

JOHN WAIHEE
GOVERNOR OF HAWAII



WILLIAM W. PATY, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES

DEPUTIES

KEITH W. AHUE
MANABU TAGOMORI
RUSSELL N. FUKUMOTO

AQUACULTURE DEVELOPMENT PROGRAM
AQUATIC RESOURCES CONSERVATION AND ENVIRONMENTAL AFFAIRS
CONSERVATION AND RESOURCES ENFORCEMENT CONVEYANCES
FORESTRY AND WILDLIFE HISTORIC PRESERVATION PROGRAM
LAND MANAGEMENT STATE PARKS
WATER AND LAND DEVELOPMENT

RECEIVED
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

'90 AGO -2 P 1:03
HONOLULU, HAWAII 96809

REF: OCEA: JN

OFC. OF ENVIRONMENTAL
QUALITY CONTROL

FILE: HA-7/90/90-2333
DOC.: 8737E

AUG 1 1990

MEMORANDUM

TO: Office of Environmental Quality Control

FROM: William W. Paty, Chairperson
Board of Land and Natural Resources

SUBJECT: Document for Publication in the OEQC Bulletin
Environmental Assessment for Ather-the-Fact Conservation
District Use Application HA-2333 for vessel mooring
System, Offshore Kailua-Kona, Hawaii

Solo Contract

The above mentioned Chapter 343 Document was reviewed and a negative declaration was declared based upon the environmental assessment provided with the CDUA.

Please feel free to call me or Ed Henry of our Office of Conservation and Environmental Affairs, at 8-7837, if you have any questions.

W. W. Paty
WILLIAM W. PATY

Enclosure

RECEIVED

'90 AGO -2 P 1:03

OFC. OF ENVIRONMENTAL
QUALITY CONTROL

1990-08-23-HA-~~FEA~~

DEPARTMENT OF TRANSPORTATION

UNITED STATES COAST GUARD

FILE COPY

E N V I R O N M E N T A L A S S E S S M E N T

ESTABLISHMENT OF A ~~MOORING~~ BUOY OFF

KAILUA-KONA, HAWAII~~A~~

U.S. COAST GUARD

SHORE MAINTENANCE DETACHMENT

300 ALA MOANA BOULEVARD

HONOLULU, HAWAII 96850

FEBRUARY 1990

ENCLOSURE(3)

1990-08-23-HA-~~FEA~~

DEPARTMENT OF TRANSPORTATION

UNITED STATES COAST GUARD

FILE COPY

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FEBRUARY 1990

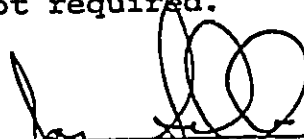
ENCLOSURE(3)

U.S. COAST GUARD
FINDING OF NO SIGNIFICANT IMPACT
FOR
ESTABLISHMENT OF A MOORING BUOY OFF
KAILUA-KONA, HAWAII

This action has been thoroughly reviewed by the Coast Guard and it has been determined, by the undersigned, that this project will have no significant effect on the human environment.

This Finding of No Significant Impact is based on the attached U.S. Coast Guard prepared Environmental Assessment which has been determined to adequately and accurately discuss the environmental issues and impacts of the proposed action and provides sufficient evidence and analysis for determining that an environmental impact statement is not required.

3 February 1990
Date
8 FEB 1990
Date



Environmental Reviewer
J. W. Mastelkaitis
Responsible Official

Env. Protect. Specialist
Title/Position
Asst. to Navigation
Branch Chief
Title/Position

I. INTRODUCTION

The Fourteenth Coast Guard District has installed a mooring buoy off the coast of Kailua-Kona, Hawaii. The buoy enables the Coast Guard patrol boat Cape Cross to moor off the west coast of the island of Hawaii, when it is away from its home port in Hilo. This need arises when the Cape Cross is on extended search and rescue or law enforcement missions.

II. DESCRIPTION OF ENVIRONMENT

The buoy is located about 0.5 miles southwest of Kailua-Kona, in approximately 55 feet of water (Figure 1). The substrate in the vicinity of the buoy is basalt. Waters in this area are classified "AA" by the State Department of Health. The area is well within the photic zone. Sea surface temperatures in Hawaii vary to only a slight extent annually and diurnally, ranging between 23-28.5 degrees C.

The surface waters around Hawaii are low in dissolved plant nutrients and support a low standing crop of phytoplankton. Calanoid copepods are the most abundant zooplankton in Hawaiian waters are generally classified as having high diversity, but low abundance.

Various echinoderms (starfish, sea urchins and sea cucumbers) have been observed in this area. The reef slope zone (14-30 meter depth) off the coast experiences moderate wave surge, and is dominated by the corals Porites compressa, and P. lobata, which serve as an important nursery for juvenile reef fish. Living coral cover is relatively low, however.

III. ENVIRONMENTAL IMPACTS

The mooring sinker system consists of one 12,500 pound concrete block (60"x60"x43"), and one 8,500 pound block (60"x60"x30") [Figure 2]. The mooring buoy is designed to withstand extreme wave action, and no part of it is expected to move sufficiently to damage any coral which may be in the area.

When the buoy was installed, minor, short-term turbidity would have occurred in the immediate area. Corals are known to be able to remove sediment of this quantity which may have settled on them.

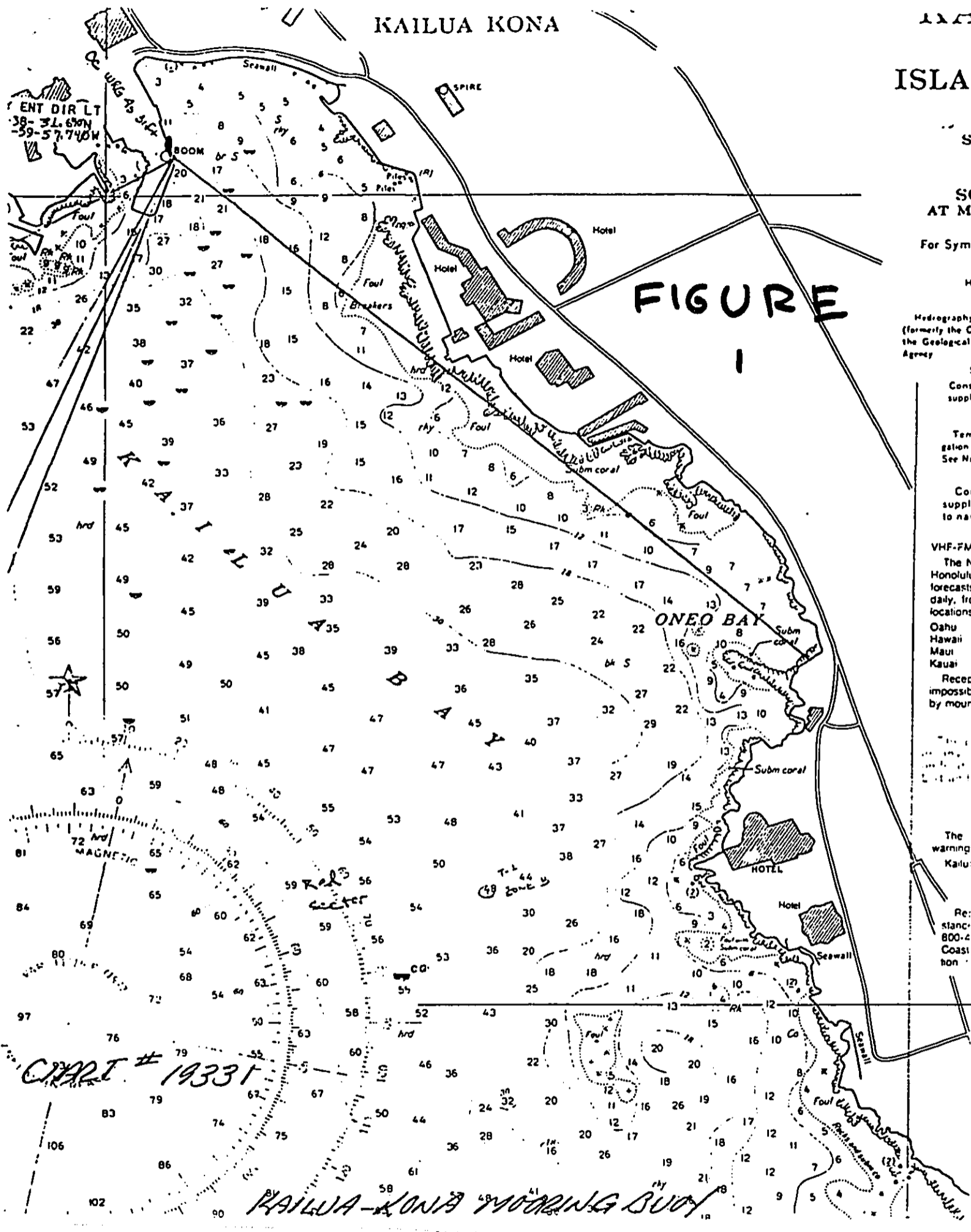
Infrequent use of the buoy by the USCGC Cape Cross is highly unlikely to disturb either green sea turtles or humpback whales.

IV. AGENCIES CONTACTED

An Army Corps of Engineers permit has been applied for. The Corps routed the application to U.S. EPA Region 9 for review. Region 9 replied that "it appears that here has been no environmental damage resulting from the placement of the moorings" (Figure 3).

KAILUA KONA

ISLAND



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-59-57.740W

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FIGURE
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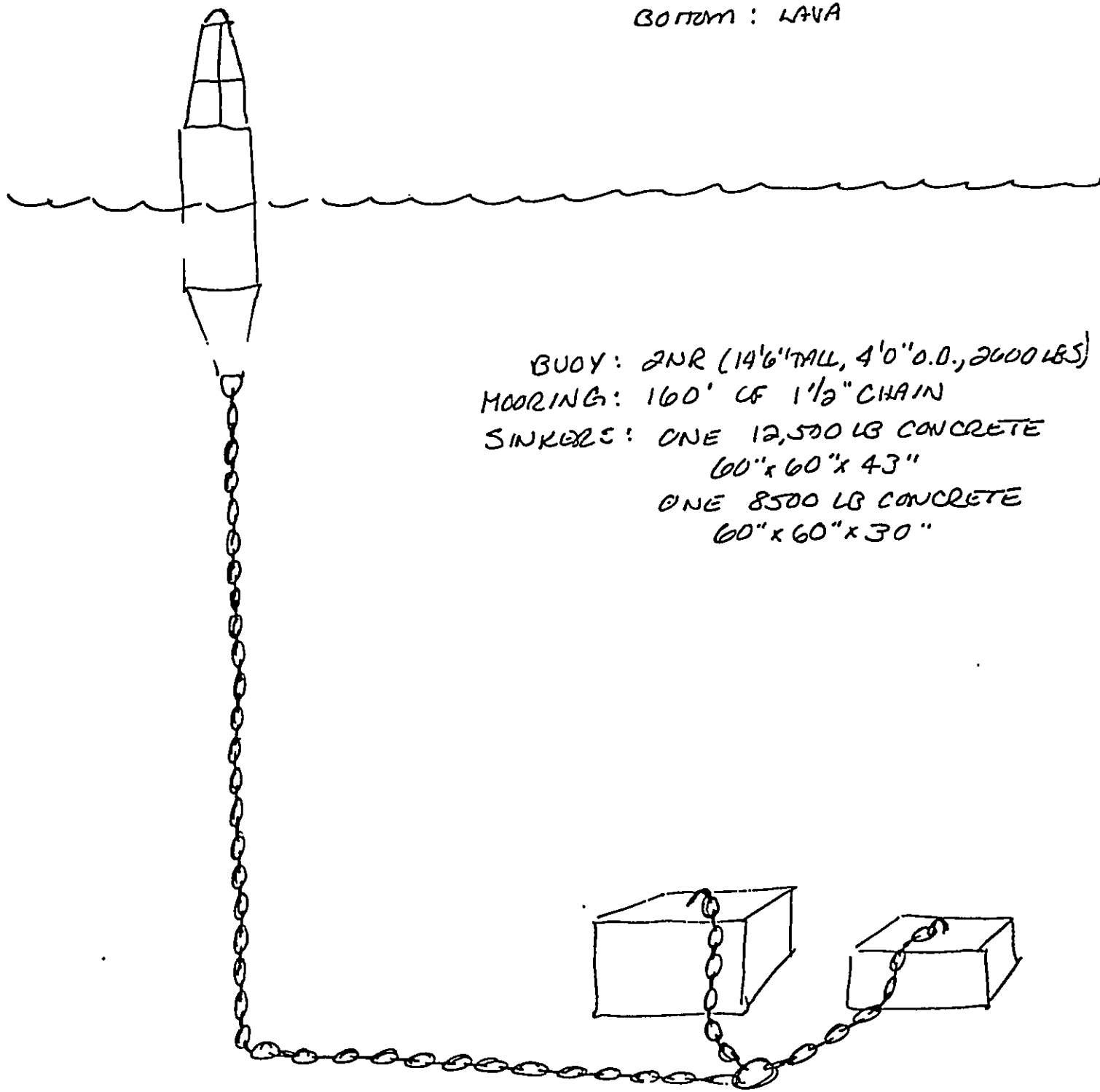
CHART # 19331

KAILUA-KONA MOORING BUOY

KAILUA-KONA COAST GUARD
MOORING BUOY

POSITION: 19-38-01.000N
155-59-49.000W

DEPTH: 55'
BOTTOM: LAVA



BUOY: 2NR (14'6" TALL, 4'0" O.D., 2000 LBS)
MOORING: 160' OF 1 1/2" CHAIN
SINKERS: ONE 12,500 LB CONCRETE
60" x 60" x 43"
ONE 8500 LB CONCRETE
60" x 60" x 30"

FIGURE 2



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

215 Fremont Street
San Francisco, Ca. 94105

11 DEC 1989

Lieutenant Colonel Donald T. Wynn
District Engineer
U.S. Army Corps of Engineers
Honolulu District
Attn: Operations Branch
Building 230
Ft. Shafter, HI 96858-5440

Re: File No. PODCO 2114, 2115 and 2116, After-the-Fact
Permit Applications for Moorings, U.S. Coast Guard

Dear Lt. Colonel Wynn:

This letter responds to the referenced after-the-fact (ATF) permit applications from the U.S. Coast Guard for USCG patrol vessel moorings located off Kure Island (1984); Lahaina, Maui; and Kailua-Kona, Hawaii (1988).

These comments have been prepared under the authority, and in accordance with the provisions of the National Environmental Policy Act (42 U.S.C. 4321 et seq.) and Section 309 of the Clean Air Act (42 U.S.C. 1857 et seq.).

EPA does not condone after-the-fact permit applications and would normally recommend removal of the structures. However, in this particular instance, we agree with the Corps assessment that the moorings are essential for USCG search and rescue operations. In addition, it appears that there has been no environmental damage resulting from the placement of the moorings. Therefore, based on the information contained in the subject applications, the Environmental Protection Agency will not object to the issuance of the ATF permits. We do expect that the USCG will adhere to the regulations for all future projects involving Corps permitting authority.

Sincerely,

Philip S. Oshida
Chief, Wetlands Section

cc: USFWS, Honolulu
NMFS, Honolulu
DOH, Honolulu
Applicant

SEARCHED	INDEXED
SERIALIZED	FILED
DEC 11 1989	
FBI - HONOLULU	

FIGURE 3

February 1983

FILE COPY

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
P. O. BOX 621
HONOLULU, HAWAII 96809

DEPARTMENT MASTER APPLICATION FORM

FOR DLNR USE ONLY

Reviewed by _____
Date _____
Accepted by _____
Date _____
Docket/File No. _____
180-Day Exp. _____
EIS Required _____
PH Required _____
Board Approved _____
Disapproved _____
Well No. _____

(Print or Type)

I. LANDOWNER/WATER SOURCE OWNER
(If State land, to be filled in by Government Agency in control of property)

Name _____

Address _____

Telephone No. _____

SIGNATURE _____

Date _____

II. APPLICANT (Water Use, omit if applicant is landowner)

Name CDR H.W. MOTEKAITIS

Address PJKK FEDERAL BLDG.

300 ALA MOANA STREET

HONOLULU, HI 96850

Telephone No. (808) 541-2315

Interest in Property ESTABLISHMENT OF

MOORING BUOY OFF KAILUA-KONA

(Indicate interest in property; submit written evidence of this interest)

*SIGNATURE *H.W. Motekaitis*

Date 2/16/90

*If for a Corporation, Partnership, Agency or Organization, must be signed by an authorized officer.

III. TYPE OF PERMIT(S) APPLYING FOR

() A. State Lands

B. Conservation District Use

() C. Withdraw Water From A Ground Water Control Area

() D. Supply Water From A Ground Water Control Area

() E. Well Drilling/Modification

IV. WELL OR LAND PARCEL LOCATION REQUESTED

District _____

Island HAWAII

County _____

Tax Map Key _____

Area of Parcel 25 SQ FT

(Indicate in acres or sq. ft.)

Term (if lease) _____

ENCLOSURE(6)

V. Environmental Requirements

Pursuant to Chapter 343, Hawaii Revised Statutes, and in accordance with Title 11; Chapter 200, Environmental Impact Statement Rules for applicant actions, an Environmental assessment of the proposed use must be attached. The Environmental assessment shall include, but not be limited to the following:

- (1) Identification of applicant or proposing agency;
- (2) Identification of approving agency, if applicable;
- (3) Identification of agencies consulted in making assessment;
- (4) General description of the action's technical, economic, social, and environmental characteristics;
- (5) Summary description of the affected environment, including suitable and adequate location and site maps;
- (6) Identification and summary of major impacts and alternatives considered, if any;
- (7) Proposed mitigation measures, if any;
- (8) Determination;
- (9) Findings and reasons supporting determination; and
- (10) Agencies to be consulted in the preparation of the EIS, if applicable.

VI. Summary of Proposed Use (what is proposed)

THE COAST GUARD HAS ESTABLISHED A MOORING BUOY OFF KAILUA-KONA, ISLAND OF HAWAII FOR THE PURPOSE OF MOORING PATROL CRAFT. THIS LOCATION WAS CHOSEN TO PROVIDE THE PATROL VESSELS QUICK ACCESS TO WATERS THEY ARE REQUIRED TO PATROL TO REDUCE THE RESPONSE TIME FOR SEARCH AND RESCUE MISSIONS AND LAW ENFORCEMENT MISSIONS. NO OTHER ALTERNATIVES ARE AVAILABLE THAT WOULD PROVIDE A POINT WHERE THE VESSELS CAN MOOR, PROVIDE THE CREW A REST, AND STILL BE READILY AVAILABLE FOR INSTANT RESPONSE. THE MOORING WILL HAVE NO DETRIMENTAL EFFECT ON THE ENVIRONMENT. IN FACT IT WILL ENHANCE THE CONGREGATION OF FISH SPECIES MUCH LIKE THE FAD'S CURRENTLY DEPLOYED BY THE STATE.

INFORMATION REQUIRED FOR ALL USES

I. Description of Parcel

- A. Existing structures/Use. (Attach description or map).
- B. Existing utilities. (If available, indicate size and location on map. Include electricity, water, telephone, drainage, and sewerage).
- C. Existing access. (Provide map showing roadways, trails, if any. Give street name. Indicate width, type of paving and ownership).
- D. Vegetation. (Describe or provide map showing location and types of vegetation. Indicate if rare native plants are present).
- E. Topography; if ocean area, give depths. (Submit contour maps for ocean areas and areas where slopes are 40% or more. Contour maps will also be required for uses involving tall structures, gravity flow and other special cases).
- F. If shoreline area, describe shoreline. (Indicate if shoreline is sandy, muddy, rocky, etc. Indicate cliffs, reefs, or other features such as access to shoreline).
- G. Existing covenants, easements, restrictions. (If State lands, indicate present encumbrances.).
- H. Historic sites affected. (If applicable, attach map and descriptions).

II. Description: Describe the activity proposed, its purpose and all operations to be conducted. (Use additional sheets as necessary).

III. Commencement Date: _____

Completion Date: 14 APRIL 1988

IV. TYPE OF USE REQUESTED (Mark where appropriate) (Please refer to Title 13, Chapter 2)

- 1. Permitted Use (exception occasional use);
DLNR Title 13, Chapter 2, Section xx; Subzone _____.
- 2. Accessory Use (accessory to a permitted use);
DLNR Title 13, Chapter 2, Section _____; Subzone _____.
- 3. Occasional Use: Subzone _____.
- 4. Temporary Variance: Subzone _____.
- 5. Conditional Use: Subzone _____.

Area of Proposed Use 25 SQ FT
(Indicate in acres or sq. ft.)

Name & Distance of Nearest Town or Landmark
KAILUA-KONA IS APPROX 1/2 MILE NORTH OF THE MOORING BUOY

Boundary Interpretation (If the area is within 40 feet of the boundary of the Conservation District, include map showing interpretation of the boundary by the State Land Use Commission).

Conservation District Subzone _____
County General Plan Designation _____

V. FILING FEE

1. Enclose \$50.00. All fees shall be in the form of cash, certified or cashier's check, and payable to the State of Hawaii.
2. If use is commercial, as defined, submit additional public hearing fee of \$50.00.

INFORMATION REQUIRED FOR CONDITIONAL USE ONLY

- I. Plans: (All plans should include north arrow and graphic scale).
 - A. Area Plan: Area plan should include but not be limited to relationship of proposed uses to existing and future uses in abutting parcels; identification of major existing facilities; names and addresses of adjacent property owners.
 - B. Site Plan: Site plan (maps) should include, but not be limited to, dimensions and shape of lot; metes and bounds, including easements and their use; existing features, including vegetation, water area, roads, and utilities.
 - C. Construction Plan: Construction plans should include, but not be limited to, existing and proposed changes in contours; all buildings and structures with indicated use and critical dimensions (including floor plans); open space and recreation areas; landscaping, including buffers; roadways, including widths; offstreet parking area; existing and proposed drainage; proposed utilities and other improvements; revegetation plans; drainage plans including erosion sedimentation controls; and grading, trenching, filling, dredging or soil disposal.
 - D. Maintenance Plans: For all uses involving power transmission, fuel lines, drainage systems, unmanned communication facilities and roadways not maintained by a public agency, plans for maintenance shall be included.
 - E. Management Plans: For any appropriate use of animal, plant, or mineral resources, management plans are required.
 - F. Historic or Archaeological Site Plan: Where there exists historic or archaeological sites on the State or Federal Register, a plan must be submitted including a survey of the site(s); significant features; protection, salvage, or restoration plans.
- II. Subzone Objective: Demonstrate that the intended use is consistent with the objective of the subject Conservation District Subzone (as stated in Title 13, Chapter 2).

Area of Proposed Use 25 SQ FT
(Indicate in acres or sq. ft.)

Name & Distance of Nearest Town or Landmark
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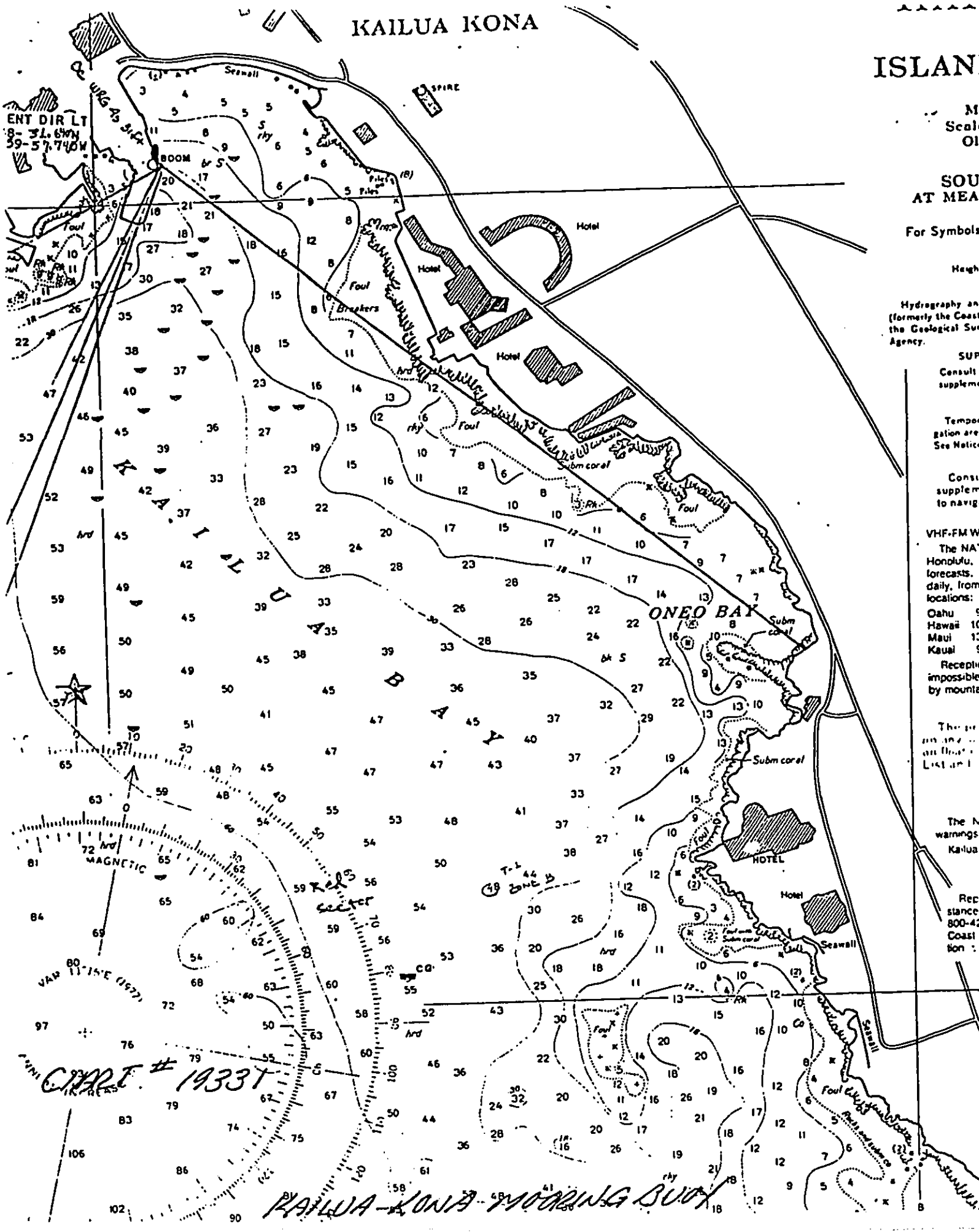
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KAILUA KONA

ISLAND



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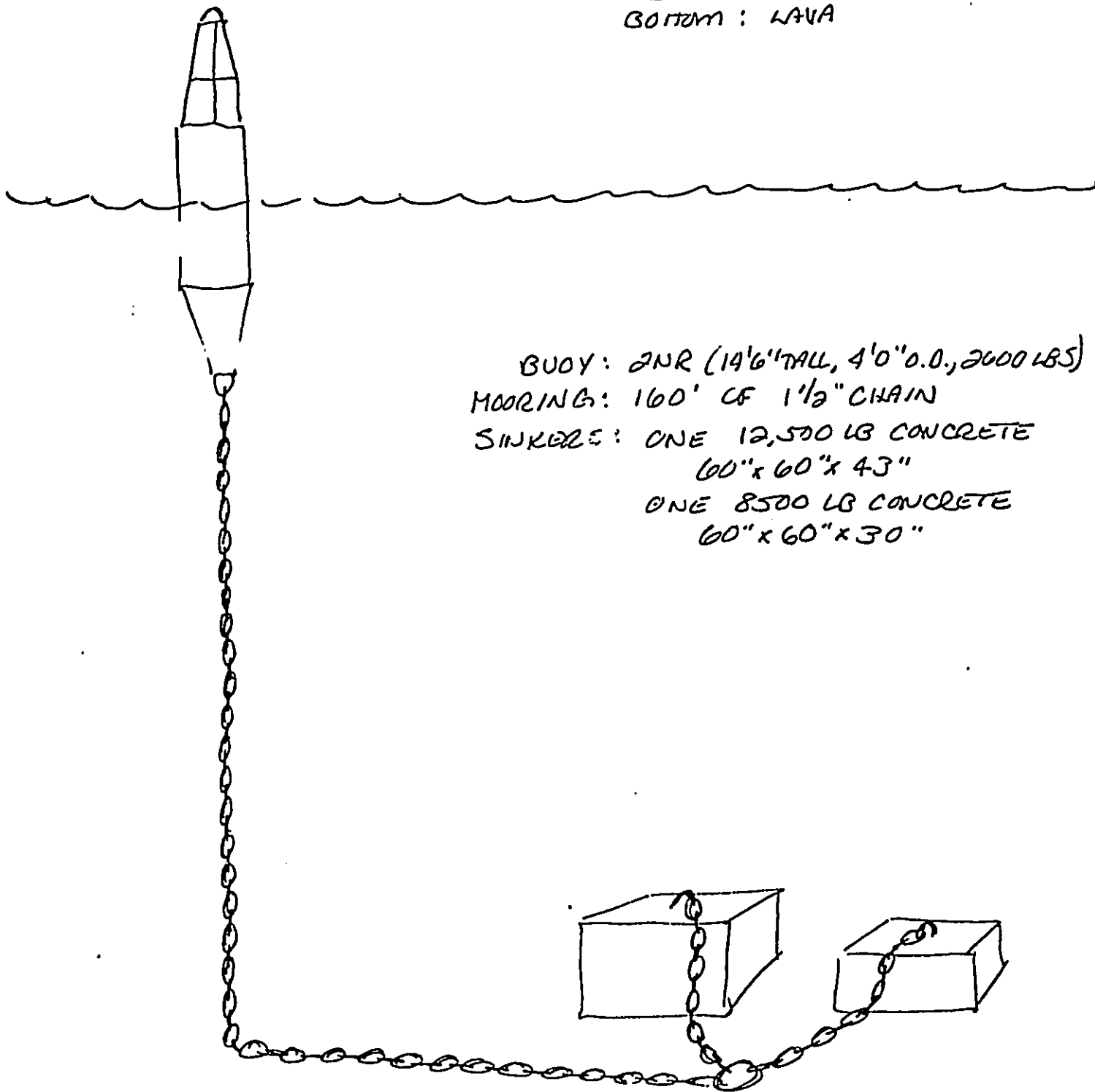
CHART # 19331

KAILUA-KONA-MOORING BUOY

HAILUA-KONA COAST GUARD
MOORING BUOY

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155-59.49.000W

DEPTH: 55'
BOTTOM: LAVA



BUOY: 2NR (14'6" TALL, 4'0" O.D., 2000 LBS)
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