air Photographic Party No. 2

Descriptions of Photo-Hydro Stations
T-8056

No.

- .1. Lone tree on SE end of abutment.
- .2. Corner of hedge on bluff.
- .3. Chimney in center of southerly white house on bluff.
- .23 Top of pine among deciduous trees on bluff.
- .24 SE chimney large house on bluff. House has three dormers facing river. A similar house is about 100 meters SE.
- .25 Center of top of large deciduous tree on bluff. Break in brush to SE of tree.
- .26 West Gable most southwesterly of houses in developement.
- .27 Center and highest of a row of maple trees in front of white house on bluff.
- .28 Cedar on bank, just SE of sewer outlet.
- .30 Chimney on SE gable of prominent white house. House has an addition on SE and another chimney on NW gable.
- .31 Center of three cedars on bank.
- .32 White chimney on white house on bluff. Chimney is on SE gable, house has 2 dormers facing river. A large and more prominent house to NW.
- .33 Top of large pine on bluff in front of large, light colored house. Break in bluff immediately NW of the tree.
- .35 Southeasterly of two chimneys on prominent white house on bluff, another white house to NW and a brick house to SE.
- .36 Lion statue on South side of NW end or ornamental dam.
- .37 Tallest locust tree on bluff. Bluff higher from here to NW.
- .38 Cedar tree among group of deciduous trees on bluff and in front of small, white house.
- .39 Center of small lookout house on bluff in front of white house.
- .40 Large, brick chimney on NW end of large, brick house on bluff, another brick house to SE.

DIVISION OF PHOTOGRAMMETRY
Review Report of
Shoreline Map Manuscript T-8056

Subject numbers not included in this report have been adequately covered in other parts of the descriptive report.

28 Detailing

All notes were transferred from the overlay to the map manuscript.

Estimated bluff elevations along the shoreline were changed to conform with elevations obtained by planetable methods.

34 Landmarks and Aids to Navigation

See Chart Letter 917(48) Copy enclosed

The original Form 567 was forwarded to the Nautical Chart Section to be filed. A copy was prepared and made a part of this report. ~~Chart Letter 823(48)~~ Superseded by Ch. Let. 917(49)

37 Topographic and Photo-Hydro Stations.

Names of Topographic Stations were changed to a short, descriptive term on the Form 524 cards and the map manuscript.

A list of descriptions of Photo-Hydro Stations was prepared and made a part of this report. The stations were numbered on the map manuscript.

38 State Grids

The state grid, Virginia, South Zone, was plotted on the map manuscript at a 5,000 ft. interval.

40 Geographic Names

Names were added to the map manuscript from the approved list submitted by the Geographic Names Section.

44 Comparison with Existing Surveys

USGS Hampton Quadrangle	1:62,500	1907 Reprint	1942
T- 497	1:20,000	1853	
T-1265	1:20,000	1871-72	
H-3045	1:20,000	1919	
* T-8313	1:20,000	1944	

Common features on all previous surveys are superseded by the map manuscript in common area.

45 Comparison with Nautical Charts

Chart No. 529	1:40,000	1944	Corr.	1947
Chart No. 400	1:20,000	1944	Corr.	1948

* T-8313 is a more recent survey.
Corrections were not brought forward to T-8056.

K.H.M. 6/14/49

The light at Huntington Park Municipal pier that is shown on Chart No. 529 was established after the field inspection ~~is not shown on the map manuscript.~~ Fish piers near the James River Bridge are not shown on the charts.

51 Application to Nautical Charts

The map manuscript has been applied to the nautical charts.

Reviewed by:

Under the Direction of:

Charles Theurer
Charles Theurer 10-28-48

A. V. Griffith Sr.
Chief, Review Section K. A. M.

Approved by:

D. E. Jones Jr. Sr.
Technical Assistant to the Chief,
Division of Photogrammetry

H. C. Edmonston
Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Division of Photogrammetry

Wm. Scaife 14p
Chief, Division of Coastal Surveys

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T 8 13

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED

STRIKE OUT ONE

TO BE DELETED

T-8312

Washington Office

November 8, 1949

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

The positions given have been checked after listing by C. Theurer

Chart Letter 917(49)

S. V Griffith

Chief of Party

STATE	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							
				°	'	D. M. METERS	°		'						
T-8056	Virginia - James River	Huntington Park Pier Lt (1942)		37 00	1515	76 27	815	MA	1927	Photo 8313	1944				529
		Tank		37 00	156.9	76 26	611.4	"		Triang. GP-423	1941				400 529
		Tank		37 00	944.9	76 26	940.3	"		Triang. GP-422	1941				400 529
		Tower		37 00	283.6	76 28	271.7	"		Triang. GP-47	1932				529
		Tower		37 00	353.0	76 28	209.7	"		Triang. GP-47	1932				529
		Tank		37 02	624.8	76 27	1228.6	"		Triang. GP-47	1927				529
		Tank		37 03	120.7	76 28	413.4	"		Triang. GP-48	1932				529
		Monument		37 02	994.0	76 29	465.5	"		Triang. GP-309	1938				529
		Note: Two radio towers shown on Chart 529 (Triang. locations) have not been recommended for charting or deletion on T-8312.													

of charted landmarks and nonfloating