

10407

ORIGINAL

10407

|   |                           |
|---|---------------------------|
| Form 504  |                           |
| U. S. DEPARTMENT OF COMMERCE                      |                           |
| COAST AND GEODETIC SURVEY                         |                           |
| DESCRIPTIVE REPORT                                |                           |
| Type of Survey <u>Shoreline (Photogrammetric)</u> |                           |
| Field No. ....                                    | Office No. <u>T-10407</u> |
| LOCALITY  |                           |
| State .....                                       | <u>Alaska</u>             |
| General locality .....                            | <u>Heceta Island</u>      |
| Locality .....                                    | <u>Warm Chuck Inlet</u>   |
| 19 <u>55</u>                                      |                           |
| CHIEF OF PARTY                                    |                           |
| <u>R. A. Earle, Chief of Field Party</u>          |                           |
| <u>W. F. Deane, Baltimore District Officer</u>    |                           |
| LIBRARY & ARCHIVES                                |                           |
| DATE .....  |                           |

USCOMM-DC 5087

"INCOMPLETE" SURVEY

## DESCRIPTIVE REPORT - DATA RECORD

T - 10407

/

PROJECT NO. (II):

PH-87

FIELD OFFICE (II):

USC&amp;GS Ship HODGSON

CHIEF OF PARTY

Robert A. Earle

PHOTOGRAMMETRIC OFFICE (III):

Baltimore, Maryland

OFFICER-IN-CHARGE

William F. Deane

INSTRUCTIONS DATED (II) (III):

Field: 25 Dec. 1954  
25 Jan. 1955  
21 Nov. 1956Office: 7 Nov. 1955  
13 Nov. 1956  
23 Nov. 1956  
30 Oct. 1957  
15 July 1958

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III): MHL

~~MEAN SEA LEVEL~~ EXCEPT AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

REFERENCE STATION (III):

SNIPE, 1904 (North of this survey)

LAT.:

55° 49' 21.815"

LONG.:

133° 30' 26.804"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y =

X =

Alaska UTM

8

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,  
OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

## DESCRIPTIVE REPORT - DATA RECORD

2

|  |            |                       |
|--|------------|-----------------------|
| FIELD INSPECTION BY (ii):<br>James P. Randall<br>Loyd D. Thurman   |            | DATE:<br>1956<br>1957 |
| MEAN HIGH WATER LOCATION (iii) (STATE DATE AND METHOD OF LOCATION):<br>Office interpretation of 1955 nine-lens photography |            |                       |
| PROJECTION AND GRIDS RULED BY (iv):  |            | DATE                  |
| PROJECTION AND GRIDS CHECKED BY (iv):  |            | DATE                  |
| CONTROL PLOTTED BY (iii):  |            | DATE                  |
| CONTROL CHECKED BY (iii):  |            | DATE                  |
| RADIAL PLOT <del>XXXXXXXXXXXXXXXXXXXX</del> EXTENSION BY (iii):<br>L. A. Senasack  |            | DATE<br>March 1957    |
| STEREOSCOPIC INSTRUMENT COMPILATION (iii):   | PLANIMETRY | DATE                  |
|  | CONTOURS   | DATE                  |
| MANUSCRIPT DELINEATED BY (iii):  |            | DATE                  |
| SCRIBING BY (iii):   |            | DATE                  |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (iii):  |            | DATE                  |
| REMARKS:   |            |                       |

## DESCRIPTIVE REPORT - DATA RECORD

3

CAMERA (KIND OR SOURCE) (III):

Nine-lens

## PHOTOGRAPHS (III)

| NUMBER           | DATE    | TIME | SCALE    | STAGE OF TIDE   |
|------------------|---------|------|----------|-----------------|
| 51995 thru 51997 | 8-22-55 | 0910 | 1:10,000 | 1.5' above MLLW |
| 52003 and 52004  | 8-22-55 | 0915 | 1:10,000 | 1.5' above MLLW |

## TIDE (III)

Diurnal

|   | RATIO OF RANGES | MEAN RANGE | <del>SPRING</del> RANGE |
|---|-----------------|------------|-------------------------|
| REFERENCE STATION: Sitka                          |                 | 7.7        | 9.9                     |
| COORDINATE STATION: Warm Chuck Inlet, Tonowek Bay |                 | 8.0        | 10.2                    |
| SUBORDINATE STATION:                              |                 |            |                         |

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, Atlantic Marine Center

DATE:

April 1969

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

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

RECOVERED:

IDENTIFIED:

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

Note: Forms 181a, 181b and 181c were prepared by the final reviewer.  
There is no other data available.



T-10407

| COMPILATION RECORD | COMPLETION DATE | REMARKS |
|--------------------|-----------------|---------|
| Control Identified | 1956            |         |
| Final Review       | April 1969      |         |
|                    |                 |         |
|                    |                 |         |
|                    |                 |         |

No other data available

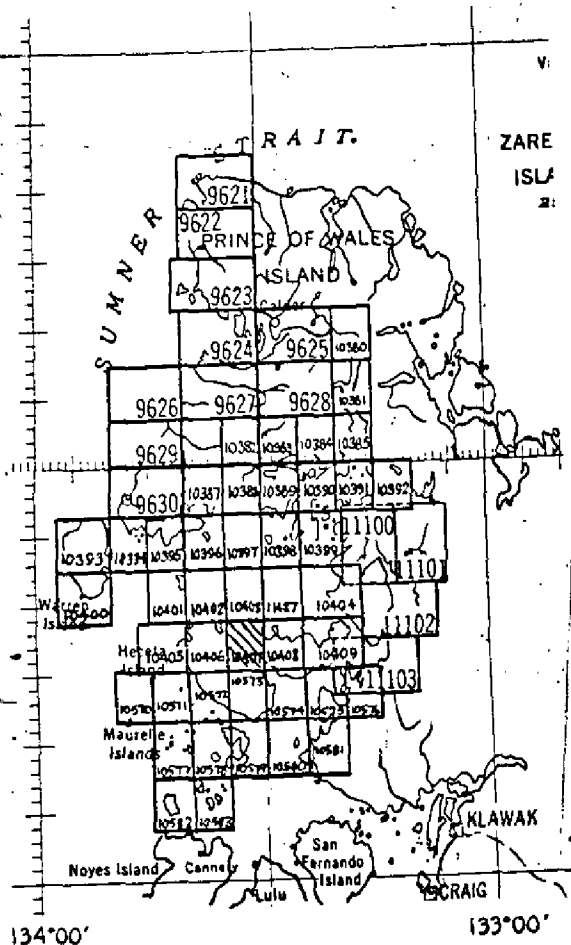
# SHORELINE MAPPING PROJECT PH- 87

Prince of Wales Island, Alaska

56°30'

56°00'

55°30'



## Project Ph-87 Official Mileage for Cost Accounts

| Sheet<br>No. | Area<br>Sq. Mi. | Lin. Mi.<br>Shoreline |
|--------------|-----------------|-----------------------|
| 9621         | 12              | 10                    |
| 9622         | 16              | 11                    |
| 9623         | 15              | 7                     |
| 9624         | 17              | 12                    |
| 9625         | 21              | 11                    |
| 9626         | 4               | 5                     |
| 9627         | 15              | 15                    |
| 9628         | 14              | 2                     |
| 9629         | 5               | 6                     |
| 9630         | 7               | 6                     |
| 11100        | 32              | 16                    |
| 11101        | 9               | 8                     |
| 11102        | 18              | 10                    |
| 11103        | 16              | 15                    |
| 10380        | 6               | 4                     |
| 10381        | 5               | 10                    |
| 10382        | 8               | 2                     |
| 10383        | 6               | 8                     |
| 10384        | 7               | 5                     |
| 10385        | 4               | 8                     |
| 10386        | 9               | 1                     |
| 10387        | 6               | 7                     |
| 10388        | 3               | 6                     |
| 10389        | 7               | 12                    |
| 10390        | 6               | 16                    |
| 10391        | 4               | 12                    |
| 10392        | 8               | 7                     |
| 10393        | 12              | 10                    |
| 10394        | 2               | 4                     |
| 10395        | 5               | 8                     |
| 10396        | 2               | 4                     |
| 10397        | 1               | 1                     |
| 10398        | 3               | 5                     |
| 10399        | 4               | 11                    |
| 10400        | 6               | 8                     |
| 10401        | 1               | 2                     |
| 10402        | 2               | 3                     |
| 10403        | 3               | 6                     |
| 11427        | 1               | 1                     |
| 10404        | 5               | 10                    |
| 10405        | 2               | 2                     |
| 10406        | 8               | 1                     |
| 10407        | 8               | 2                     |
| 10408        | 5               | 7                     |
| 10409        | 10              | 10                    |

10570  
10571  
10572  
10573  
10574  
10575  
10576  
10577  
10578  
10579  
10580  
10581  
10582  
10583

1  
1  
5  
6  
3  
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7  
1  
2  
1  
2  
12  
2  
2

1  
1  
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4  
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1  
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6  
2  
9  
6  
5

TOTAL 432

378



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SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-10407

Shoreline survey T-10407 is one of 58 similar surveys in project PH-87. It covers part of the shoreline of Warm Chuck Inlet on the south central coast of Heceta Island. See page 5 for the area within the project.

Most of the data for this survey had become lost prior to final review. The manuscript was received in final review with an incomplete manuscript classification. From the data available it is evident that it was originally compiled as a preliminary manuscript. Although all descriptive report data records were lost it appears that field identification of horizontal control was accomplished in 1956, a new radial plot assembled, the manuscript corrected and classified as incomplete. \* See below

Although contemporary hydrography did not extend into Warm Chuck Inlet a copy of the manuscript along with other photo-hydro support data was furnished the hydrographic party for preparation of the boat sheet and other use.

There is no field edit sheet or field edit report for this survey. All data concerning this survey available at the time of final review has been incorporated in the descriptive report.

The manuscript was a vinylite sheet 3 3/4 minutes in latitude by 5 minutes in longitude which was drafted and reproduced on cronaflex. One cronaflex positive and a negative are forwarded for record registry. The incomplete classification has been retained on these copies.

\* The field inspection accomplished in 1957 constituted an edit; however, the data was apparently never applied to the copy of the manuscript available for final review. The data was lost at the time of final review.  
~~Here~~ D.D.



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FIELD INSPECTION REPORT

HECETA ISLAND AND SOUTHWEST TUXEKAN ISLAND

NO OTHER SECTIONS APPLICABLE.

3. HORIZONTAL CONTROL:

*1956*

All triangulation stations on Manuscripts 10402, 10403 and 10405 thru 10409, and also in those areas on the south side of Heceta Island not covered by manuscripts, for which photographic identification was required, were recovered and pricked on photographs.

Stations identified were as follows:

|            |                     |             |
|------------|---------------------|-------------|
| HEN 1904   | SURF 1903           | LOST 1907   |
| OWL 1904   | BAY 1903            | SILLA 1914  |
| COON 1904  | LYNCH 1907          | SKIP 1914   |
| TIP 1904   | GULL ROCK 1903-21   | NAPUL 1914  |
| SNIFE 1904 | MIKE 1907           | SPIKE 1914  |
| GRASS 1903 | EMERALD 1907-22     | SWIFT 1914  |
| PINE 1903  | WHITE CLIFF 1907-22 | QUINCE 1914 |

14. SUPPLEMENTAL DATA:

Forwarded to the Director:

1. Control Station Identification Cards - forwarded via transmitting letter HDG 56-7 (4 Aug.) and HDG-56-13 (16 Oct.).
2. Nine Lens Office and Field Photographs - forwarded 29 Sept. via transmitting letter HDG-56-10.
3. Blue-line Tracings and Blackline Impressions - forwarded 16 Oct. via transmitting letter HDG-56-13.

Respectfully submitted,

*James P. Randall*  
James P. Randall,  
Lt.(jg), USC&GS

Approved and forwarded:

*Robert A. Earle*  
Robert A. Earle,  
CDR, USC&GS  
Comdg., Ship HODGSON



1957

## 2. AREAL FIELD INSPECTION

Sea Otter Sound and Karheen Passage are used principally by fishermen, logging companies and freight boats.

Rock outcroppings are metamorphic limestone and shale and are covered by a black scale at and above mean high water for a vertical span of from 2 to 4 feet.

Within the limits of this survey there are a number of cultural features.

On the north shore of Heceta Island at the extreme southern end of Sea Otter Sound, Lat.  $55^{\circ} 57' 00''$ , Long.  $133^{\circ} 21' 36''$ , there are four unoccupied buildings. There are four buildings still standing at Karheen, 800 meters south of station FLORA 1904-56 there is an abandoned fish trapper's cabin. A trapper's cabin can be found 500 meters south of station BARK 1904-57 and another is located at Lat.  $55^{\circ} 46' 15''$ , Long.  $133^{\circ} 20' 15''$ .

Three operating logging camps fall within or near the limits of this survey. Two of the camps show on the photographs, the third is a small gyppo outfit that has been logging in Port Alice. The camp is located on floats at the very head of Port Alice but the logging is being done just south and behind station PINE 1904-57.

The ruin of a barge is located in the long narrow gut immediately north of Karheen.

Densities and tones were not inspected inshore of the storm high water line.

Shoal and kelp areas were noted, where discernible, on the photographs.

## 3. HORIZONTAL CONTROL

- (a) Station PINE 1903-57, being in error in 1956, was reidentified and a Control Station Identification Card submitted.
- (b) Stations HEN, 1904-56 and COON 1904-56 were not reidentified.
- (c) Stations MARS 1914-52, STEAD 1952, QUINCE 1914 and WAR 1914 were reidentified and Control Station Identification Cards were submitted.
- (d) PEEP ROCK LIGHT 1957, CHAPIN ISLAND RANGE FRONT DAYBEACON 1957 and CHAPIN ISLAND RANGE REAR DAYBEACON 1957 were located by 3rd order triangulation.

## 4. VERTICAL CONTROL

Inapplicable.

## 5. CONTOURS AND DRAINAGE

Contours - inapplicable.



Within the limits of this survey there are a number of small streams, none of major importance.

#### 6. WOODLAND COVER

All land areas not covered by storm high water are densely forested with the exception of muskegs, logged areas and the higher mountains.

Conifers - hemlocks, spruce and cedars, comprise the major portions of the cover, with the cedars favoring the low wet areas.

Many small logging operations have been conducted in this area and though they span a number of years all are well defined.

Scattered patches of alder and crabapple can be found along the beaches, and show as a dark globular mass against the lighter conifers.

#### 7. SHORELINE AND ALONGSHORE FEATURES

The shoreline was inspected from the beach at all photo-hydro signals locations and from the boat in all other areas.

(a) The office interpretation of the mean high water line was, in general, quite accurate, even in the heavily shadowed areas. In all the large areas of shadowed shoreline, the mean high water line was located by sextant angles taken to photo-hydro signals. The angles were recorded on the back of the photographs. In smaller areas the shoreline was readily discernable and was delineated directly on the photographs.

(b) The low water line corresponds closely with the darker color tone at the offshore edge of alongshore and offshore features.

(c) The foreshore consists of rock outcrops and boulders, with the exception of deltaic muds, sands, and gravels, at the mouths of the larger streams.

(d) There are no noteworthy bluffs or cliffs.

#### 8. OFFSHORE FEATURES

All offshore features were visited. All shoal and foul areas were indicated on the photographs.

Visible rocks were indicated and their heights or depths, time and dates were noted.

All rocks not visible on the photographs were located by sextant angles to photo-hydro signals. The fixes were recorded on the back of the photographs along with the heights or depths, time, and date.

9. LANDMARKS AND AIDS

There are six (6) floating aids to and four (4) fixed aids to navigation located within the limits of this survey. They are:

Karheen Passage Daybeacon  
Point Swift Shoal Buoy 2  
Karheen Passage Buoy 1  
Karheen Passage Buoy 2A  
Ham Island Reef Buoy 3  
Chapin Island Range Front Daybeacon  
Chapin Island Range Rear Daybeacon  
Cob Island Reef Buoy 4  
Karheen Reef Buoy 6  
Peep Rock Light

Landmarks - none.

10. BOUNDARIES, MONUMENTS

Inapplicable.

11. OTHER CONTROL

None.

12. OTHER INTERIOR FEATURES

Not applicable.

13. GEOGRAPHIC NAMES

Geographic names will be covered in a separate report.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

(a) Forwarded to the Director:

1. Tidal Data, Karheen Tide Gage, via transmitting letter, 3 Aug. 1957 and 14 Oct. 1957.
2. Tidal Data, Port Alice Tide Gage, via transmitting letter, 14 Oct. 1957.
3. 9 Lens Field and Office Photographs, Scale 1/10,000, via transmitting letter 15 Oct. 1957.
4. Single Lens Field Photographs, via transmitting letter, 15 Oct. 1957.
5. Boat Sheets HO-1457, and HO-1557, via transmitting letter, 10 Oct. 1957.
6. Boat Sheet, HO-1657 via transmitting letter 16 Oct. 1957

(b) Forwarded with this report:

1. Control Station Identification Card
2. Nine Lens Field and Office Photographs, Scale 1/10,000

(c) To be forwarded to the Director:

1. Description of Triangulation Stations.
2. Geographic Names Report
3. Coast Pilot Notes

Respectfully submitted,

*Loyd D. Thurman*  
Loyd D. Thurman,  
Ens., C&GS

Approved and forwarded:

*E. W. Richards*  
E. W. Richards,  
LCDR, C&GS  
Comdg., Ship HODGSON



# PHOTOGRAMMETRIC PLOT REPORT

Project 27070 (6087)  
Surveys T-10402 thru T-10409 & T-11427

## 21. AREA COVERED

This radial plot covers the area of surveys T-10402 thru T-10409 and the southwest corner of T-11427. They are shoreline surveys along north shore of Heceta Island near Prince of Wales Island, Alaska, from Tuxekan Island to Cape Lynch.

## 22. METHOD - RADIAL PLOT

### Map Manuscripts:

Vinylite sheets with polyconic projections in black and U.T.M. Alaska, Zone 8 grids in red, at a scale of 1:10,000 were furnished by the Washington Office.

All control stations and some substitute stations were plotted using the meter bar and beam compass, the remaining substitute stations were plotted graphically.

Base sheets were prepared in this office.

A sketch, showing the layout of surveys and distribution of control and photograph centers, and a list of unidentified stations which are numbered on the sketch, are attached to this report.

### Photographs:

There were forty-nine (49) nine-lens unmounted photographs, at a scale of 1:10,000 used in this plot. The photographs are numbered as follows:

|                  |                   |
|------------------|-------------------|
| 41320 thru 41325 | 51994 thru 52006  |
| 41691 and 41692  | 52029 thru 52035  |
| 41713 and 41714  | 52037B thru 52041 |
| 41728 and 41729  | 52073 thru 52079  |
|                  | 52165 thru 52169  |

### Templets:

Vinylite templets were made for all photographs using a master templet to correct for errors due to paper distortion and chamber displacement.

### Closure and Adjustment to Control:

This radial plot is an extension of the supplementary plot for Surveys T-10397 thru T-10399 (See Descriptive Report for surveys No. T-10382 thru T-10384). The radial plot was constructed starting from T-10404 and running southward to T-10409, tying into control identified in the field in 1952. The plot was then bridged westward across Heceta Island, to survey T-10405 and to the pass points previously established

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on survey T-10401. Eight (8) of the thirty-eight (38) field identified control stations could not be held, but a satisfactory plot was obtained.

Transfer of Points:

Each map manuscript was placed over the finished plot and oriented holding common grids and all pass points and photograph centers were pricked on the map manuscript.

23. ADEQUACY OF CONTROL

There was adequate control to obtain a satisfactory radial plot.

The following stations could not be held in the plot.

LIME, 1952 - The radially position falls approximately 10 meters to the SSW of the plotted position. This station falls outside of the delineation area. The error is probably due to difficulty of transfer to new photography. Since there were sufficient other stations to control the plot, no further investigation was made.

QUINCE, 1914 - The radially plotted position falls approximately 27 meters to the SE of the plotted position. This is believed to be misidentified in the field. The point which is identified can not be seen from NUT, 1914 and ANON, 1914, to the southwest.

HEN, 1904 - The radially plotted position for the Sub. Pt. falls 196 meters to the east of the plotted position. This was misidentified in the field on another reef. It was not re-identified in the office.

COON, 1904 - The radially plotted position falls 6 meters to the west of the plotted position. This station was misidentified in the field. It could not be re-identified accurately in the office.

NAPUL, 1914 - This station was not held in the radial plot but due to lack of a sketch re-identification could not be made. It is probably misidentified on another boulder. This station is outside of the project limits and there is sufficient other control for a satisfactory plot.

PINE, 1903 - The radially plotted position falls approximately 980 meters (0.6 mile) south of the plotted position. The sketch did not agree with the area at the true position and no attempt was made in this office to try to re-identify it.

LEAN, 1903 - The geographic position for this station plots in deep water on chart 8171. No rocks or other detail show on the photographs in this area. It is assumed that the published position might be incorrect. The position is unchecked.

SOUTH POINT, LOW BLACK POINT, 1903 - The geographic position for this station plots in deep water on Chart 8171. No rocks or other detail show on the photographs in this area. It is assumed that the published position might be incorrect. The position is unchecked.

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BAY, 1903 - The radially plotted position for Sub. Pt. No. 1 falls 13 meters to the south southwest of the plotted position. The radially plotted position of Sub. Pt. No. 2 falls 47 meters to south of the plotted position. These are believed to be misidentified in the field. The Sub. Pts. are potholes in an area where they are numerous. It was not possible to re-identify the correct image points.

WHITE CLIFF, 1907-22 - This station is believed to be misidentified in the field. Since this station is far outside of the project limits; stations MIKE, 1907 and EMERALD, 1907-22, which are closer to the project were held.

More time was consumed in identifying the control in this plot than in a normal plot. The greatest amount of time was used in trying to prick on the office photographs points identified on the field photographs that did not agree for various reasons such as, with the information on the identification cards and/or Form 526. The following is a list of some of the stations where a great deal of time was consumed:

MIKE, 1907  
SILLA, 1914  
OWI, 1904  
COON, 1904  
LIME, 1952

SWIFT, 1914  
MARS, 1914  
HEN, 1904  
GRASS, 1903  
BAY, 1903  
WHITE CLIFF, 1907-22

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

The photograph definition and photograph coverage for this plot was good. It was noted, however, when making templets that some difficulty was encountered in trying to adjust the templet to the fiducial marks on the photographs in the center chambers. A study was made of this 1955 copy but there seemed to be no apparent answer for this trouble.

Respectfully submitted  
14 March 1957

Leroy A. Senasack  
Carto. Photo. Aid

LIST OF CONTROL NOT IDENTIFIED

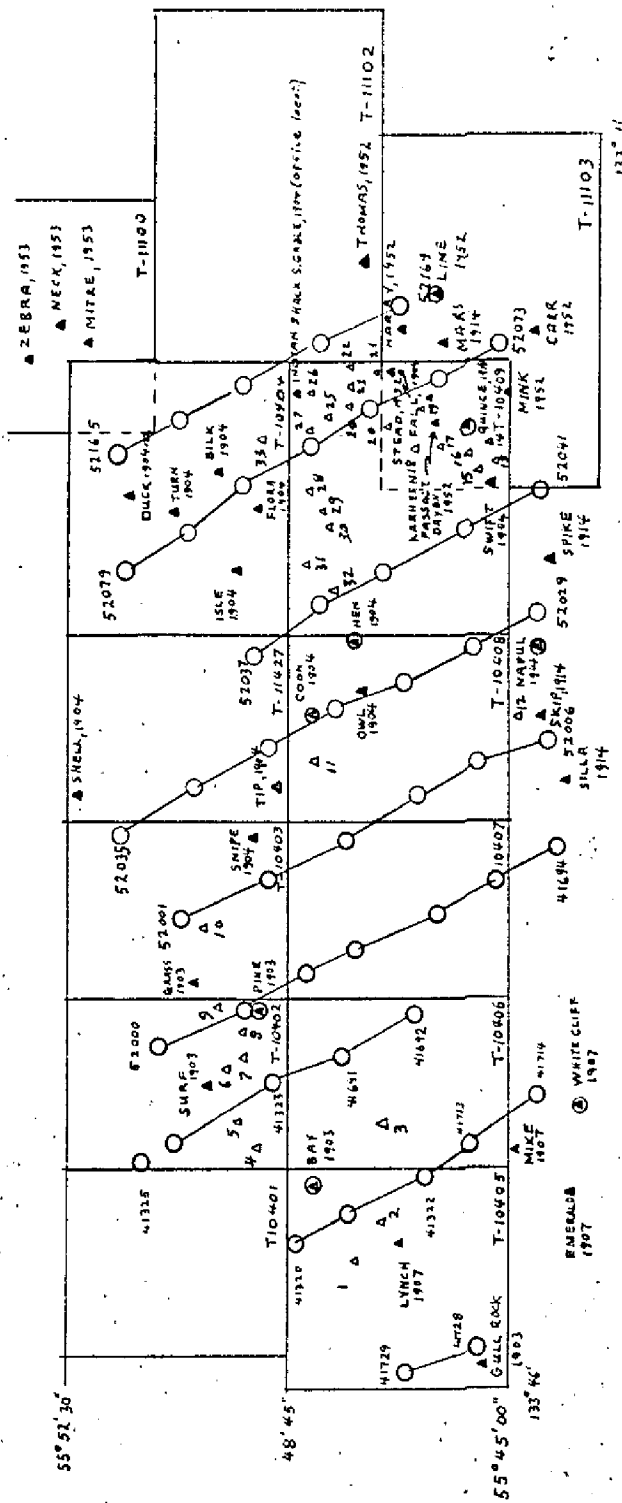
Project 27070 (6087)

Surveys - T-10402 thru 10409 & T-11427

1. SOUTH POINT, LOW BLACK POINT, 1903
2. OTTER, 1903
3. COVE MOUNTAIN, 1903
4. CLIFF, 1903
5. FOW, 1903
6. SPRAY, 1903
7. FOAM, 1903
8. LEAN, 1903
9. CORN, 1903
10. FLAT, 1904
11. FLY, 1904
12. MANO, 1914
13. WAR, 1914
14. NUT, 1914
15. MAST, 1914
16. ANON, 1914
17. SURP, 1914
18. RATO, 1904
19. DENT, 1914
20. LOG POINT, 1904
21. HOPE, 1904
22. TRIM, 1904-14
23. COB, 1904 - 14
24. VEX, 1904
25. CHOP, 1904
26. LEDGE, 1904-14
27. AID, 1904
28. BARN, 1904
29. DEAD, 1904 (Reported lost 1956)
30. PUP, 1904
31. BOLD, 1904
32. SAW, 1904
33. PEEP, 1904

# LAYOUT SKETCH PROJECT 27070

SURVEYS: T-10402 thru T-10409 and T-11427



PRELIMINARY COMPILATION REPORT  
and  
NOTES TO HYDROGRAPHER

Surveys T-10402 thru  
T-10409 and T-11427

These manuscripts were delineated by office interpretation. A small amount of field inspection on Navy photographs, scale 1:20,000 was available in Karheen Passage (T-10409) from the 1952 season.

The computed tides at the time of photography were found to be high tide to the west of Port Alice (T-10402 and T-10405) and low tide to the east of Port Alice. (T-10403, T-10404, T-10406 thru T-10408). High tide photography also was available on the eastern shore of Port Alice.

The edge of the water as imaged on the high water photographs was used as the shoreline. On the low water photographs, the office interpretation of the MHWL was difficult especially in the areas of wide sloping beaches. In Karheen Passage, the field inspection done in 1952 indicated the shoreline to be at the tree line.

Where the shoreline was obscured by shadows or relief displacement of trees, a broken line or approximate shoreline was delineated.

The foul line symbol was used to outline areas of doubtful interpretation which may be shallow, foul, debris, kelp, etc.

The following are the aids to navigation in this area:

- Surf Point Light, T-10402 - could not be office identified.
- Peep Rock Light, T-10404 - was office identified.
- Cape Lynch Light, T-10405 - Field identified in 1956.
- Karheen Passage Daybeacon, T-10409 - located in 1952.
- Chapin Island Range Front Daybeacon, T-10409 - was office identified.
- Chapin Island Range Rear Daybeacon, T-10409 - was office identified.

Buildings and cultural details at Karheen and at the lumber camp to the north of Karheen should be field inspected.

Verify building on island 800 meters southwest of triangulation station FLORA, 1904.

Respectfully submitted

Approved and forwarded

Frank J. Tarcza,  
Super. Carto. (Photo.)

William F. Deane,  
CDR, C&GS  
Baltimore District Officer

January 3, 1969

GEOGRAPHIC NAMES

FINAL NAME SHEET

Ph-87 (Heceta Island, Alaska)

T-10407

Heceta Island

Warm Chuck Inlet

Approved by:

*A. J. Wraight*

A. Joseph Wraight  
Chief Geographer

Prepared by:

*Frank W. Pickett*

Frank W. Pickett  
Cartographic Technician



## PHOTOGRAMMETRIC OFFICE REVIEW

T-10407

|   |  |   |   |
|---|--|---|---|
| 1. PROJECTION AND GRIDS<br>✓  | 2. TITLE<br>✓  | 3. MANUSCRIPT NUMBERS<br>✓                  | 4. MANUSCRIPT SIZE<br>✓                     |
| CONTROL STATIONS  |  |   |   |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY<br>✓   | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)<br>✓ |   | 7. PHOTO HYDRO STATIONS<br>✓                |
| 8. BENCH MARKS  | 9. PLOTTING OF SEXTANT FIXES   | 10. PHOTOGRAMMETRIC PLOT REPORT<br>✓        | 11. DETAIL POINTS<br>✓                      |
| ALONGSHORE AREAS (Nautical Chart Data)  |  |   |   |
| 12. SHORELINE<br>✓  | 13. LOW-WATER LINE<br>✓  | 14. ROCKS, SHOALS, ETC.<br>✓                | 15. BRIDGES                                 |
| 16. AIDS TO NAVIGATION<br>✓   | 17. LANDMARKS<br>✓   | 18. OTHER ALONGSHORE PHYSICAL FEATURES<br>✓ | 19. OTHER ALONGSHORE CULTURAL FEATURES<br>✓ |
| PHYSICAL FEATURES   |  |   |   |
| 20. WATER FEATURES<br>✓   |  | 21. NATURAL GROUND COVER                    | 22. PLANETABLE CONTOURS                     |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS  | 24. CONTOURS IN GENERAL  | 25. SPOT ELEVATIONS                         | 26. OTHER PHYSICAL FEATURES                 |
| CULTURAL FEATURES   |  |   |   |
| 27. ROADS<br>✓  | 28. BUILDINGS<br>✓   | 29. RAILROADS<br>✓                          | 30. OTHER CULTURAL FEATURES<br>✓            |
| BOUNDARIES  |  |   |   |
| 31. BOUNDARY LINES<br>✓   |  | 32. PUBLIC LAND LINES<br>✓                  |   |
| MISCELLANEOUS   |  |   |   |
| 33. GEOGRAPHIC NAMES<br>✓   |  | 34. JUNCTIONS<br>✓                          | 35. LEGIBILITY OF THE MANUSCRIPT<br>✓       |
| 36. DISCREPANCY OVERLAY   | 37. DESCRIPTIVE REPORT<br>✓  | 38. FIELD INSPECTION PHOTOGRAPHS<br>✓       | 39. FORMS<br>✓                              |
| 40. REVIEWER<br>Final<br><i>Leo F. Beugnot</i>  |  | SUPERVISOR, REVIEW SECTION OR UNIT          |   |
| 41. REMARKS (See attached sheet)  |  |   |   |
| FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT  |  |   |   |
| 42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43. |  |   |   |
| COMPILER  |  | SUPERVISOR                                  |   |
| 43. REMARKS<br><i>This form prepared by the final reviewer at the time of final review.</i>   |  |   |   |



REVIEW REPORT T-10407  
SHORELINE  
APRIL 15, 1969

61. GENERAL STATEMENT:

See Summary which is page 6 of the descriptive report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with a copy of registered survey No. 3448, a 1:10,000 scale survey made in 1914. The shoreline of that survey is not in good agreement with that of T-10407. Survey No. 3448 appears to have been the source of the shoreline for Chart 8157 and any difference between the shoreline of the chart and survey T-10407, as shown on the comparison print, also exist between surveys 3448 and T-10407.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS CRAIG (D-5), ALASKA, 15 by 20 minute quadrangle, 1:63,360 scale, edition of 1951. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy <sup>of</sup> an unreviewed survey H-8393. As previously stated there is no contemporary hydrography in Warm Chuck Inlet. The only shoreline common to the two surveys is a small area at the northeast corner of T-10407. There were no discrepancies between the two surveys in this area.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 8157, 6th edition, February 21, 1966. The shoreline of the chart is not in good agreement with that of T-10407. The difference has been indicated on the comparison print in red.

Five submerged rocks near latitude 55° 45.5' longitude 133° 30.7' on the chart are not visible on the photographs.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

The delineation of the manuscript was reviewed by the final reviewer using office photographs 51995 thru 51997

and 52002 thru 52005.

This survey complies with instructions and meets the National Standards of Map Accuracy. *Refer to page 6*

Approved by:

Reviewed by:

*For*   
Allen L. Powell, RADM, USESSA  
Director, Atlantic Marine Center

  
Leo F. Beugnet

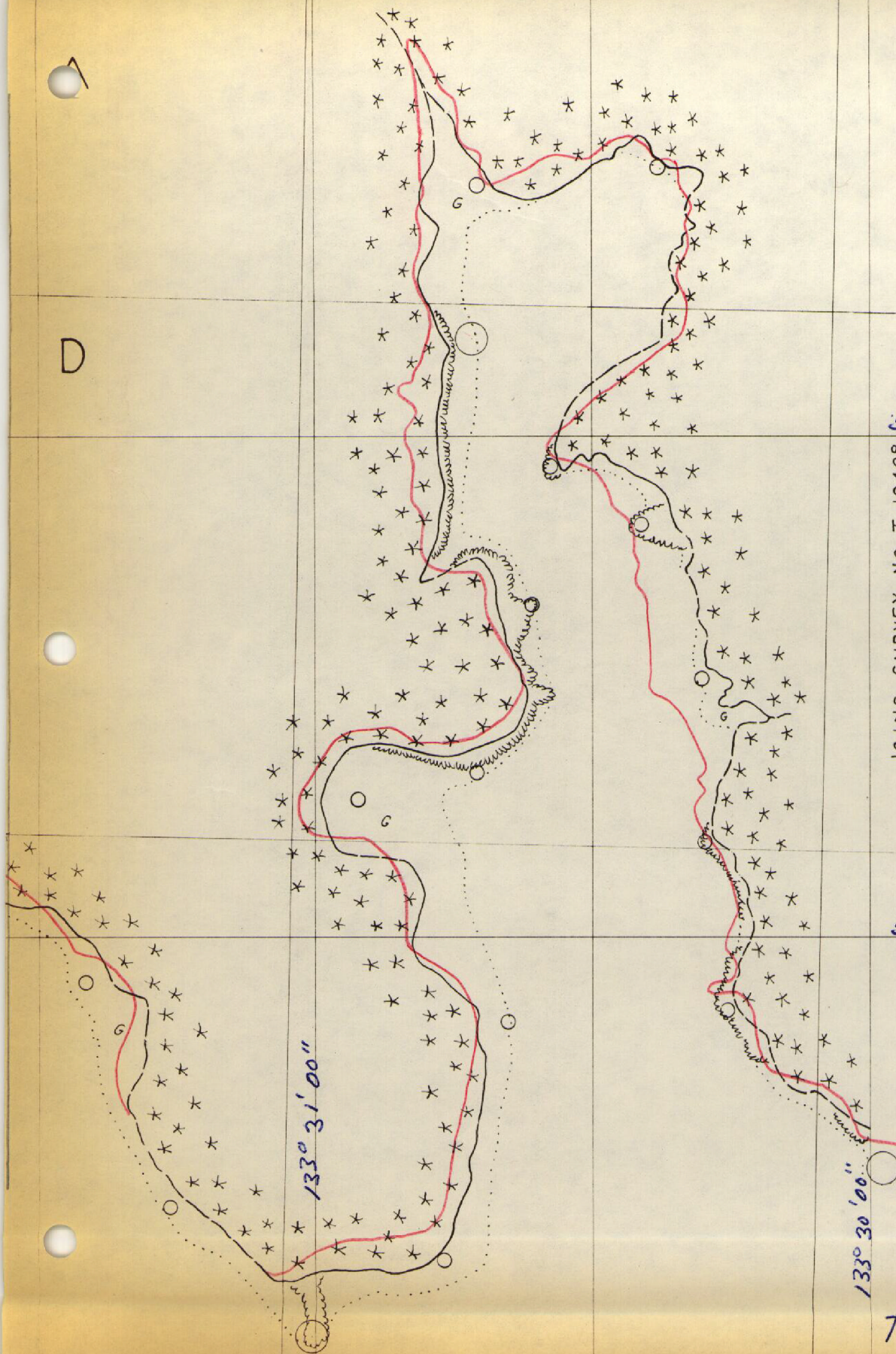
Approved by:

  
Chief, Photogrammetric Branch *ss*

  
Chief, Photogrammetry  
Division

Chief, Nautical Chart Division

D



$55^{\circ} 47' 00''$

JOINS SURVEY NO 7-10408

$55^{\circ} 46' 30''$

$133^{\circ} 30' 00''$

T-10407



S

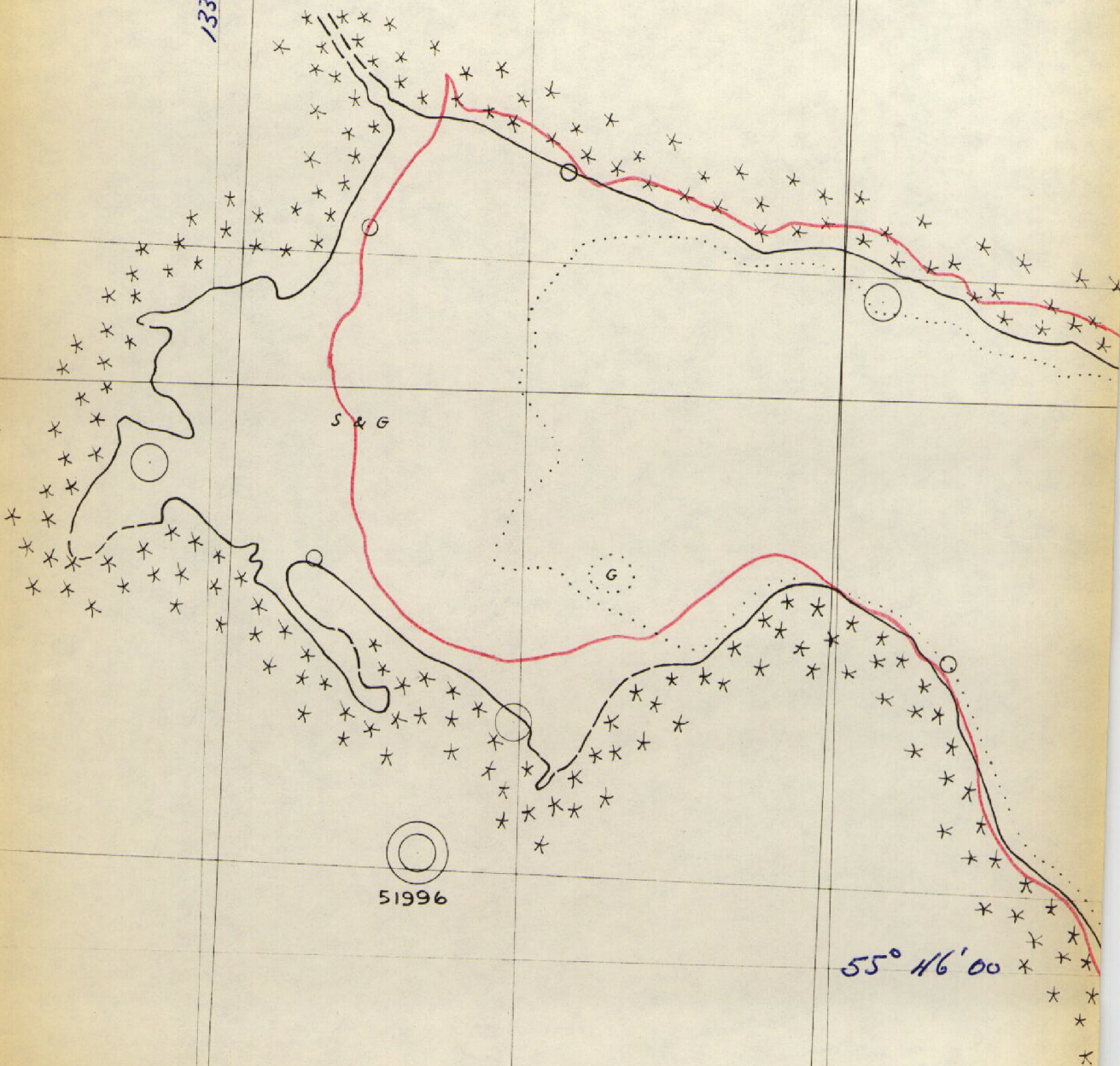
L

A

N

55° 47' 00"

133° 33' 00"



51996

55° 46' 00"

133° 33' 00"

133° 32' 00"

T-10407



46'

WARM  
CHUCK INLET

*No rocks visible on  
photos*

MANUSCRIPT  
-10407  
SCALE 1:10000  
A ISLAND  
CHUCK INLET  
IC PROJECTION  
KAGRID ZONE 8  
L DATUM NA 1927

55°45'

31'

T-10407

133° 30'

Ph-87

MANUSCRIPT

...ic plot or field identified control,  
...e furnished at this time primarily  
...be completed later, after which