

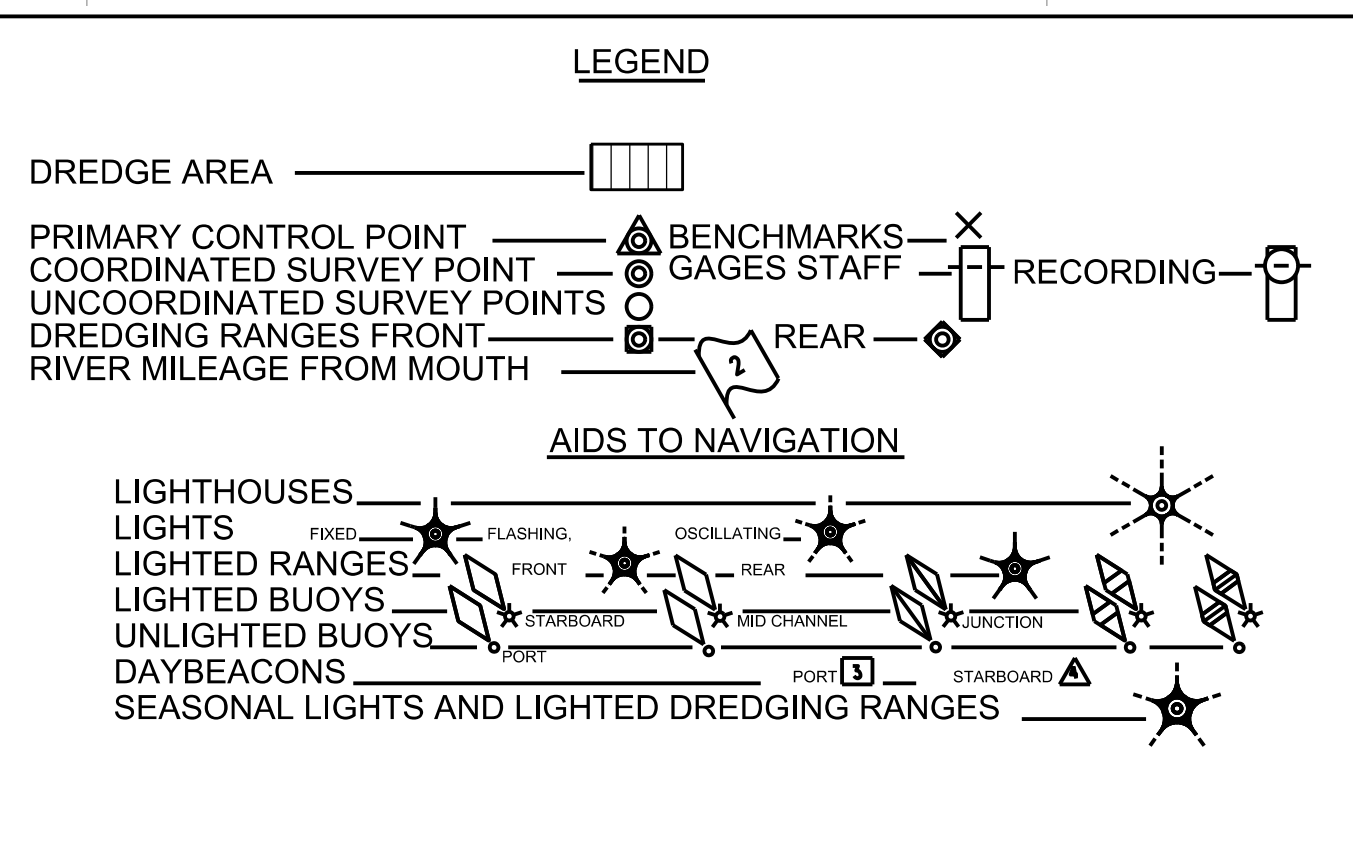
| | EASTING | NORTHING |
|---|--------------|-----------|
| 1 | 1,596,478.71 | 54,450.21 |
| 2 | 1,599,505.08 | 57,477.07 |
| 3 | 1,600,274.55 | 58,485.28 |
| 4 | 1,601,299.51 | 58,489.67 |
| 5 | 1,602,209.25 | 57,318.81 |
| 6 | 1,600,936.92 | 56,045.27 |
| 7 | 1,599,964.68 | 57,017.48 |
| 8 | 1,599,681.84 | 57,017.45 |
| 9 | 1,596,796.91 | 54,132.03 |

| AID NAME | LATITUDE | LONGITUDE |
|-----------------------------|---------------|-----------------|
| BARBERS PT HBR ENT CH LB 2 | 21°18'55.404" | -158°07'40.668" |
| BARBERS PT HBR ENT CH LB 3 | 21°19'00.000" | -158°07'45.200" |
| BARBERS PT HBR ENT CH LT 7 | 21°19'23.809" | -158°07'19.817" |
| BARBERS PT HBR ENT CH LT 4 | 21°19'07.645" | -158°07'28.345" |
| BARBERS PT HBR ENT CH LT 5 | 21°19'13.378" | -158°07'30.829" |
| BARBERS PT HBR ENT CH LT 6 | 21°19'19.075" | -158°07'16.076" |
| BARBERS PT HBR ENT CH RF LT | 21°19'44.897" | -158°06'53.039" |
| BARBERS PT HBR ENT CH RR LT | 21°19'47.526" | -158°06'50.236" |
| BARBERS PT LT | 21°17'46.901" | -158°06'22.239" |

CONDITION SURVEY

NOTES
 APPROX. BANKLINE DIGITIZED FROM 18 SEPTEMBER 1979 PHOTOGRAPHY. DEPTHS TAKEN FROM HYDROGRAPHICS SURVEY COMPLETED BY U.S. ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT ON 29 APRIL 2021. COORDINATES BASED ON NAD83/PA11, HAWAII STATE PLANE COORDINATE SYSTEM, ZONE 3, U.S. SURVEY FEET. DATUM IS MEAN LOWER LOW WATER (MLLW). THE LOCAL TIDAL DATUM IS REFERENCED TO THE MOST RECENT EPOCH (1983-2001). SOUNDINGS ARE SHOWN IN FEET AND INDICATED DEPTHS BELOW MLLW. ELEVATIONS ARE SHOWN THUS: #2, INDICATING HEIGHT IN FEET ABOVE MLLW. THE MLLW PLANE IS SHOWN THUS: THE PROJECT DEPTH CURVE IS SHOWN THUS: LONGITUDE/LATITUDE IS REFERENCED TO NAD 83 HARN (1993). THIS CHART IS INTENDED FOR DREDGING PURPOSES ONLY. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.

THE EXISTING PROJECT
 PROVIDES FOR AN ENTRANCE CHANNEL 150 FEET WIDE AND VARYING FROM 42 FEET TO 38 FEET DEEP; AND A BASIN OF VARYING WIDTH AND 38 FEET IN DEPTH.



PROJECTION: HAWAII STATE PLANE ZONE 3 (US SURVEY FEET)
 HORIZONTAL DATUM: NAD83/PA11
 VERTICAL DATUM: LOCAL TIDAL DATUM - MLLW (1983-2001)

| BM NAME | NORTHING | EASTING | MLLW (FT) |
|---------|------------|---------------|-----------|
| HUA | 57,123.893 | 1,598,845.829 | 9.91 |
| PILAU | 55,590.435 | 1,601,870.751 | 16.57 |
| LEPO | 57,195.543 | 1,602,761.619 | 22.71 |

CUT VOLUMES
 TOTAL CUBIC FEET = 959,888
 TOTAL CUBIC YARD = 35,551

GRAPHIC SCALE
 0 200 400 600
 SCALE: 1"=200'

NOTE: ALL UNITS ARE IN U.S. SURVEY FEET (FT) UNLESS INDICATED OTHERWISE.

FILE: E:\Projects\Hydro\POW_APRIL_2021\Barbers_Pnt_DTM\BARBERS.PNT_VH101.dwg
 MODEL NAME: Sheet
 DATE & TIME: 8/25/2021 8:45:14 AM
 USER: JAKOB
 PLOT DRIVER: C:\ProgramData\Bentley\MicroStation V8 (SELECT\tools)\WorkSpaceSystem\plotdrv.plt
 PEN TABLE: BM_and_Geyscalk_Pen.tbl
 PRINTED BY: jacobg

US Army Corps of Engineers
 Honolulu District

| REVISION | DATE | DESCRIPTION |
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| DATE | CHECKED BY | LOCATION CODE | SCALE | DESCRIPTION |
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| DATE | FILE NAME | SCALE | DESCRIPTION |
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DESIGNED BY: U.S. ARMY CORPS OF ENGINEERS
 DRAWN BY: HONOLULU DISTRICT
 SUBMITTED BY: FT SHAFER, HAWAII
 CIVIL WORKS TECHNICAL BRANCH
 FILE NAME: C:\POW\EC\T
 SIZE: 11,888,888 bytes
 DATE: 03 FEBRUARY 2018

REVISIONS:
 1. INITIAL SURVEY
 2. NOTES & SOUNDINGS
 03 FEBRUARY 2018

SHEET IDENTIFICATION
 VH101