

JL .HEE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621

HONOLULU, HAWAII 96809
DEC 11 1990

REF: OCEA: JN

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

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

FILE NO.: HA-10/25/90-2417
DOC. NO.: 9365E

DEC 10 1990

MEMORANDUM

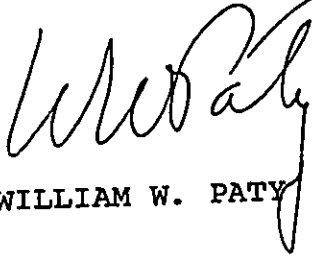
TO: Office of Environmental Quality Control

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

SUBJECT: Document for Publication in the OEQC Bulletin -
Environmental Assessment for Conservation District Use
Application HA-2417 for day use moorings offshore
Kohala-Kona, Hawaii

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 Edward Henry of our Office of
Conservation and Environmental Affairs, at 548-7837, if you have
any questions.


WILLIAM W. PATY

Attachments

February 1983

1990-12-23-HA-FA

FILE COPY.

Kohala-Kona Offshore Day Use Mariny
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
P. O. BOX 621
HONOLULU, HAWAII 96809

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. _____

DEPARTMENT MASTER APPLICATION FORM

(Print or Type)

I. LANDOWNER/WATER SOURCE OWNER
(If State land, to be filled in by Government Agency in control of property)
Department of Land and Natural Resources
Name _____
Address P.O. Box 621
Hono., Hi.
96805
Telephone No. _____
SIGNATURE _____
Date _____

II. APPLICANT (Water Use, omit if applicant is landowner)
Department of Transportation
Harbors Division
Name _____
Address 79 S. Nimitz Hwy
Hono., Hi.
96813
Telephone No. 548-2838
Interest in Property _____
(Indicate interest in property; submit written evidence of this interest)
*SIGNATURE [Signature]
Date 8/6/90

III. TYPE OF PERMIT(S) APPLYING FOR
() A. State Lands
(x) 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 Kohala/Kona Waters Offshore
Island Hawaii
County Hawaii
Tax Map Key _____
Area of Parcel Approx. 115 Sq. Ft. along a 46 mile strip
(Indicate in acres or sq. ft.)
Term (if lease) _____

I. Description of Parcel

Kohala/Kona Waters Offshore

A. Existing structures/use

1. Steel pins have been placed in the ocean floor in waters varying in depth from 18 to 55 feet.
(See Exhibit "A" in Negative Declaration)
2. The 46 pin sites area extends from Unualoha Point to Cook Point.
(See Exhibits B, C, and D in Negative Declaration)
3. Existing use is primarily for commercial and recreational diving activities on a daily basis.

B. Existing Utilities

None

C. Existing access

Any suitable beach front for launching small vessels and State small boat harbors.

D. Vegetation

None

E. Topography

(See Negative Declaration)

F. Shoreline

Not applicable

G. Existing covenants, easements, restrictions

None known

II. Description

Placement of stainless steel pins to support submerged day-use moorings to preserve the environment from abuse of the ocean floor by commercial and recreational dive operators.

III. Commencement Date

Already in operation as permitted through a Temporary Variance from the Board of Land and Natural Resources. ✓

IV. Type of Use Requested

Permitted Use

DLNR Title 13, Chapter 2, Section ____; Subzone ____.

Area of Proposed Use - Approximately 115 square feet over an area of 46 miles of waters offshore--the Kohala/Kona coast.

Name and Distance of Nearest Town or Landmark

- Zone 1: Keawanui Bay, 7 miles from Kawaihae
- Zone 2: 4 miles from Kawaihae
- Zone 3: 1 Mile from Mauna Lani Resort
- Zone 4: Anaehoomalu Bay, 1 mile from Waikoloa Hotel
- Zone 5: 1 mile from Keahole Airport
- Zone 6: 1-3 miles from Honokohau Small Boat Harbor (North)
- Zone 7: 1.5-4.5 miles from Honokohau Small Boat Harbor (South)
- Zone 8: Kaukala'ela'e Point to Cook Point

NEGATIVE DECLARATION
FOR
INSTALLATION OF STEEL PINS FOR DAY-USE MOORINGS
FOR
KOHALA/KONA SHOREWATERS

A. Applicant

Harbors Division, Department of Transportation

B. Agencies Consulted

No agencies were consulted in the preparation of this negative statement since past experience has shown that a similar project at Molokini, Maui, has not had significant effects upon the environment. Our assessment of the action has confirmed that the pins will not have significant impacts. However, the following agencies will review the project for proper permits:

1. Department of Land and Natural Resources
2. U.S. Army Engineer District

C. General description of the action's technical, economic, social, and environmental characteristics.

1. Environmental Setting Without Project

The area extends along the Kohala/Kona coastal waters, beginning near Unaloha Point on the North boundary, and extending southward for approximately 46 miles to Cook Point. The sites selected are within the 60 foot depth curve and within one-half mile of the shoreline. The ocean floor is composed of the bottom types as follow:

- (a) A solid or hard bottom; a massive rock surface;
- (b) Submerged field of large to massive boulders;
- (c) Cobbles or small boulders;
- (d) Hard bottom with sand pockets, the latter comprising generally less than 60% of the area of the designated formation;
- (e) Hard bottom with sand pockets comprising 60% or more of the formation; or, hard bottom with sand veneer; or sand bottom with numerous scattered rock boulders; and
- (f) Complex reef bottom consisting of mostly sand, but with limestone outcrops or boulders.

2. Description of the Project and Objectives

Each stainless steel pin is placed into a hole, drilled by an underwater hydraulic drill in hard basalt or a'a. The pins are

cemented by Quikgrip. One or two pins are represented at each site. A stainless steel line (bridle) is attached to the pin and is in turn attached to a poly-propylene line. A day-use buoy is attached the line at minus 15 feet for aesthetic and wear and tear reasons. Each pin is pull tested to 5000 + pounds.
(See Exhibit "A")

Each zone represents a heavily used diving and snorkling site visited by public and commercial divers on a daily basis.

Zones locations are shown on exhibits "B", "C", and "D". The characteristics of the zones are as follow:

Zone 1: This area is known as "Black Point" and has an abundance of lava tubes and canyons with good three-dimensional topography and Christmas-tree shaped coral pinnacles. It contains Porites Compressa, (finger coral), P. Lobata, (sometimes called antler coral), several types of Montipora, and a coral type known locally as "cauliflower".

Zone 2: Locally known as "Kohala Estates". These sites have many coral formations, including a dome of plate coral.

Zone 3: This site has approximately 30% sand patch, 30% isolated lava rocks and 40% coral. The bottom is relatively flat with large outcroppings.

Zone 4: Locally known as "Pentagon". It has one of the most interesting lava tube formations on the Kona Coast. The bottom is flat with underlying, interconnected lava tubes.

Zone 5: Locally known as "Hoover's Tower" or "Simon's Cellar". Many boulders overgrown with cauliflower coral. Lava flows are recent and the coral community is young. The site has extensive marine life.

Zone 6: Includes sites locally known as "Golden Arches", "Pyramid Pinnacles", "Suck Em Up Cave", "Lead City", "Kaloko Arches", and "Turtle Pinnacles". These sites contain lava tube canyons, lava tube arches, several types of coral, steep pinnacles, steep drop-offs, and an abundance of fish.

Zone 7: Includes sites locally known as "Eel Cove", "Outhouse", "Kaiwi Point", and "Old Airport". These sites are characterized by abundant types of coral, lava tubes, pinnacles, and dramatic drop-offs.

Zone 8: Locally known as "Coral Domes" because of the dome-shaped formations of plate coral. Also rich in Christmas tree coral.

D. Summary Description of the Affected Environment

1. Adverse Environmental Effects

There are no adverse environmental effects expected at any of the sites.

2. Assessment of the Irretrievable and Irreversible Commitments of Resources

Any irretrievable commitments, or any irreversible commitments can be considered insignificant

E. Discussion of the Assessment Process

Informal review of the impacts of the project are considered to be minor. Accordingly, a negative declaration is considered appropriate.

F. Impacts and Alternatives Considered

1. Impacts

Summary
statements (When the controlled plan for use is fully implemented, destruction of the coral will be eliminated, visiting vessels will be regulated, a and stable environment will be created.

2. Alternatives Considered

The alternative of "no project" will lead to further destruction of the environment and increased overcrowded, and hazardous, conditions within the areas.

G. Mitigation Measures

The project is a mitigation measure to preserve the environment and promote the safety and welfare of the public.

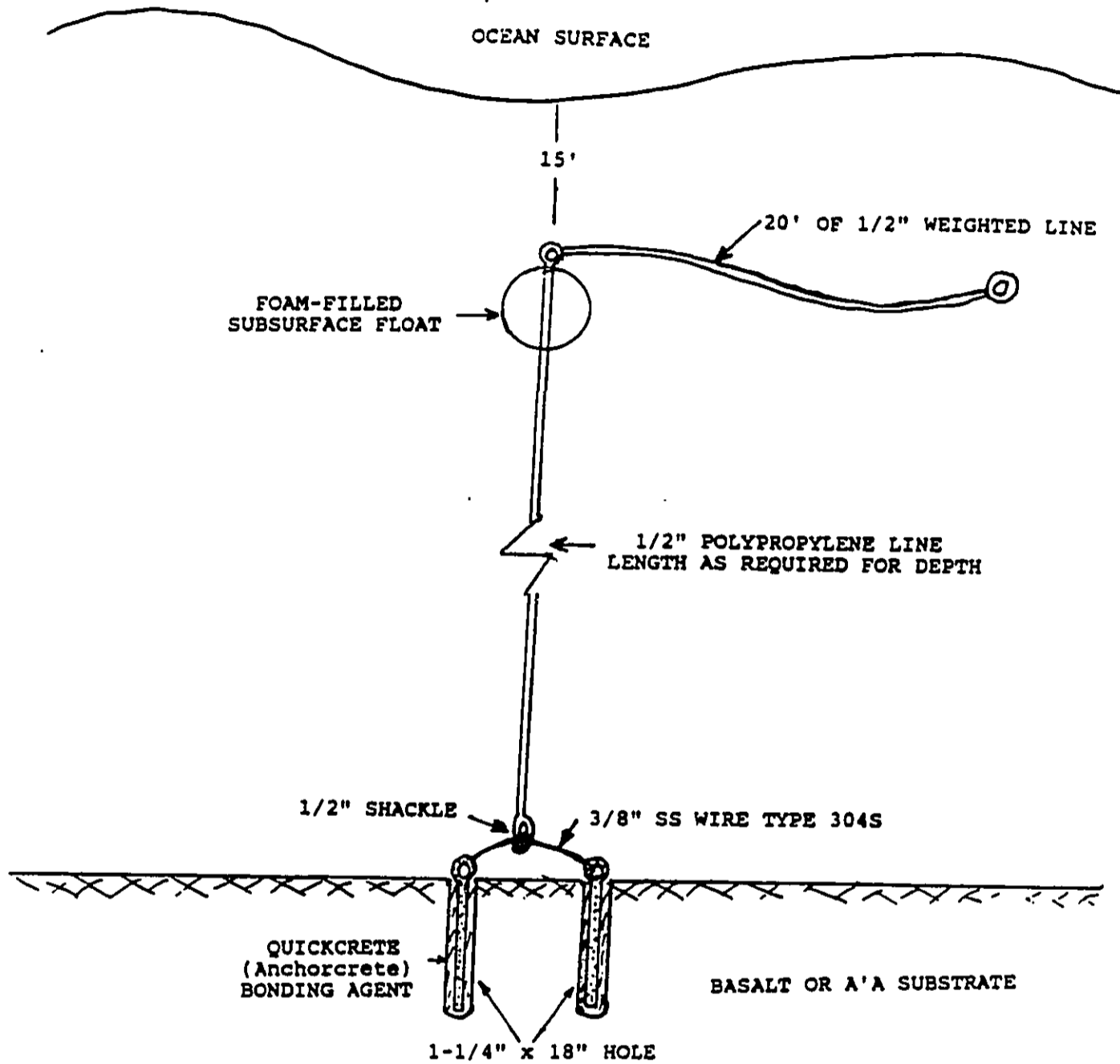
H. Determination

We have determined the project will not significantly affect the environment. Therefore, an Environmental Impact Statement is not considered necessary.



Edward Y. Hirata
Department of Transportation

8/6/90
Date



DAY USE MOORING DIAGRAM

EXHIBIT "A"

<u>#</u>	<u>Location</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Depth In Feet</u>
<u>Zone 1</u>				
1.	N. Kohala	20° 08'	155 54'	48'
2.	Kauolaoa	20° 08'	155 54'	55'
3.	N. Kohala	20° 08'	155 53'	53'
<u>Zone 2</u>				
4.	Makiloa	20° 06'	155 53'	41'
5.	Pohakuloa	20° 05'	155 53'	32'
6.	Pohakuloa	20° 05'	155 53'	34'
7.	Pohakuloa	20° 04'	155 52'	47'
8.	Pohakuloa	20° 04'	155 52'	44'
9.	Makiloa	20° 05'	155 53'	51'
<u>Zone 3</u>				
10.	MaunaLani	19° 57'	155 52'	29'
11.	MaunaLani	19° 57'	155 52'	22'
<u>Zone 4</u>				
12.	Anaehoomalu	19° 56'	155 54'	18'
<u>Zone 5</u>				
13.	Keahole	19° 45'	156 02'	
14.	Keahole	19° 44'	156 03'	
<u>Zone 6</u>				
15.	Kalaoa	19° 44'	156 03'	40'
16.	Ooma	19° 43'	156 03'	36'
17.	Ooma	19° 43'	156 03'	46'
18.	Wawahiwaa	19° 43'	156 03'	63'
19.	Wawahiwaa	19° 43'	156 03'	38'
20.	Kohanaiki	19° 42'	156 02'	46'
21.	Kohanaiki	19° 42'	156 02'	35'
22.	Kohanaiki	19° 42'	156 02'	38'
23.	Kohanaiki	19° 42'	156 02'	40'
24.	Kaloko	9° 42'	156 02'	47'

EXHIBIT "B"

Page 1 of 2

<u>#</u>	<u>Location</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Depth In Feet</u>
<u>Zone 7</u>				
25.	Keahuolu	19° 39'	156 03'	32'
26.	Keahuolu	19° 39'	156 03'	33'
27.	Keahuolu	19° 38'	156 02'	40'
28.	Keahuolu	19° 38'	156 02'	40'
29.	Keahuolu	19° 38'	156 02'	40'
30.	Keahuolu	19° 38'	156 02'	40'
31.	Kamanu	19° 38'	156 02'	45'
32.	Kamanu	19° 38'	156 02'	45'
33.	Keouu	19° 38'	156 01'	50'
<u>Zone 8</u>				
34.	Kuamoo	19° 34'	155 58'	50'
35.	Kuamoo	19° 34'	155 58'	50'
36.	Kuamoo	19° 33'	155 58'	45'
37.	Kuamoo	19° 33'	155 58'	45'
38.	Hokukano	19° 33'	155 58'	50'
39.	Hokukano	19° 33'	155 58'	40'
40.	Kanakau	19° 31'	155 57'	45'
41.	Kanakau	19° 31'	155 57'	50'
42.	Kanakau	19° 31'	155 57'	35'
43.	Kanakau	19° 31'	155 57'	40'
44.	Kanakau	19° 30'	155 57'	55'
45.	Kanakau	19° 30'	155 57'	40'
46.	Kanakau	19° 29'	155 57'	40'

EXHIBIT "B"

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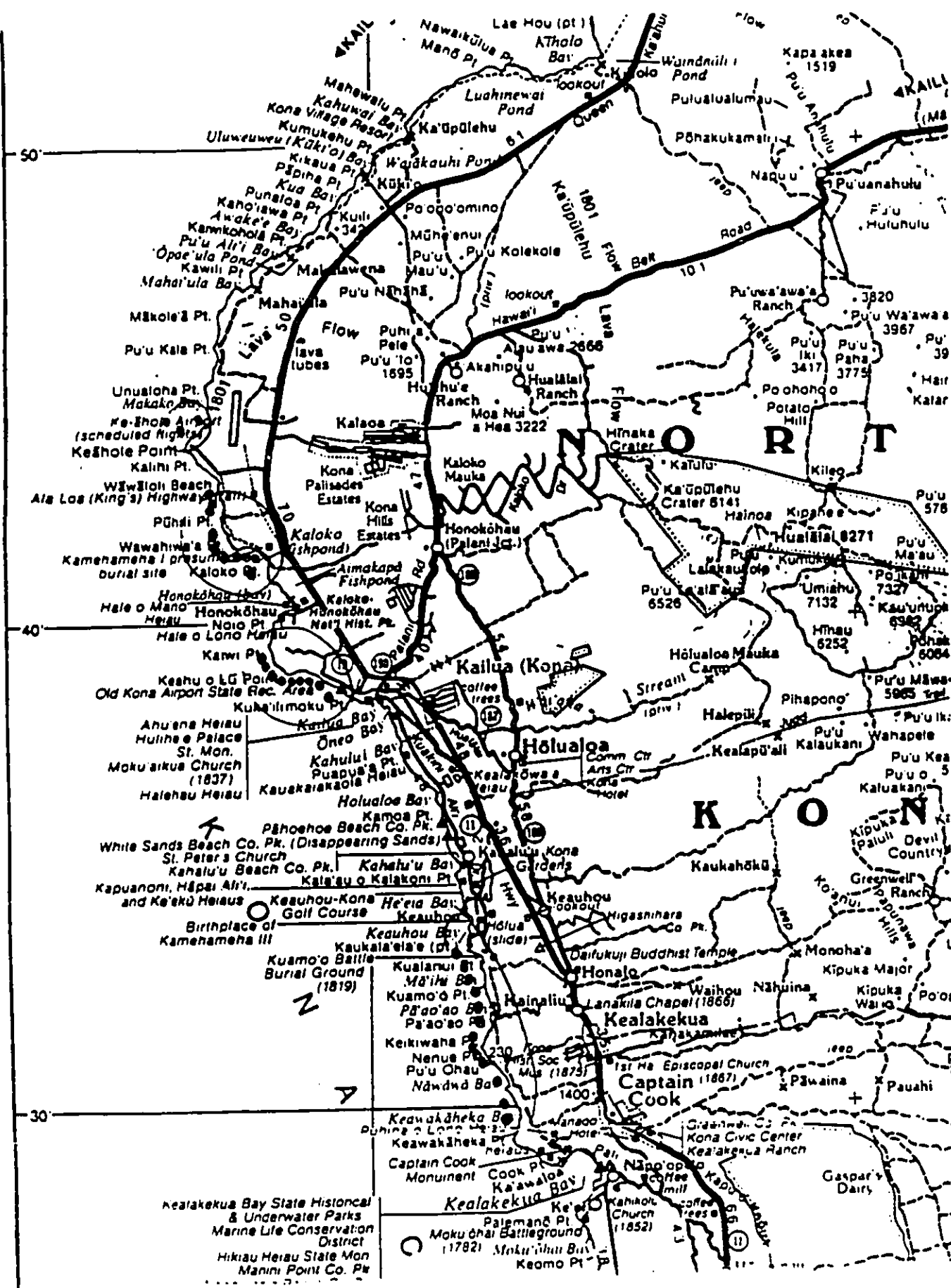


EXHIBIT "C"
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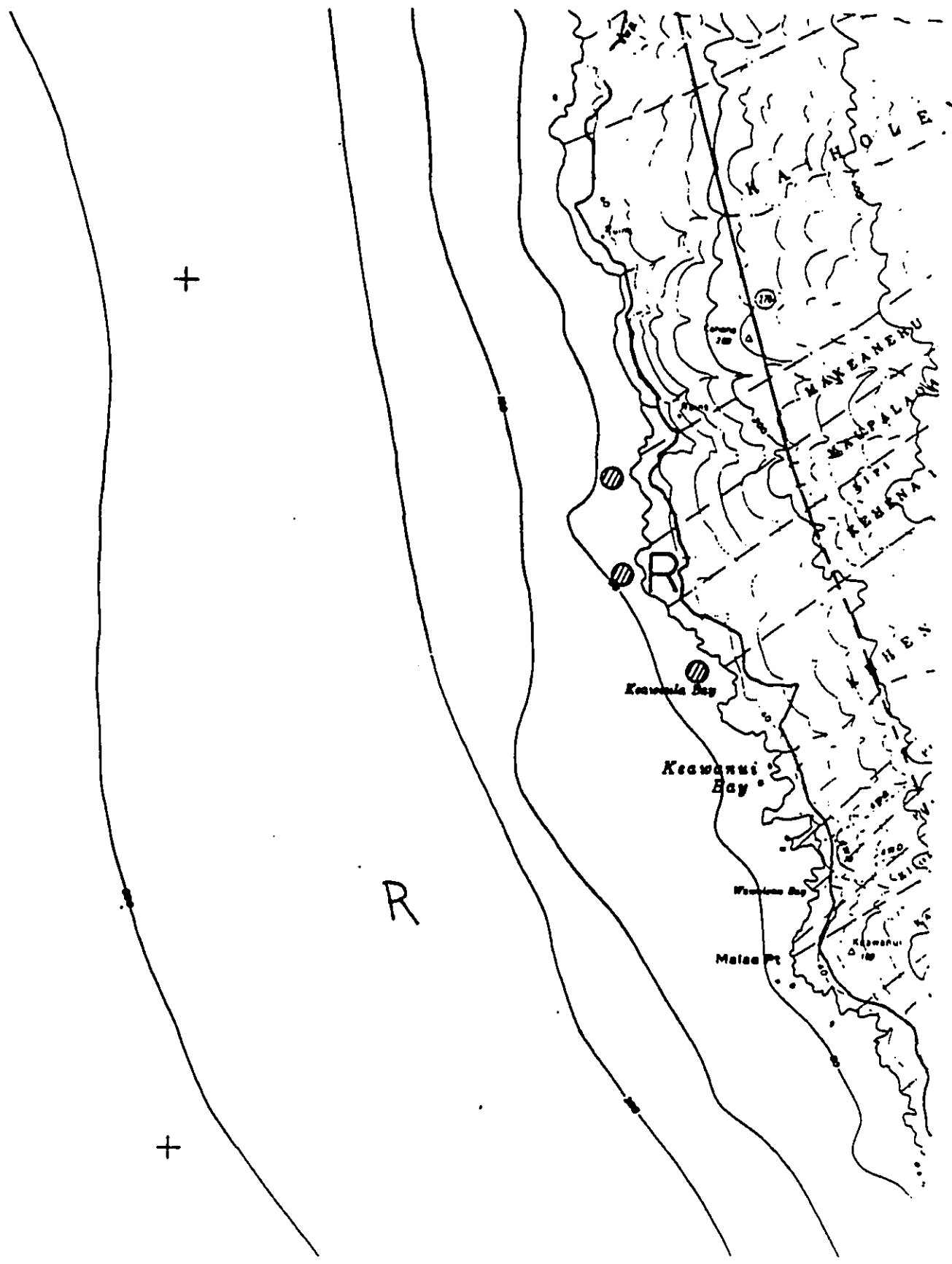


EXHIBIT "D"

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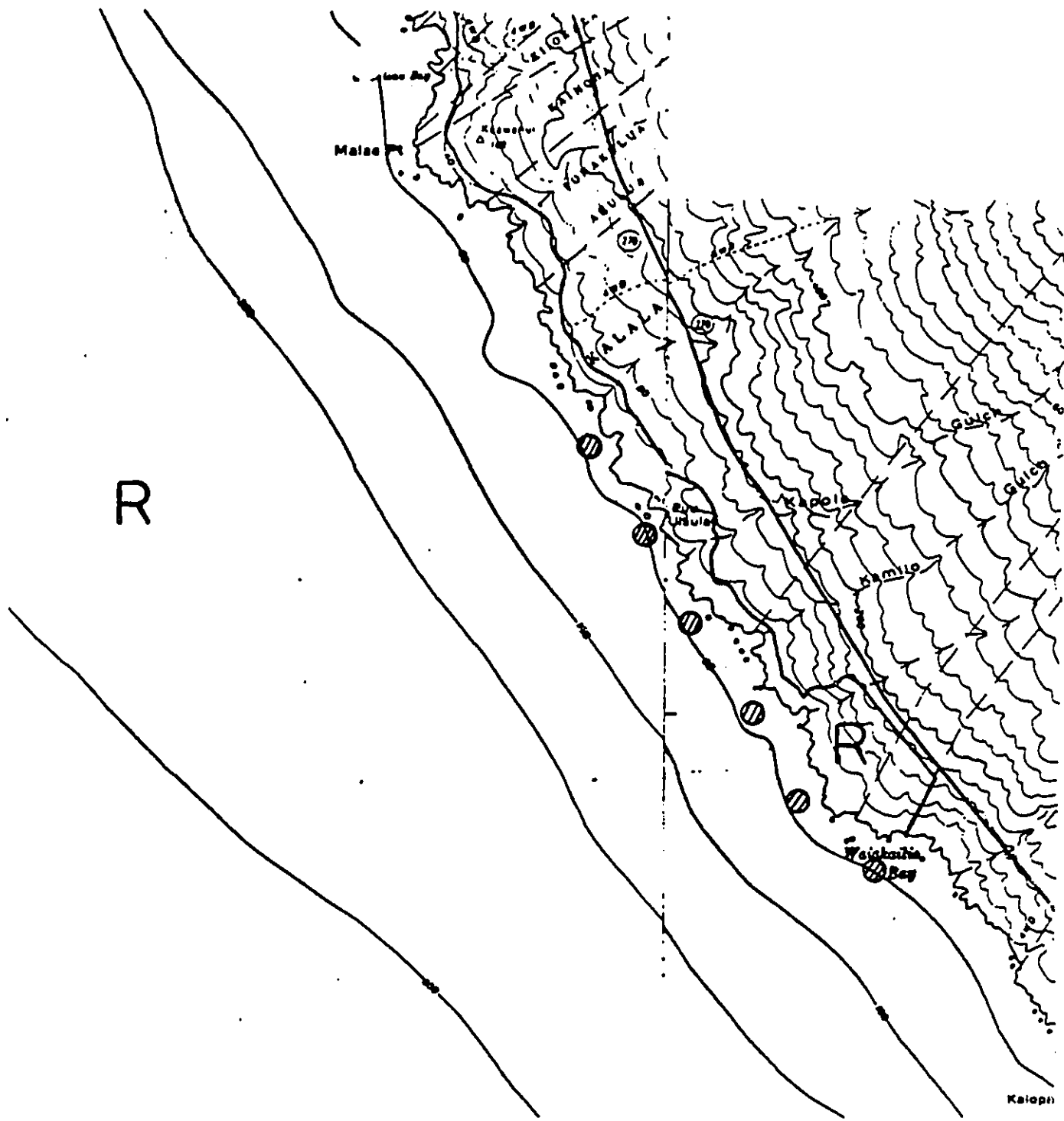


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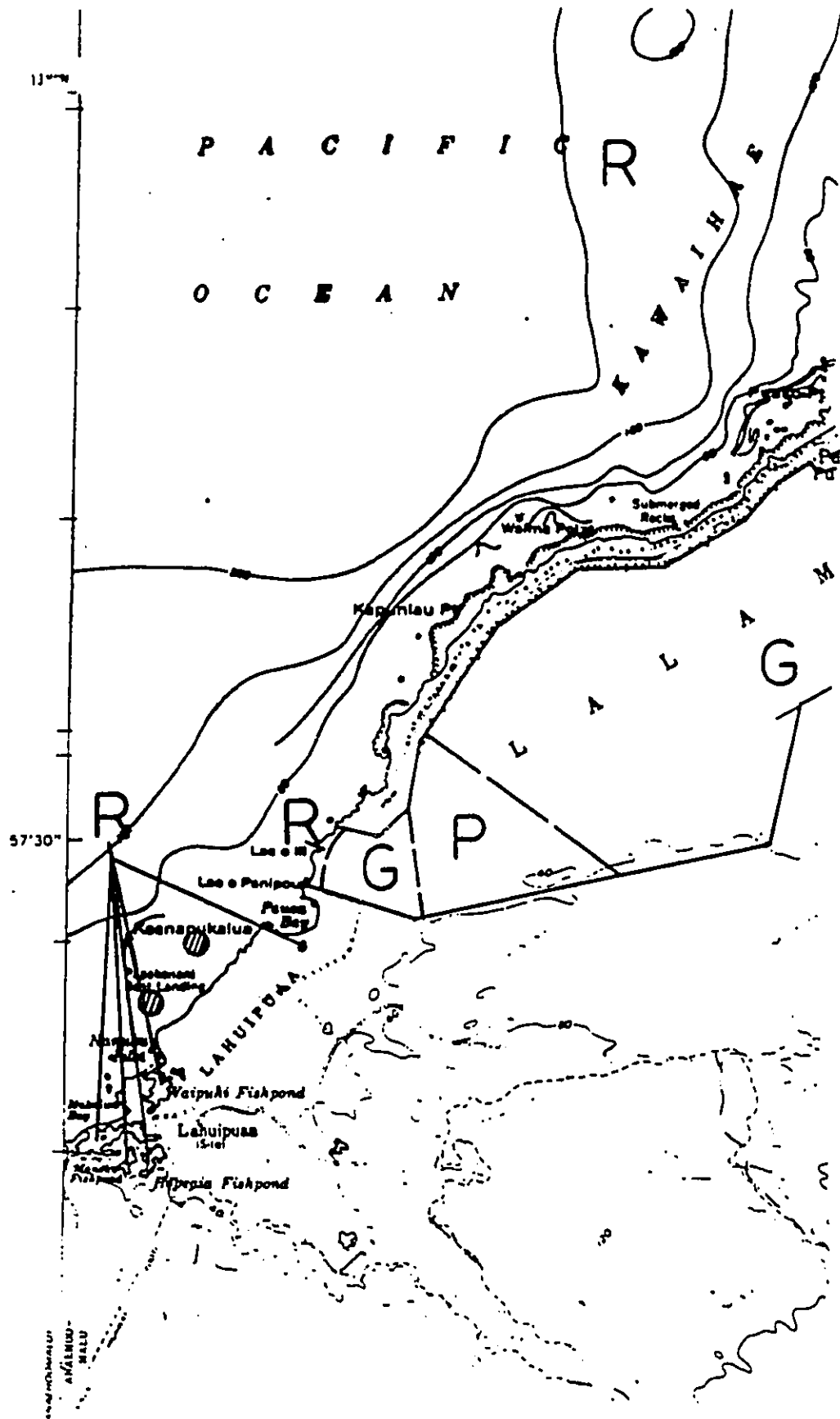


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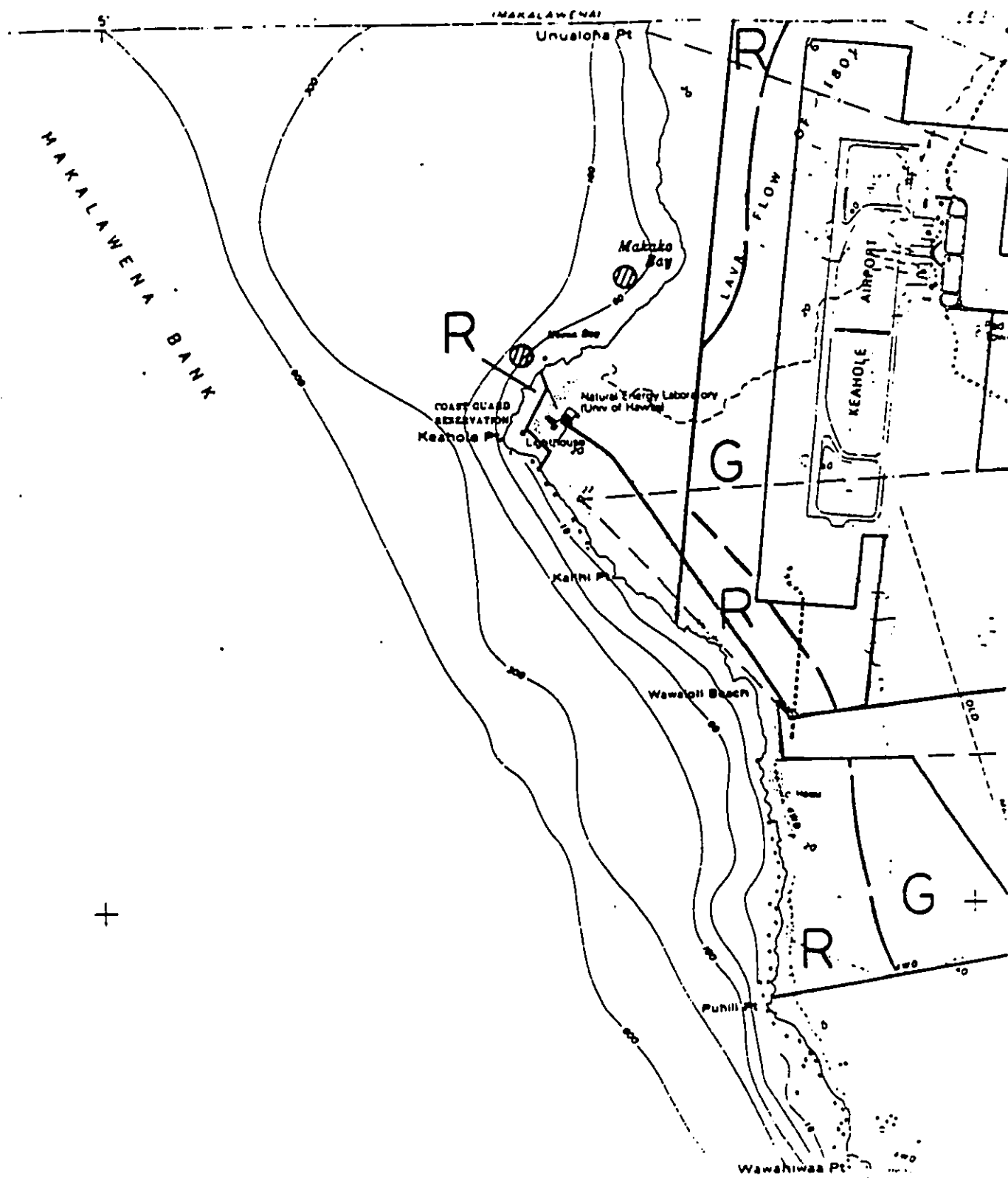


EXHIBIT "D"

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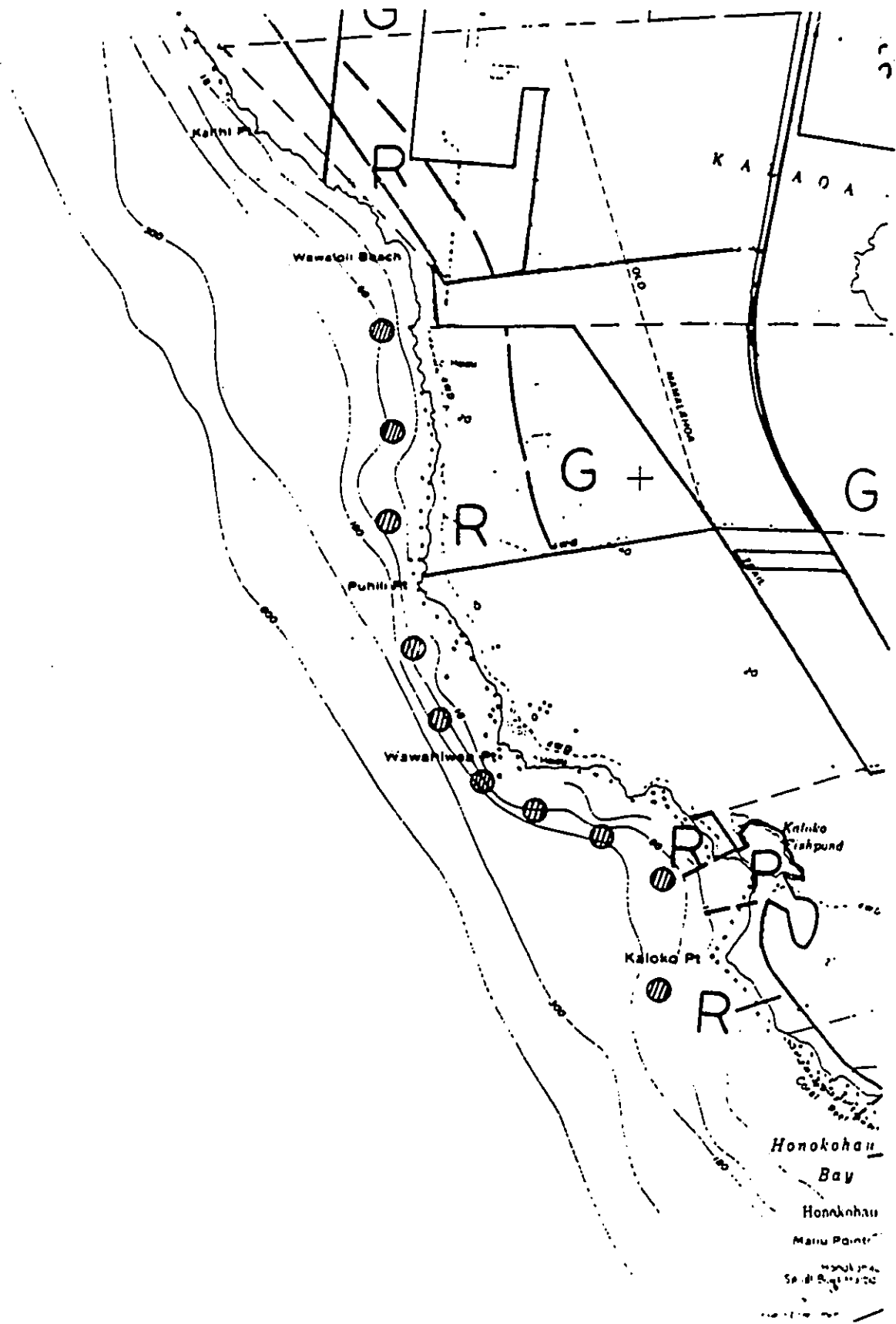


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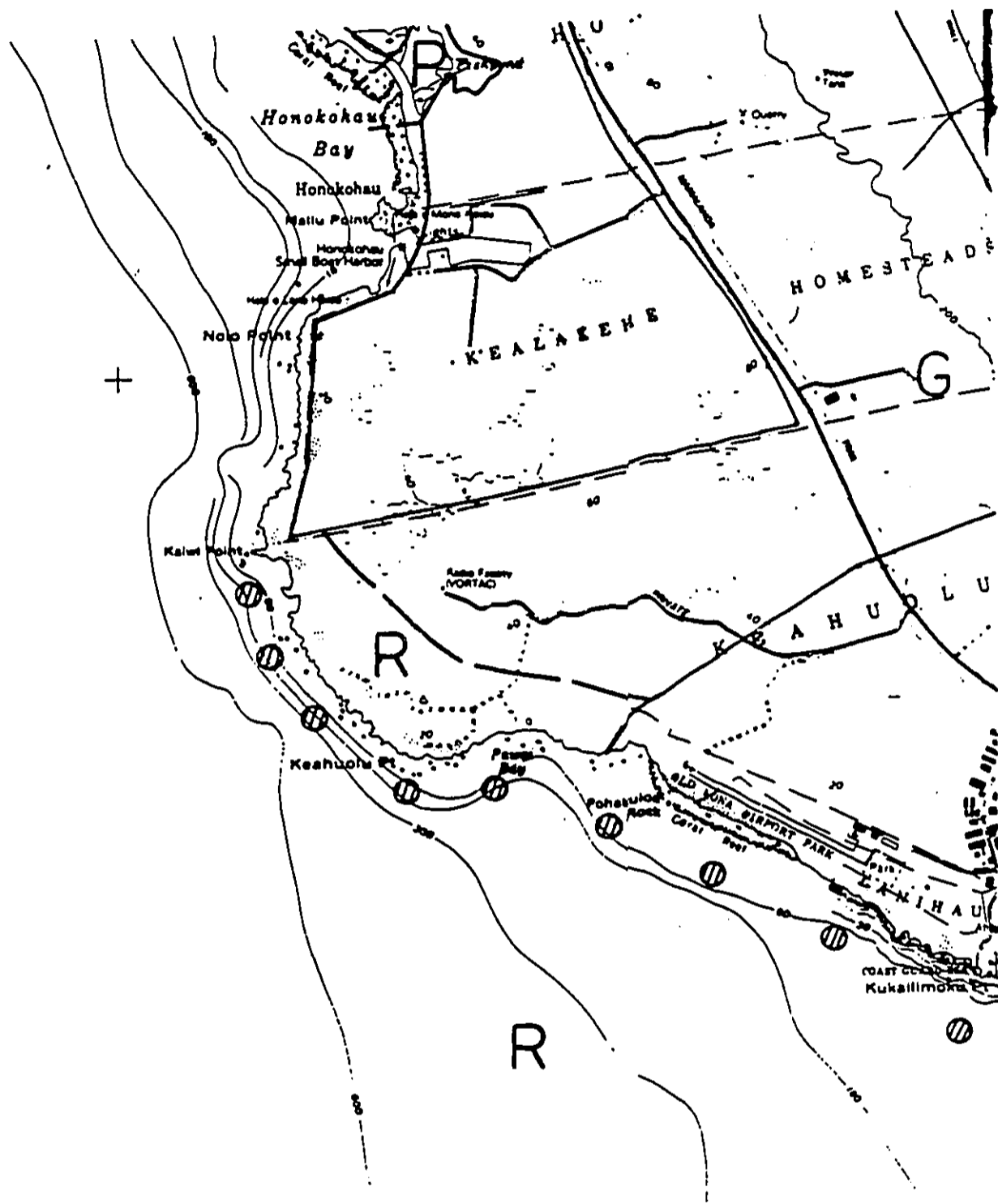


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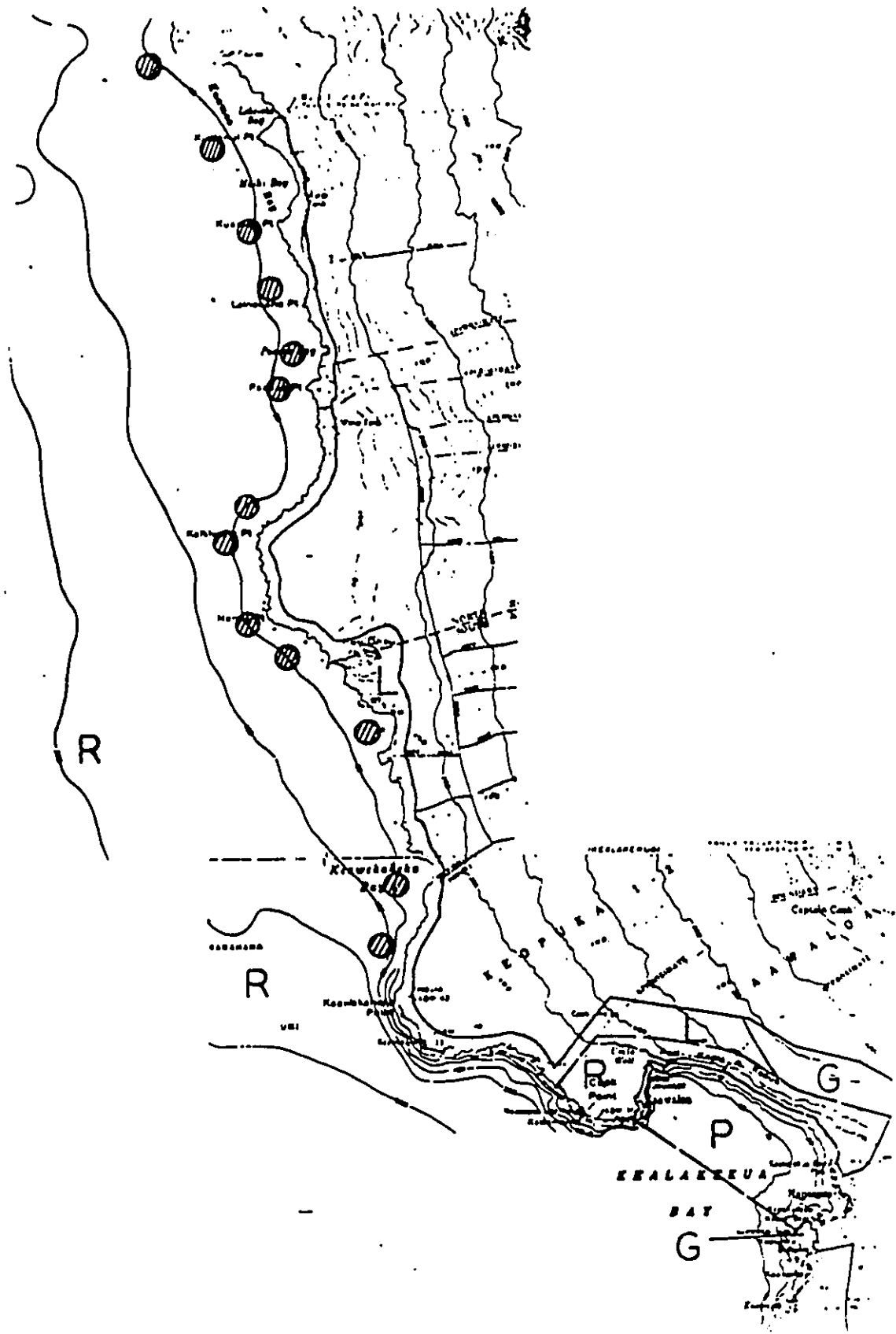


EXHIBIT "D"

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