<table>
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<th><strong>Form 504</strong></th>
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<tr>
<td>COAST AND GEODETIC SURVEY</td>
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<td><strong>DESCRIPTIVE REPORT</strong></td>
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<tr>
<td><strong>Field No.</strong></td>
<td>PH-6606</td>
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<tr>
<td><strong>Office No.</strong></td>
<td>T-13006</td>
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<tr>
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<tr>
<td><strong>General locality</strong></td>
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<table>
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<tr>
<th><strong>1965-1968</strong></th>
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<tr>
<td><strong>CHIEF OF PARTY</strong></td>
</tr>
<tr>
<td>V. Ralph Sobieralski</td>
</tr>
<tr>
<td>Division of Photogrammetry, Wash. D. C.</td>
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<table>
<thead>
<tr>
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<tr>
<td><strong>DATE</strong></td>
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</table>
**DESCRIPTIVE REPORT - DATA RECORD**

**PROJECT NO. (III):**

PH-6606

**FIELD OFFICE (III):**

Chief of Party

**PHOTOGRAMMETRIC OFFICE (III):**

Rockville, Maryland

**INSTRUCTIONS DATED (III) (III):**

July 29, 1965
Amendment 1. August 23, 1965
New Schedule June 15, 1966
Instructions January 10, 1967
Instructions February 2, 1967

**METHOD OF COMPILATION (III):**

Wild B-8

**STRIP SCALE (III):**

1:40,000

**STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):**

1:70,000

**DATE RECEIVED IN WASHINGTON OFFICE (IV):**

**DATE REPORTED TO NAUTICAL CHART BRANCH (IV):**

**APPLIED TO CHART NO.**

**DATE:**

**DATE REGISTERED (IV):**

**GEOGRAPHIC DATUM (III):**

**VERTICAL DATUM (III):**

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

**REFERENCE STATION (III):**

**LAT.:**

**LONG.:**

☐ ADJUSTED
☐ UNADJUSTED

**PLANE COORDINATES (IV):**

X =

**STATE**

**ZONE**

Roman numerals indicate whether the item is to be entered by (III) 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.
FIELD INSPECTION BY (II):
Edit William H. Shearouse

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):
No Tidal Water

PROJECTION AND GRIDS RULED BY (IV):
Marine Charts Section

PROJECTION AND GRIDS CHECKED BY (IV):
Marine Charts Section

CONTROL PLOTTED BY (III):
Henri Lucas

DATE:
Sept. 1967

CONTROL CHECKED BY (III):
John Richter

DATE:
Sept. 1967

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):
Irving Saperstein

DATE:
July 1967

STEREOSCOPIC INSTRUMENT COMPILATION (III):
Henri Lucas

PLANIMETRY
Henri Lucas

DATE:
Sept. 1967

CONTOURS
None

DATE:

MANUSCRIPT DELINEATED BY (III):
Henri Lucas

DATE:
Sept. 1967

SCRIBING BY (III):

DATE:

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):
J. Battley

DATE:
May 1969

REMARKS:
DESCRIPTIVE REPORT - DATA RECORD

Chart 644 SC
T-13006

CAMERA (KIND OR SOURCE) (III):
RC-9

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>NUMBER</th>
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<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tr>
<td>M671 to 676</td>
<td>Oct. 24, 1965</td>
<td>11:30</td>
<td>1:70,000</td>
<td>Not Tidal Water</td>
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<tr>
<td>*65 L (C) 7092 thru 7185</td>
<td>Oct. 16, 1965</td>
<td>08:25 thru 11:35</td>
<td>1:40,000</td>
<td></td>
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<tr>
<td>7188 thru 7204</td>
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<td></td>
<td></td>
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<tr>
<td>7207 thru 7302</td>
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</table>

TIDE (III)

REFERENCE STATION:

SUBORDINATE STATION:

SUBORDINATE STATION:

WASHINGTON OFFICE REVIEW BY (IV):

J. P. Battley

DATE: May 1969

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

* 1:40,000 color photographs listed for complete project. Photographs used for field edit (additional drainage, Navigational aids, landmarks, Roads, names etc.) were October 16, 65 L 7246, 7247, 7252 to 7256, 7258, 7259
Summary to Accompany
Descriptive Reports T-13006 thru T-13012
PH-6606
February 1970

This project consists of seven 1:40,000 scale Chart
Compilation Manuscripts compiled to provide the base
for new chart 644-SC. The area covered is the
Apalachicola River from its mouth at the town of
Apalachicola (T-13012), north to its end at the Jim
Woodruff Dam. From the dam the Chattahoochee River
continues northwest (T-13006) and the Flint River branches
northeast (T-13008).

Field inspection of the project area was limited to the
premarking of control and was completed in September
1965. The area was flown in October 1965 providing
1:70,000 scale panchromatic bridging photography,
1:40,000 scale compilation photography and 1:15,000
scale color for location of aids.

As a result of higher priority projects, completion of
an analytical bridge was not realized until July 1967.
Six strips of 1:70,000 scale panchromatic photographs
were bridged. Due to the lack of control a block adjust-
ment was used to tie the strips together.

The Washington compilation office completed the B-8
compilation of the seven manuscripts in May 1968. The
manuscripts were compiled following the general
instructions for compiling topography to chart scale.
Except in the area of T-13012, there is no existing chart
for comparison and subsequent revision.

Field edit was accomplished from March thru June 1968 and
encompassed the location of extensive day beacons, channel
markers and lights. In addition the river abounds in
piling, dolphins, snags and single piles - most of which
were located during field edit. A complete geographic names
check was also made during field edit.

The application of field edit data was completed in the
Washington compilation office in November 1968. The
Marine Chart Division revised their needs at that time
and the project was set aside for higher priority work.
T-13012 was reviewed and copy forwarded to Marine Charts to serve as a revision base for Charts 1262, 866 and 865. Forms 567's were listed, scaled and submitted for each sheet.

A Chart Division Manuscript copy of each manuscript was supplied the Marine Chart Division.

Registration manuscript copies will be registered in the Bureau Archives under their respective T-numbers.

Submitted by,

J. P. Battley, Jr.
PHOTOGRAMMETRIC PLOT REPORT
Job PH-6606
Apalachicola River, Florida

July 14, 1967

21. Area Covered

This report covers the Apalachicola and Chattahoochee Rivers, Florida, and consists of seven (7) 1:40,000 scale T-sheets, T-13006 thru T-13012.

22. Method

Analytic aerotriangulation methods were used to bridge six strips, consisting of 1:40,000 scale panchromatic photography taken with the RC-9 camera. Common tie points were drilled on plates between all strips where applicable.

Because of placement and lack of control, a block adjustment was used to tie together Strips 1, 5, 6 and part of Strip 3.

The attached sketch shows the strips bridged and the placement of triangulation furnished that were used in the adjustment.

Mercator values have been furnished for all bridge points on the IEM readout.

23. Adequacy of Control

All horizontal control was premarked with white panels with the exception of a subpoint for NEWAHITZKA, EMPIRE SERVICE Co., SILVER TANK, 1934; Pre-USGC Station No. 1242 center line of the public road at the crossing of Apalachicola Northern Railroad was used and noted with WILMA FIRE TOWER, 1936 (See USGS Sumatra Quadrangle pamphlet).

Although horizontal control was sparse, it is believed adequate for 1:40,000 scale charting.

Vertical control needed for the adjustment was taken from USGS quadrangles.
25. Photography

The definition and quality of the "M" photography is fair. The coverage is adequate.

Respectfully submitted,

/\S

Irving I. Saperstein

Approved and forwarded,

Henry P. Eichert
Acting Chief, Aerotriangulation Section
ANALYTIC AEROTRIANGULATION
APALACHICOLA RIVER, FLA.

PH-6606

June 1967

Control used in the adjustment.
065M Photos.

1. Wewahitchka, Empire Service Co. Silver Tank
2. Bainbridge, Flint River Mill, large silver tank

64°30'
30°30'

30°00'

85°00'

656  △ CEDAR
65M632  △ BARBER
65M633  △ WHIDDEN 2 T-13008
639  △ HARDAYAW
65M664 T-13009

BLIGHT △ T-13009

65M591

578

612

615

65M604

602

T-13012

LAUREL △

T-13011

616

65M571

WETAPPO

KINARD

T-13010

STRIP 1

30°30'
31. Delineation
Compilation was done on the B-8 plotter at manuscript scale 1:40,000. Color photographs (scale 1:40,000) were also used to assist with delineation. The Marine Chart Division furnished compilation limits, approximately 5 miles wide.

32. Control
See photogrammetric plot report.

33. Supplemental Data
Color aerial photographs were flown at 1:40,000 for comparison or assistance during compilation. Also US Army Engineers Navigation Charts were used for purpose mentioned above.

34. Contours and Drainage
The largest named creeks that are tributaries of the Chattahoochee River, ponds and swamps of importance are included on the map manuscript. No contours.

35. Shoreline and Alongshore Details
No tidal waters in this area. From aerial photographs models there was no evidence of wharves, piers, retaining walls etc. Except for a few buildings and what appears to be docks or landings.

36. Offshore Details
Inapplicable.

37. Landmarks and Aids
Landmarks and aids located during field-edit, transferred to the manuscript and listed on form 567.

38. Control for Future Surveys
None.

39. Junctions
One junction made with T-13007 (644SC) south of T-13006(644SC).

40. Horizontal and Vertical Accuracy
This survey complies with the national standards of accuracy.

41. thru 45.
Inapplicable.

46. Comparison with Existing Maps
Comparison was made with the following maps, NH 16-3, AMS series.

47. Comparison with Nautical Charts

No Nautical Charts in this area.

Approved by:

K. N. Maki
Chief of Compilation Section

Submitted by:

Henri Lucas
Cartographer
FIELD EDIT REPORT

JOB PH-6606

MAPS T-13006, T-13007 and T-13008

In accordance with Instructions--FIELD EDIT--Job PH-6606; Chart Topography, Chart 644-SC; Apalachicola River, Alabama, Florida, and Georgia (C143).

51. METHODS

Visual comparison of shoreline delineation was made at close range. Where changes, additions, etc. are needed notes are recorded on the photographs, the photo numbers being shown on the field edit sheet.

There is a short section of the Apalachicola River on Map T-13007 in which three river navigation ranges exist. These are the only nonfloating Coast Guard maintained aids in these maps. Form 567 is submitted. For a detailed discussion of the location of the many ranges to the south on the Apalachicola River refer to Field Edit Report for Maps T-13009 and T-13010.

Coast Guard maintained buoys mark the main channels of Lake Seminole and the Flint and Chattahoochee Rivers. Other aids to navigation in Lake Seminole are shown as "Channel Markers" only. They are maintained by the Corps of Engineers and are not shown in the Light List nor has Form 567 been executed. The channel markers range from large stakes to 12 inch piling. Some have pointers on them but the majority do not. They are important because without them a boat operator would be in difficulty in some areas. Considerable effort was made to field locate and position them on the cronaflex, all being shown with a circle approximately 0.6 mm in size. Methods of location were: (1) sextant fixes, (2) theodolite angle and distance, and (3) direct pricking where the marker is located in a constricted area, a point of land or in the mouth of a creek where direct marking was considered of reasonable accuracy.

In addition to commercial traffic, Lake Seminole has been
developed by the Corps of Engineers as a recreational area. There are many landings, picnic sites and camping areas. At each there is a small-boat ramp which has been indicated on a photograph and listed on the field edit sheet. The Engineers have assigned names to these landings and they have been shown on an ozalid print labelled Field Edit Sheet No. 2.

When the lake was formed by the dam that backed up the waters of the Chattahoochee and Flint rivers, which converge at the Jim Woodruff Lock and Dam, many square miles of low, swampy area were inundated, causing the cypress and other swamp-type trees to die. There are now vast areas of these, on down to single trees and snags. The compiler designated most of these as "Cypress" or "Scattered Cypress". They should be relabelled "Dead trees, snags and stumps" unless otherwise noted on the field edit sheets. Most of this discussion refers to Map T-13007 which Field Edit Sheet has many notes regarding the situation. Special effort should be made to show these obiects by delimiting lines and label or by symbol. Most of them have been indicated on the photographs. (It would appear that they should be quite clear on the transparencies.) It is also suggested that the note "Caution should be used when navigating outside the marked channels as there are areas of submerged snags and stumps throughout the lake", or a similar appropriate one be shown on the chart.

The Corps of Engineers has cut a number of channels through the thickest of these foul areas. Most of them are quite clear to the mariner and he is aided by pointers attached to trees. The approximate centerlines have been sketched on the photos, reference being made on the field edit sheet.

All main roads and highways were ridden to verify existence. Deletion of certain farm and woods roads not considered worthy of mapping has been recommended by X'ing off on the field edit sheet and/or photographs. Highway numbers have, in most cases, been entered on the field edit sheet. However, county road maps are submitted as an aid in this matter as are city maps for aid in delineation of streets.

Isolated buildings and others considered of chart landmark value have been circled on the photographs. The numerous interior buildings that were compiled were not edited.

Landmarks for charts are reported on Form 567. Their approximate position is indicated on the field edit sheets with the photo number on which they are identified being listed.

Violet ink was used for notes except for one crowded area on T-13007 cronaflex where red and green were used for clarification.
3.

In addition to the cronaflex and field edit sheets, field edit information will be found on photographs as follows:

Map T-13006: 65L7247, 7252 thru 7256, 7258 thru 7260.

Map T-13007: 65L7178 thru 7180, 7182 thru 7184, 7198, 7199, 7201, 7202, 7233 thru 7238, 7261 thru 7268, 7279, 7280.

Map T-13008: 65L7190 thru 7194, 7196, 7197, 7219 thru 7224.

52. ADEQUACY OF COMPILATION

After application of field edit corrections, additions and deletions, compilation will be adequate.

53. MAP ACCURACY

No tests were made. Sextant fixes were made using map details as angle objects and no difficulty was encountered, indicating good accuracy of map details.

54. RECOMMENDATIONS

None offered.

55. EXAMINATION OF PROOF COPY

It is suggested that a proof copy be sent to the Reservoir Manager, Corps of Engineers, U. S. Army, Chattahoochee, Fla. 32324, for examination. This suggestion is made in light of the fact that changes are continuously being made along the lake shore. Especially would this be appropriate if there is a considerable time lapse before publication.

GEOGRAPHIC NAMES

This is the subject of a separate report.

56. STATE BOUNDARIES

An attempt to obtain the legal description of the GEORGIA/FLORIDA and ALABAMA/FLORIDA boundaries was made. That information as furnished by authorities in Tallahassee does not appear to be very helpful. Mr. Jon Beasley, of the State Road Photogrammetry Department states that there are no monuments marking the boundaries in this area, to his knowledge. The Legal Description is included as a part of this report. Neither Alabama nor Georgia State authorities were contacted.
Photographs show the accepted lines fairly well. The GEORGIA/FLORIDA line has been drawn in its approximate position on photograph 65L7180. The Corps of Engineers have monumented points on this line near Lake Seminole. Positions were furnished and are a part of this report.

The ALABAMA/FLORIDA line has been drawn in its approximate position on photograph 65L7258. There is an east/west road that is the accepted State line, that has been projected through a point on a north/south highway and on through a poorly visible, very old surveyed line on the photograph, to the river. The accuracy of this line will be strengthened when triangulation station IRWIN is plotted, as this station falls on or very near the State line. (See Field Edit Sheet T-13006)

Submitted 6/29/68
William H. Shearouse
William H. Shearouse
Chief, Photo Party 60
Review Report  
T-13006 thru T-13011  
Chart Compilation Manuscripts

61. General Statement

See summary in preface.

62. Comparison with Registered Topographic Surveys

None

63. Comparison with Maps of Other Agencies

Comparison was made with the latest USGS quadrangle of the areas. See item 46 of the compilation report for a listing of these quads by individual T-sheets. A Corps of Engineers booklet comprised of photo-mosaics compiled in April 1966 was available throughout the project area for comparison. This was helpful in spotting the approximate location of range markers for use by field edit.

64. Comparison with Contemporary Hydrographic Surveys

None - no existing surveys in the area.

65. Comparison with Nautical Charts

None - no charts published for this area.

66. Adequacy of Results and Future Surveys

These surveys complied with the project instructions in every respect and meet the National Standards of Map Accuracy. Utilizing the latest analytic bridging methods, and following this with a B-8 stereoplotter compilation supplemented with a most thorough field edit, these manuscripts will provide a base for an excellent chart and any subsequent revision needs.
67. Geographic Names

A thorough geographic names investigation was conducted for this project. A listing of approved geographic names is included in each report.

Approved by,

[Signature]
Chief, Photogrammetric Br.

Reviewed by,

[Signature]
Cartographer

[Signature]
Chief, Photogrammetry Div.

[Signature]
Chief, Marine Charts Div.
GEOGRAPHIC NAMES
FINAL NAME SHEET

PH-6606 (Georgia - Florida border area)
T-13006

Alabama
Brunson Pond - Not Compiled
Brunson Cemetery - Not Compiled
Bryans Creek
Cedar Pond
Chattahoochee River
Chattahoochee State Park
Cow Pond
Danley Cemetery - Not Compiled
Dickenson Cemetery - Not Compiled
Dry Creek - Not Compiled
Early County - Not Compiled
Fisshpond Drain - Beyond limits
Florida
Georgia
Gilbert Lake - Beyond limits
Gordon
Griselda School - Not Compiled
Hammock Springs - Not Compiled
Hammock Springs Church - Not Compiled
Herman Talmadge Bridge
Hornsville
Howard Mill - Not Compiled
Irwin Mill Creek
Alaga
Crosby
Gordon Mill Creek

Approved by:

A. Joseph Waight
Chief Geographer

Prepared by:

Frank W. Pickett (geog)
Cartographic Technician

Jackson County - Not Compiled
Jakin
Kilarney - Beyond limits
Kirkland Creek
Kings School - Not Compiled
Lewis Pond - Beyond limits
Long Pond
Macedonia Church - Not Compiled
McArthur Pond - Beyond limits
Mt. Olive Church - " "
Navy Yard Landing
Neals Landing
Miller County - Not Compiled
Riverton
Riverton Church - Not Compiled
Seaboard Coast Line
Shiloh Church - Not Compiled
Seminole County - " "
State 271 (River Road)
Steam Mill
St. Marys Church - Not Compiled
St. Johns School - " "
The Hammocks
Trinity Church - Not Compiled

Chattahoochee Industrial R.R.
Sawhatchee Creek

See Field Report
See Field Report
<table>
<thead>
<tr>
<th>STATE</th>
<th>GEORGIA - FLORIDA</th>
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<tbody>
<tr>
<td>CHARTING NAME</td>
<td>TANK</td>
</tr>
<tr>
<td>DESCRIPTION</td>
<td>(ELEV) ht= 104 (200)</td>
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<tr>
<td>SIGNAL NAME</td>
<td></td>
</tr>
<tr>
<td>LATITUDE</td>
<td>30 54.7</td>
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<tr>
<td>LONGITUDE</td>
<td>735.7</td>
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<td>DATUM</td>
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<td>CHARTS AFFECTED</td>
<td>644-SC</td>
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| CHARTING NAME | TANK |
| DESCRIPTION | (ELEV) ht= 131 (225) |
| SIGNAL NAME |  |
| LATITUDE | 30 53.8 | 36.4 | 706.8 |
| LONGITUDE | 156.3 | 26.6 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |

| CHARTING NAME | TANK |
| DESCRIPTION | (ELEV) ht= 110 (312) |
| SIGNAL NAME |  |
| LATITUDE | 30 42.6 | 52.5 | 50.6 |
| LONGITUDE | 103.4 | 52.5 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |

| CHARTING NAME | STACK |
| DESCRIPTION | brick, ht= 125 (225) |
| SIGNAL NAME |  |
| LATITUDE | 30 42.6 | 52.5 | 50.6 |
| LONGITUDE | 103.4 | 52.5 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |

| CHARTING NAME | STACK |
| DESCRIPTION | brick, ht= 151 (240) |
| SIGNAL NAME |  |
| LATITUDE | 30 40.1 | 52.2 | 415.9 |
| LONGITUDE | 252.2 | 53.3 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |

| CHARTING NAME | TANK |
| DESCRIPTION | (ELEV) ht=163 (393) |
| SIGNAL NAME |  |
| LATITUDE | 30 42.5 | 50.5 | 844.4 |
| LONGITUDE | 290.3 | 50.5 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |

| CHARTING NAME | TANK |
| DESCRIPTION | (ELEV) ht= 120 (230) |
| SIGNAL NAME |  |
| LATITUDE | 30 42.5 | 52.5 | 81.3 |
| LONGITUDE | 904.3 | 52.5 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |

| CHARTING NAME | TANK |
| DESCRIPTION | (ELEV) ht= 101 (193) |
| SIGNAL NAME |  |
| LATITUDE | 30 42.8 | 53.3 | 653.8 |
| LONGITUDE | 146.7 | 53.3 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |

| CHARTING NAME | TANK |
| DESCRIPTION | (ELEV) ht= 135 (235) |
| SIGNAL NAME |  |
| LATITUDE | 30 40.8 | 50.6 | 64.4 |
| LONGITUDE | 126.5 | 50.6 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |

| CHARTING NAME | TANK |
| DESCRIPTION | (ELEV) ht= 160 (275) |
| SIGNAL NAME |  |
| LATITUDE | 30 40.8 | 50.6 | 64.4 |
| LONGITUDE | 155.8 | 50.6 |
| DATUM |  |
| DATE OF LOCATION |  |
| CHARTS AFFECTED |  |