

11911

Diag. Cht. No. 4116.

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT
Type of Survey <u>SHORELINE (PHOTOGRAMMETRIC)</u> Field No. <u>Ph-6012</u> Office No. <u>T-11911</u>
LOCALITY State <u>Hawaii</u> General locality <u>Maui Island</u> Locality <u>Hana</u>
<u>1960 - 1962</u> CHIEF OF PARTY <u>H. J. Seaborg, Honolulu District Office</u> <u>W. E. Randall, Baltimore District Office</u>
LIBRARY & ARCHIVES DATE _____

USCOMM-DC 5087

11911

DESCRIPTIVE REPORT - DATA RECORD

T -11911

PROJECT NO. (II):

PH 6012

FIELD OFFICE (II):

Honolulu, Hawaii

CHIEF OF PARTY

H. J. Seaborg

PHOTOGRAMMETRIC OFFICE (III):

Baltimore, Maryland

OFFICER-IN-CHARGE

W. E. Randall

INSTRUCTIONS DATED (II) (III):

14 November 1960
28 November 1960
13 June 1961
16 January 1962

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):

1:5,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:5,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

Old Hawaiian

VERTICAL DATUM (III):

MSL
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):

KAUIKI (HGS) (HTS-1929), 1878

LAT.:

20° 45' 26.780"

LONG.:

155° 59' 03.889"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

= 154,524.71

x = 733,096.95

STATE

Hawaii

ZONE

2

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

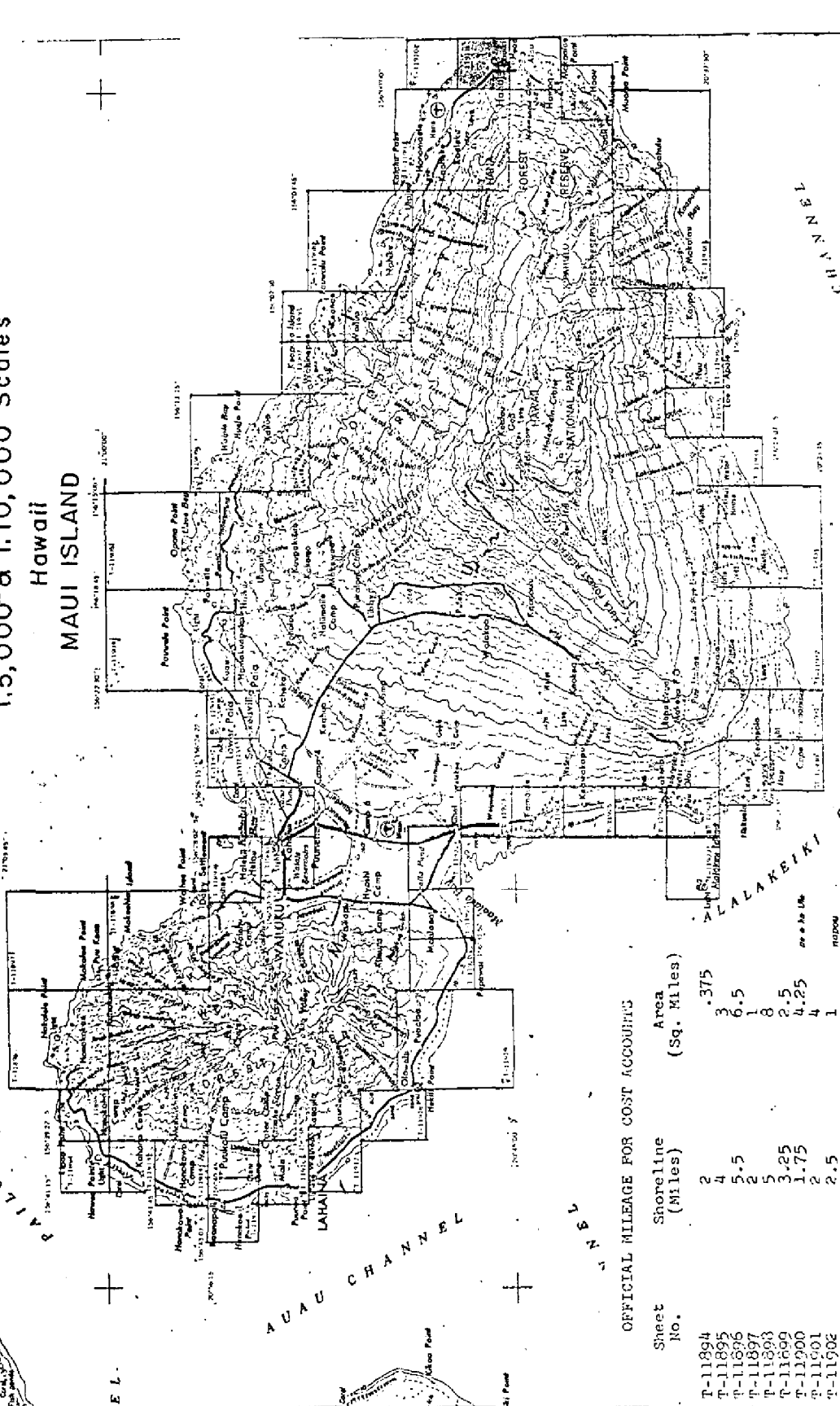
FIELD INSPECTION BY (II):		DATE:
J. C. Lajoie		March 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Mean high water located by Kelsh Plotter using photography of October 1960 supplemented by 1960 color and 1962 panchromatic photography.		
PROJECTION AND GRIDS RULED BY (IV):		DATE
R.A.C.		11-30-60
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
J.D.C.		12-6-60
CONTROL PLOTTED BY (III):		DATE
L. A. Senasack		3-7-62
CONTROL CHECKED BY (III):		DATE
L. O. Neterer		3-7-62
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
Aerotriangulation - Washington Office		1961
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	D. M. Brant	5-62
	CONTOURS -	DATE
D. M. Brant	Inapplicable	
MANUSCRIPT DELINEATED BY (III):		DATE
D. M. Brant		5-62
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
J. D. Mc Evoy		5-62
REMARKS:		

COMPILATION RECORD

COMPLETION DATEREMARKS

Planimetric Mapping 1:5,000 & 1:10,000 Scales

Hawaii MAUI ISLAND



OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11894	2	.375
T-11895	4	3
T-11896	5.5	6.5
T-11897	2	1
T-11898	5	8
T-11899	3.25	2.5
T-11900	1.75	4.25
T-11901	2	1
T-11902	2.5	1
T-11903	2	2
T-11904	5	6
T-11905	4.5	4
T-11906	6.5	10
T-11907	7	7.8
T-11908	5	6
T-11909	4.7	16
T-11910	.75	.25
T-11911	2.7	2
T-11912	2.2	3
T-11913	2.2	4.5
T-11914	2.5	2.2
T-11915	2.5	4
T-11916	2.5	4
T-11917	2.6	4
T-11918	3	4
T-11919	4	6

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11922	3	3
T-11923	2	3
T-11924	2.5	2.5
T-11925	2.5	1.5
T-11926	2.5	1
T-11927	1	.04
T-11928	3	1.5
T-11929	4.5	3
T-11930	1.5	.25

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Shoreline (Miles)	Area (Sq. Miles)
T-11931	2.5	1.5
T-11932	4.5	12
T-11933	5	8
T-11934	2.7	3
T-11935	2.5	4
T-11936	5	4
T-11937	5	6
T-11938	4.5	3
T-11939	2.5	2.5
T-11940	2.5	2.5

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11911

Shoreline manuscript T-11911 is one of forty-nine similar maps in this project and covers a part of the coastline of Maui Island. This was a Kelsh project in advance of hydrographic surveys in the area. The field operations preceding compilation included recovery and identification of horizontal control and field inspection. The Kelsh compilation was at 1:5,000 scale from 1:25,000 scale photography obtained in October 1960. A cronaflex positive showing shoreline, alongshore features and shoreline pass points was furnished for the hydrographer's best sheet along with 1:5,000 scale ratio prints for



FIELD INSPECTION REPORT
T-11911

Please refer to the Field Inspection Report for Maui Island,
Hawaii bound with the Descriptive Report for T-11991.

SCALE FACTOR

1 Ft. = 3048006 METER	J.C.R.	11 July 1962	Brant	13 July 1962	COMM-DC-57843
COMPUTED BY:		DATE:	CHECKED BY:	DATE:	

COMPILATION REPORT T-11911

For additional data pertaining to this survey please refer to the Field Inspection Report for Maui Island bound with T-11991 and the Photogrammetric Plot Report bound with T-11907.

Items 31 thru 36

Please refer to the Compilation Report bound with T-11896

37. LANDMARKS AND AIDS

The FLAGPOLE on Chart 4113 at Latitude $20^{\circ} 45' 35''$, Longitude $155^{\circ} 59' 18''$ was not located. The aids to navigation have been submitted on Form 567.

38. CONTROL FOR FUTURE SURVEYS

No control for future surveys was located during compilation.

39. JUNCTIONS

Satisfactory junctions were made with T-11909 on the west; with T-11910 on the north and with T-11989 on the south. The Pacific Ocean is on the east.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Hana, Hawaii quadrangle, 1:24,000 scale, edition of 1957.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 4113, scale 1:5,000, 3rd edition, revised October 31, 1949 and with Chart 4116, scale 1:250,000, 12th edition, August 17, 1964.

ITEMS TO BE APPLIED TO CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

Verify existence of Flagpole mentioned in item 37.

Respectfully submitted:

Joseph Steinberg
For: Donald M. Brant
Carto. (Photo.)

Approved:

D. Hollis
for J. Bull
Capt. C&GS.
Norfolk Regional Officer

T-11911

48. Geographic Names List:

The Geographic names listed below were furnished by the Washington Office on U.S.G.S. Hana, Hawaii 7½ minute quadrangle, scale 1:24,000, edition of 1957.

Hana

Hana Bay

Kaihalulu Bay

Kainalimu Bay

Kauiki Head

Kawaipapa Gulch

Nanualele Point

Pacific Ocean

Papaloa

Puuku Island

Twin Rocks

Umalei Point

— *Puukii Island (Geo. Name Board
decision 1970, G.N.H.
6/17/76)*

ALL NAMES APPROVED BY
GEOGRAPHIC NAMES SECTION
UNLESS OTHERWISE MARKED.

A. J. Wright

Ph-6012
Maui Island, Hawaii
T-11910 and T-11911

49. NOTES FOR THE HYDROGRAPHER

A set of ratio photographs (taken in 1960 and 1962) has been prepared for use during photo-hydro support.

Color photography was used as an aid in interpreting offshore details and foul lines.

The positions of the following hydrographic signal sites identified on field inspection photographs have been established photogrammetrically for the following surveys:

Signal No.	Description	Photo. No.
	<u>T-11910</u>	
1001	Rag on point	2960
	<u>T-11911</u>	
8907	North of two palms n. m.	2377
1101	Hawaiian church steeple	2376
1102	Northeast corner of wharf	2376
1103	Dome shaped rock	2376
1104	East corner of pavillion	2376
1105	Hana Bay Range Front Daybeacon	2374
1106	Hana Bay Range Rear Daybeacon	2374
1107	Ironwood tree	2376
1108	Flag at east end of log	2960
1109	Center of red roof	2960
1110	High point of overhanging rock	2960
1111	Flag at indentation	2960
1112	High point of rock	2960
1113	Center of offshore rock	2960

FORM 182
(8-61)

50

PHOTOGRAMMETRIC OFFICE REVIEW

T-11911

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

1. PROJECTION AND
GRIDS

2. TITLE

3. MANUSCRIPT
NUMBERS

4. MANUSCRIPT
SIZE

FIELD EDIT REPORT
T-11911

No formal Field Edit Report was received. Please refer to the two following Memorandums concerning field edit of this manuscript.

Memorandum

244 14.

DATE: 8 July 1963

TO : The Director
Coast and Geodetic Survey
U.S. Department of Commerce
Washington 25, D.C.

FROM : Commanding Officer
USSR's Pathfinder
905 Federal Office Building
Seattle, Washington

SUBJECT: Field Edit Report - CCR-419

During the first half of the 1963 field season, Pathfinder personnel field edited the manuscript. Below for accuracy and on plotment, all recommended changes have been noted on the manuscript in red and green ink. In general, the manuscript was found to be very reliable with only minor discrepancies being noted.

Four manuscripts with noted changes are being forwarded to the Washington office on July 9. Three manuscripts with no recommended changes have been noted below. The remaining manuscripts will be forwarded as soon as we have the opportunity to compare them with the best charts now in Washington for photoreproducing.

8-11901	Edited - No changes
8-11903	Edited - Will be forwarded later
8-11907	Edited - Will be forwarded later
8-11908	Edited - Will be forwarded later
8-11909	Edited - Will be forwarded later
8-11910	Edited - Will be forwarded later
8-11911	Edited - Will be forwarded later
8-11912	Forwarded 9 July
8-11913	Edited - No recommended changes
8-11914	Edited - No recommended changes
8-11915	Edited - No recommended changes
8-11916	Forwarded 9 July
8-11917	Forwarded 9 July
8-11918	Forwarded 9 July
8-11919	Edited - Will be forwarded later
8-11920	Edited - Will be forwarded later

It is suggested that these manuscripts be returned to the Ship as soon as is practical as they will be needed for smooth plotting.

E. J. Seaberg
E. J. Seaberg
Captain, USCGS

MEMORANDUM

15.
6314

TO : Chief, Photogrammetry Division

DATE: January 24, 1964

C 6314/w

FROM : Commanding Officer
USC&GS PATHFINDER
705 Federal Office Bldg.
Seattle 4, Washington 98104

SUBJECT: Field Edit data, Project 2101 (Ph-6012), Maui Island,
Hawaii

Manuscripts T-II907 and T-II991 were corrected and sent 1/9/64 with transmittal letter PATH I-64. Manuscripts T-II906, T-II908 through T-II911 and T-II992 are being sent. Shoreline revision was necessary on T-II909 and T-II908 only.

Replying to 6314/ih

2. L. Hollis
H. J. Seaborg Capt. USC&GS
Cmdr PATHFINDER
Seattle, Washington

Joe

*You will not receive any indication
of this letter re Field Edit of
manuscripts with no changes noted. The
manuscripts (T-II907) proposedly copies will be
transmitted with no changes.
Sent back to the Chief (T-II907) for
the 14000. 63010.*

1/24/64

16.

REVIEW REPORT T-11911
SHORELINE

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A visual comparison was made with Registered Planetable survey No. 3274, 1:20,000 scale dated March 14, 1914.

Shoreline manuscript T-11911 supersedes Planetable survey No. 3274 and should be used for nautical chart constructions.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. Hana, Hawaii 7½ minute quadrangle 1:24,000 scale, edition of 1957.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with copies of boat sheets H-8719-PF-5-1-63 sheet DD and H-8719-PF-10-2-63 sheet CC. The differences in the boat sheets and manuscript are apparent on the Comparison Print.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical charts 4113, 1:5,000 scale, 3rd edition dated October 1941, revised October 31, 1949 and with 4116, 1:250,000 scale, 12th edition, August 17th 1964.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with project instructions and meets the National Standards of Map Accuracy.

* Refer to page 19

Reviewed by:

Leo F. Bugnet

Approved by:

S. Hollis
for J. Bull, Director, Atlantic Marine Center

Approved by:

Charles L. Lerner
Chief, Cartographic Branch *ALB*

L. F. Woodward
Chief, Photogrammetry Division

John C. Boyer 2/21/68
Chief, Chart Division
Marine

Chief, Operations Branch

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE REVISED
TO BE DELETED

STRIKE OUT TWO

I recommend that the following objects which have ~~(these ones)~~ 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 by

Leo F. Beugnet

Joseph Steinberg

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

*** TABULATE SECONDS AND METERS**

USCOMM-DC 25412-P61

NOTES TO VERIFIER
H-8719
(Comparison with T-11911)

There are differences between the surveys in the representation of those alongshore areas that are foul with rocks. In addition, there are differences between T-4059, scale 1:5,000 and both the subject surveys in the representation of these areas. T-4059 is the basic source for topography on Nautical Chart 4113, scale 1:5,000.

T-11911 was compared with bromide copies of the boat sheet (H-8719) during final review. Discrepancies in shoreline - apparently the result of error in application of T-11911 shoreline to the boat sheet - were noted on the Comparison Print.

Additional comparison notes follow.

For the most part the hydrographer accepted bare rocks delineated on the shoreline survey. Rocks "awash" were not carried forward. The following note was included by the hydrographer in one area: "many sunken and breaking rocks in this area". Acceptance or non-acceptance, for charting purposes, of those rocks mapped as "awash" on the shoreline survey is not indicated by the hydrographer.

One rock, located at latitude 20°45'41" and longitude 155°58'59" on T-11911; falls in a developed sounding area. The Photogrammetry Division should be notified if the sounding volume or the Descriptive Report indicate that, as a result of field checks, the mapped rock was found not to exist.

Rock was not found by the hydrographer. However, it is not considered disproved. The Hydro Reviewer recommends charting as a subm. rock.

Soundings were carried inshore of foul lines originating with the shoreline survey. The shoreline survey manuscript and negative will not be changed at this time to reflect the hydro edit of foul lines due to the possibility of the requirement for additional changes resulting from the hydro survey review.

W. O. Review Unit

PH-6012

T-11911

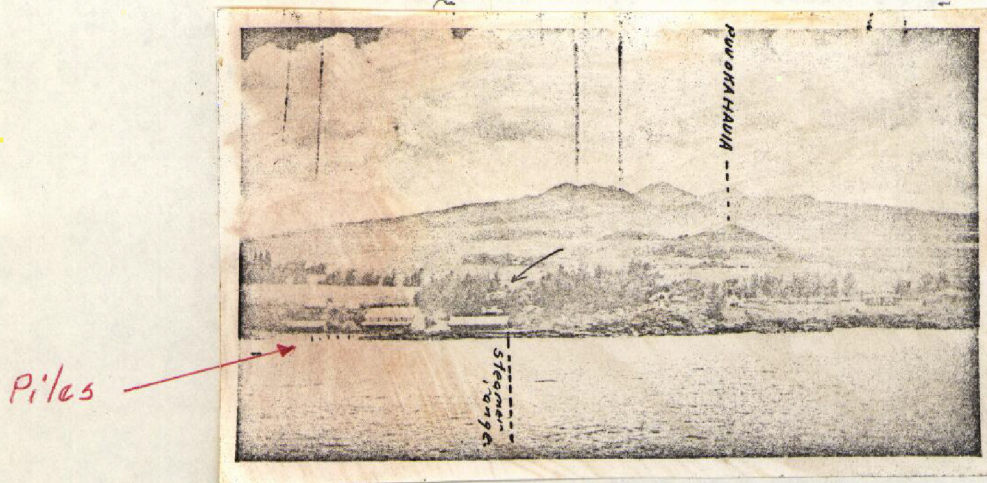
February 10, 1977

The Marine Chart Division requested clarification of four (4) unlabeled objects (shown with a 0.6mm circle) on T-11911. These objects are located in Hana Bay (latitude 20°45.6') and were not identified during field investigation.

All field data (on file) was examined and no identification was made for the four objects. Field inspection photographs 60-W-2374 and 2376 show the images of these objects.

A photograph (snapshot) bound in the Descriptive Report for topographic survey 4059, dated 1924 shows piling in this area. A copy of this photograph is attached.

These objects were labeled piles on T-11911 after this examination.



Submitted by:

Donald M. Brant

Donald M. Brant