

MAUI

1970s-1980s

GEORGE H. BALAZS
SEA TURTLE SIGHTINGS

SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs; Hawaii
Institute of Marine Biology; P. O. Box 1346;
Kaneohe, HI 96744; Tel. 247-6631)

Thank you for your cooperation

Observation made by Molly Arbors Date 12/14/81 Time 6:00 afternoon

Address & Tel. No. (optional) Box 10412 SPU Seattle WA 98119

Location (indicate on chart) 6 miles SE of Lahaina (Camp Perusa)

Observation made from: shore;
 boat; or while X skin
 SCUBA diving.

Estimated size (shell length) 3-4 ft

Turtle seen on: surface; or at depth
of approx. 10 ft.

Distinguishing characteristics (species
I.D. if known, long tail, shell color,
tags, injuries, etc.): distinct markings on
flap on flipper, dark shell. 2
that all were short tailed but none.

Other comments: we sighted 4
turtles on this snorkel dive 2 were together - resting under a rock
on the bottom. The other 2 sightings each was resting on the bottom
they all looked like same type turtle

SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Keith Hayashi

Address & Tel. No. (optional): 949-8902

Date: 5/21/81 Time: 3:10 pm Location (indicate

on chart): Makana, Maui

Observation made from: shore;
 boat; or while skin SCUBA diving.

Estimated size (shell length): 2 1/2'

Turtle seen on: surface; or at depth of
approx. ft. Distinguishing

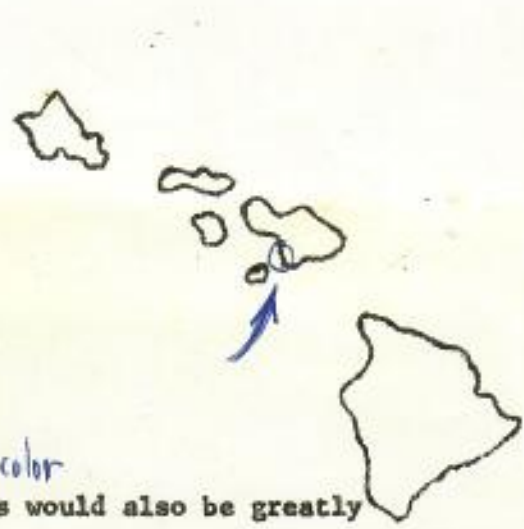
characteristics (species I.D. if known, long

tail, shell color, tags, injuries, etc.): Green shell color

(Information on turtle parts recovered from fish or sharks would also be greatly
appreciated).

Other comments: 2 turtles seen.

THANK YOU FOR YOUR COOPERATION




SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs,
Hawaii Institute of Marine Biology,
P.O. Box 1346, Kaneohe, HI 96744,
Tel. 247-6631)

Observation made by: The Baldi Family

Address & Tel. No. (optional): 2134 St. Louis Drive, Honolulu (737-2313)

Date: Jan. 18 Time: PM Location (indicate

on chart): Kailua Park Beach 

Observation made from: shore;

boat; or while skin SCUBA diving.

Estimated size (shell length): 2

Turtle seen on: surface; or at depth

approx. ft. Distinguishing

characteristics (species I.D. if known,

tail, shell color, tags, injuries, etc.)

(Information on turtle parts recovered from fish or sharks would also be greatly appreciated).

We only saw his head & neck. The beach was virtually empty when we were there, and he stayed about

Other comments: 25-30' away from our children, who were playing in the water. He stayed there for at least 20 min. to 1/2 hr.

THANK YOU FOR YOUR COOPERATION

Cut along dotted line



Baldi



University of Hawaii at Manoa
Linguistics

Department of Linguistics
Moore Hall 569 2550 East West Road
Honolulu, Hawaii 96822



6 Jan

Leighton -

Would you please mark on this map the exact location of your Maui house?

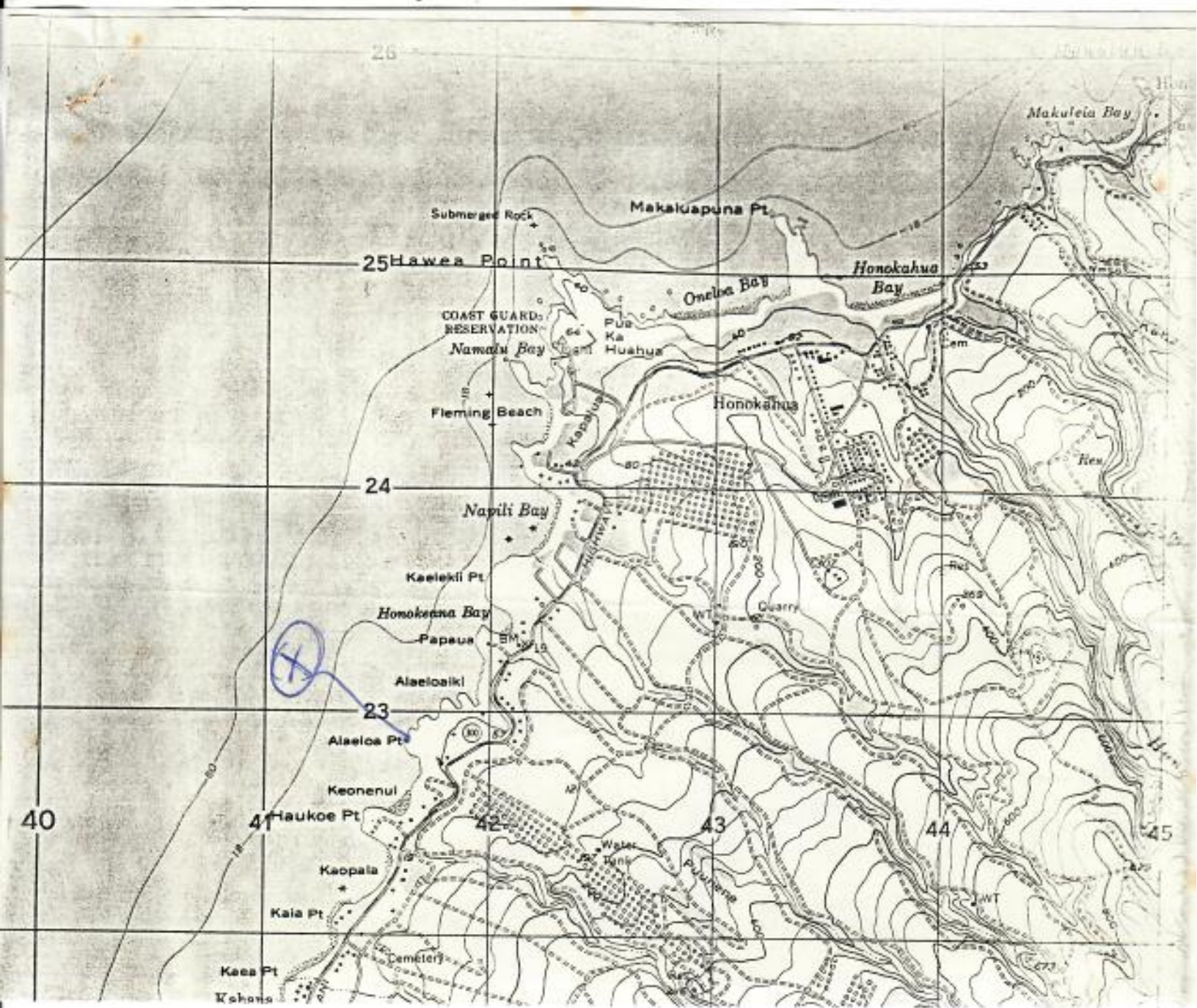
You mentioned regularly seen turtles at this site, therefore it would be of value to me.

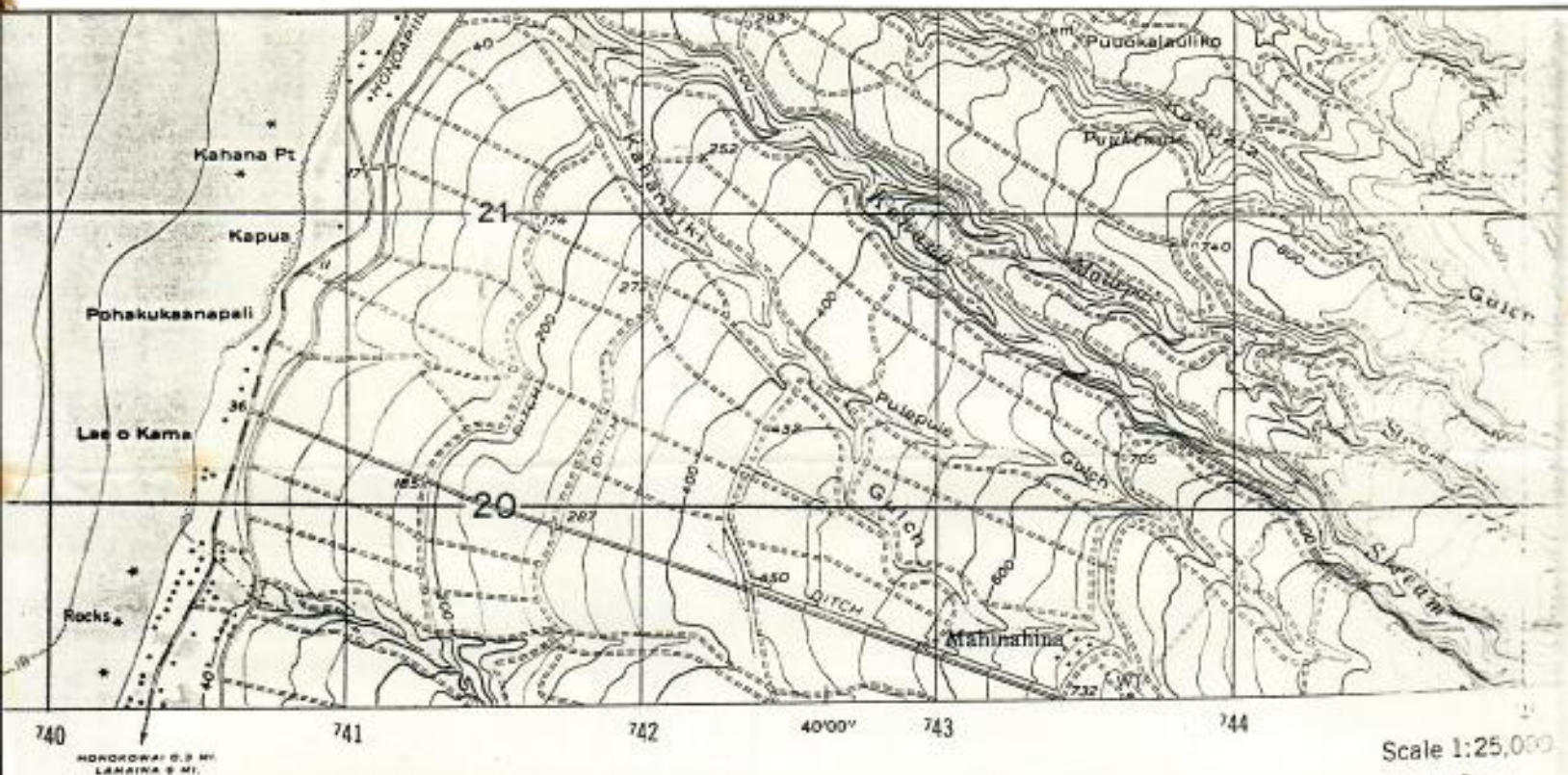
Mahalo - Happy New Year -

I have photos of Gay Bay the coastline of

mainly rocks & tidepools but we

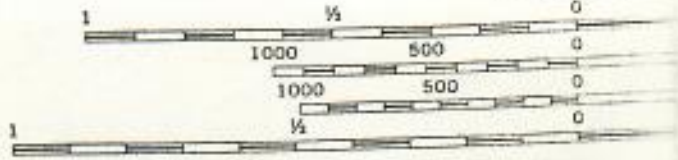
have a 6' swim in the rocks - Alay for your's use behind know's and photos. 27





Engineers, U. S. Army, Washington, D. C. Copied
 Original map compiled by U. S. Geological
 Survey methods from aerial photographs taken 1950
 and 1951. Horizontal and vertical control by
 national standard map accuracy requirements.

LIBRARY OF
 GEORGE H. BALAZS
 UNIVERSITY OF HAWAII
 Hawaii Institute of Marine Biology
 Honolulu Island • P. O. Box 1346 • Kaneohe, Hawaii 96744



- Improved light duty road, street
- Improved dirt road, Trail
- Boundary markers: Federal, State
- Light, lighthouse, Windmill, wind pump
- Intermittent lake and stream

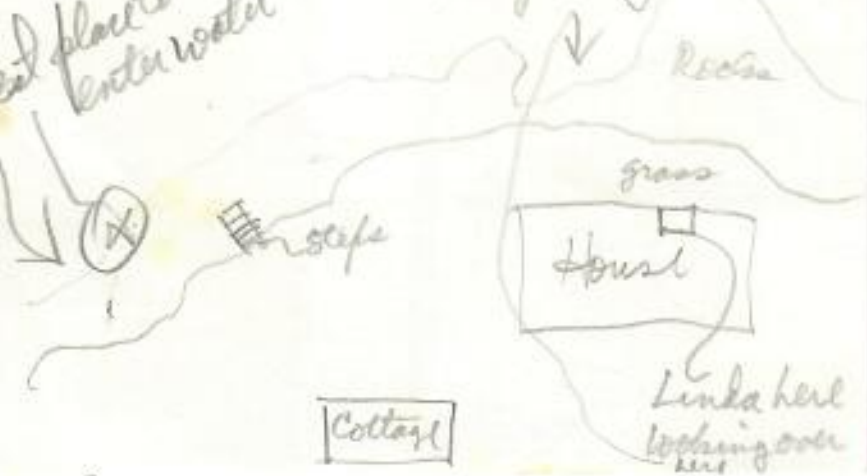
CONTOUR INTERVAL: 40
 VERTICAL DATUM: SEA LEVEL DATUM
 TRANSVERSE MERCATOR
 HORIZONTAL DATUM: OLD HAWAIIAN
 HYDROGRAPHIC DATUM: DEPTH CURVES IN FEET REPRESENT THE APPROXIMATE
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE
 THE AVERAGE RANGE OF TIDE IS APPROXIMATE
 BLACK NUMBERED LINES INDICATE THE 1,000 METERS
 MERCATOR GRID, ZONE 4, INTERSECTION
 THE LAST THREE DIGITS OF THE GRID NUMBER
 BEING NOTED (ERRORS OR OMISSIONS ON THIS MAP ARE OUGHT TO BE REPORTED TO THE
 OFFICER, ARMY MAP SERVICE, WASHINGTON, D. C. MAPS SO FORWARDED)

GRID ZONE DESIGNATION: 4Q	TO GIVE A THIS MAP
100,000 M. SQUARE IDENTIFICATION	SAMPLE POINT

Pair of Robins
Used to be here

Best place to
enter water

I suggest watching from this
point - High vantage point
See turtles here
regularly



Colony

Linda here
looking over

Rene
Sylvia

LATE MAY 1981

Dear George,

I'm always happy to help you in this kind of conservation.

Since all turtle areas are not the same, in the abundance of food, I'm including a scale of one to four to indicate the abundance of turtles that I'm familiar

with. I'm of the opinion that most turtles feed at night.

The best time to spot turtles are just before sunrise or at sunrise, when the turtles are still in the feeding areas and are just beginning to leave.

There seem to be more turtles feeding, and they come closer to shore, when the water is rough, with lots of heavy breakers.

- 1 - More than twenty
- 2 - Ten to twenty
- 3 - Five to ten
- 4 - One or two.
- ① - Before 1950

Please return to: George Balazs
Hawaii Institute of Marine Biology
P.O. Box 1346
71 Kaneohe, Hawaii 96744

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73

C

SYNA

RENE 1981

- 1- More than twenty
- 2- Ten to twenty
- 3- Five to ten
- 4- One or two.
- ① - Before 1950

4



Kuau

Puma

BM 100

Hawa

Vill

SUGAR

HILL

UPPER

MAUI

ROAD

CHOPUS

MAUI

COUNTRY CLUB

RAILROAD

HIGHWAY

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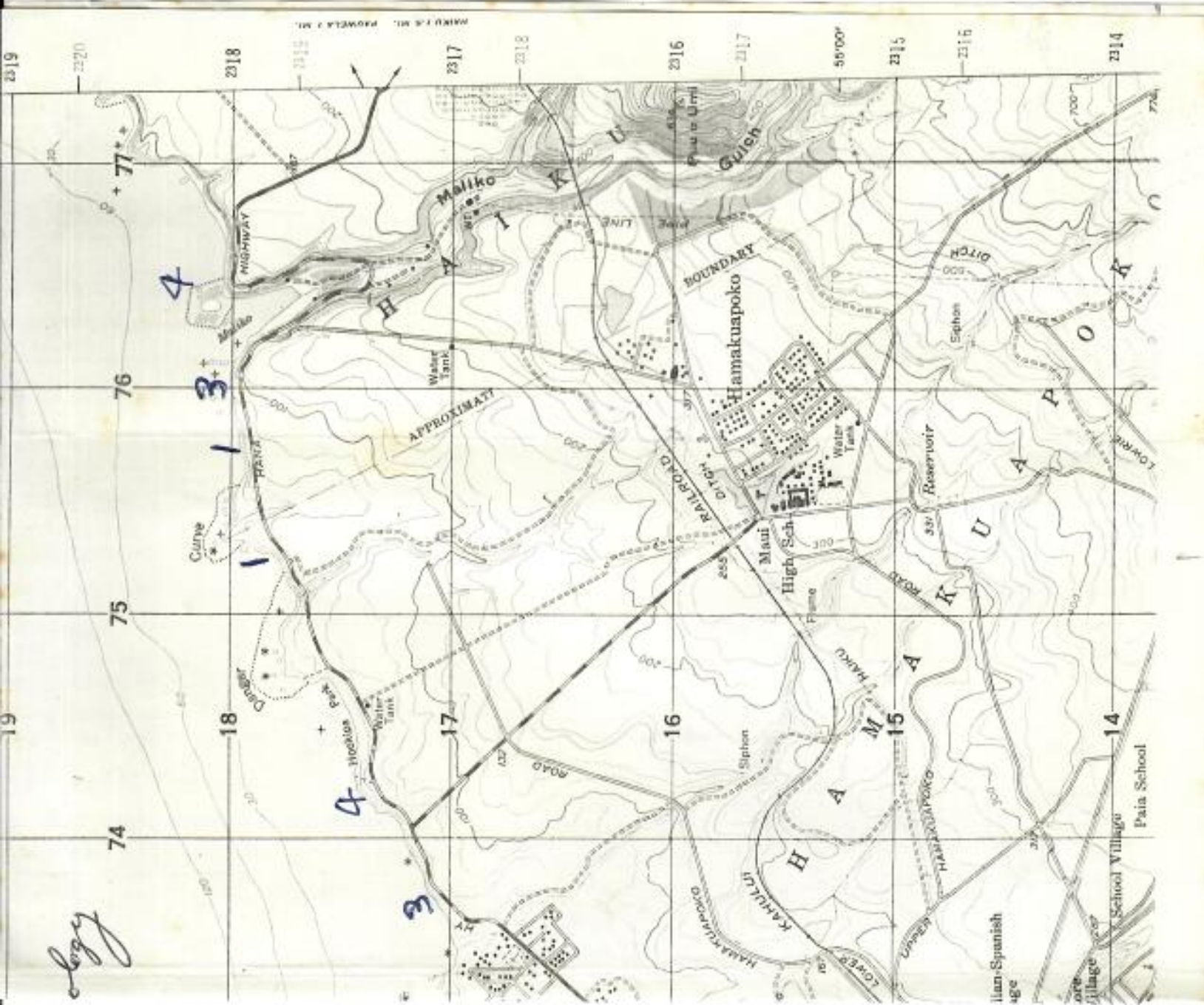
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MAUI U.S. M. POWERS & M.

50'00"

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2317

P A C I F I C

17

2318

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16

Spartan Reef

2317

55°00'

2315

15

3 Papaula Point

2316

2314

BOUNDARY
KAHULUI
Russian Village
Japanese Village 1
Kauon Sch
Hawaii Villa
Spreckelsvill

65

Kaa

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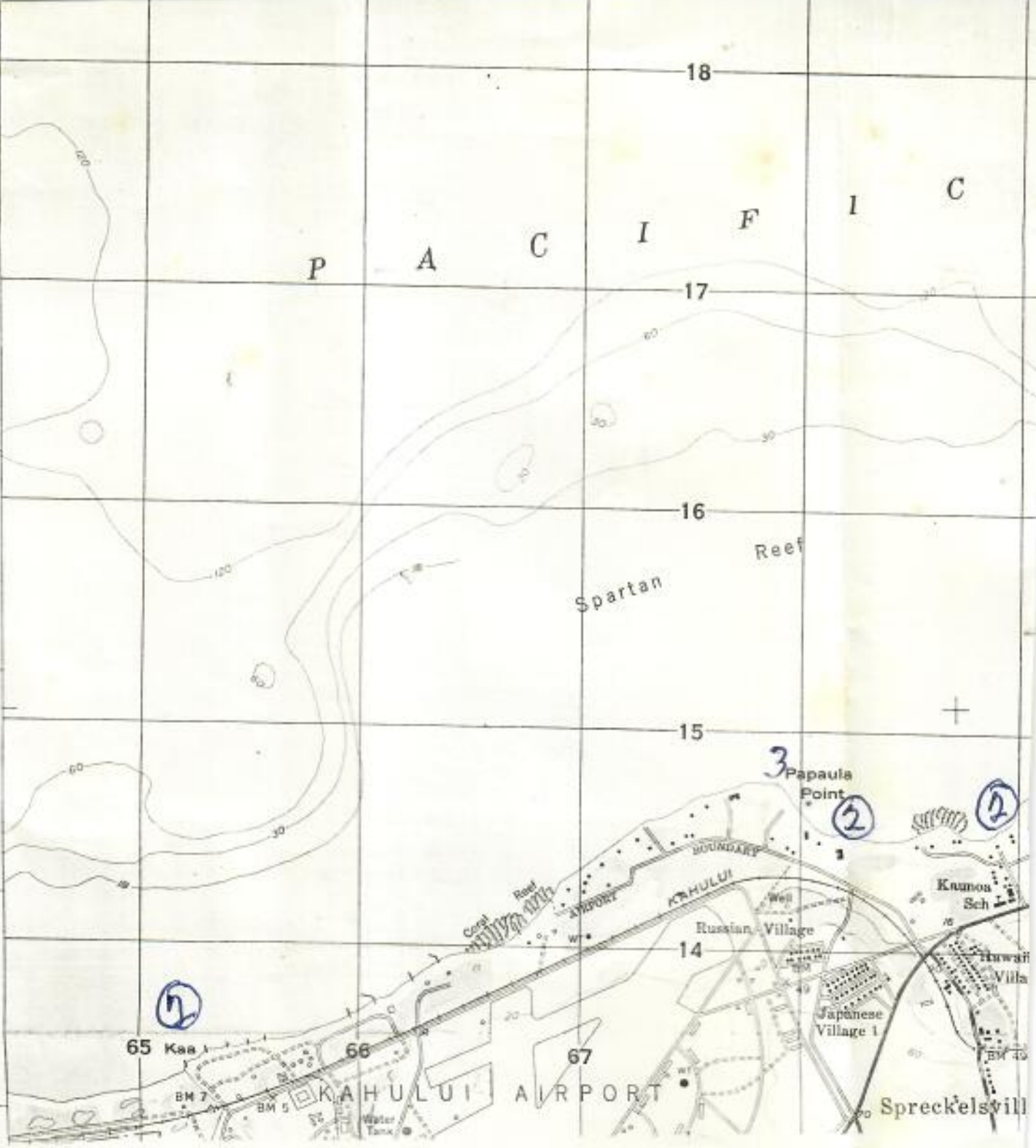
KAHULUI AIRPORT

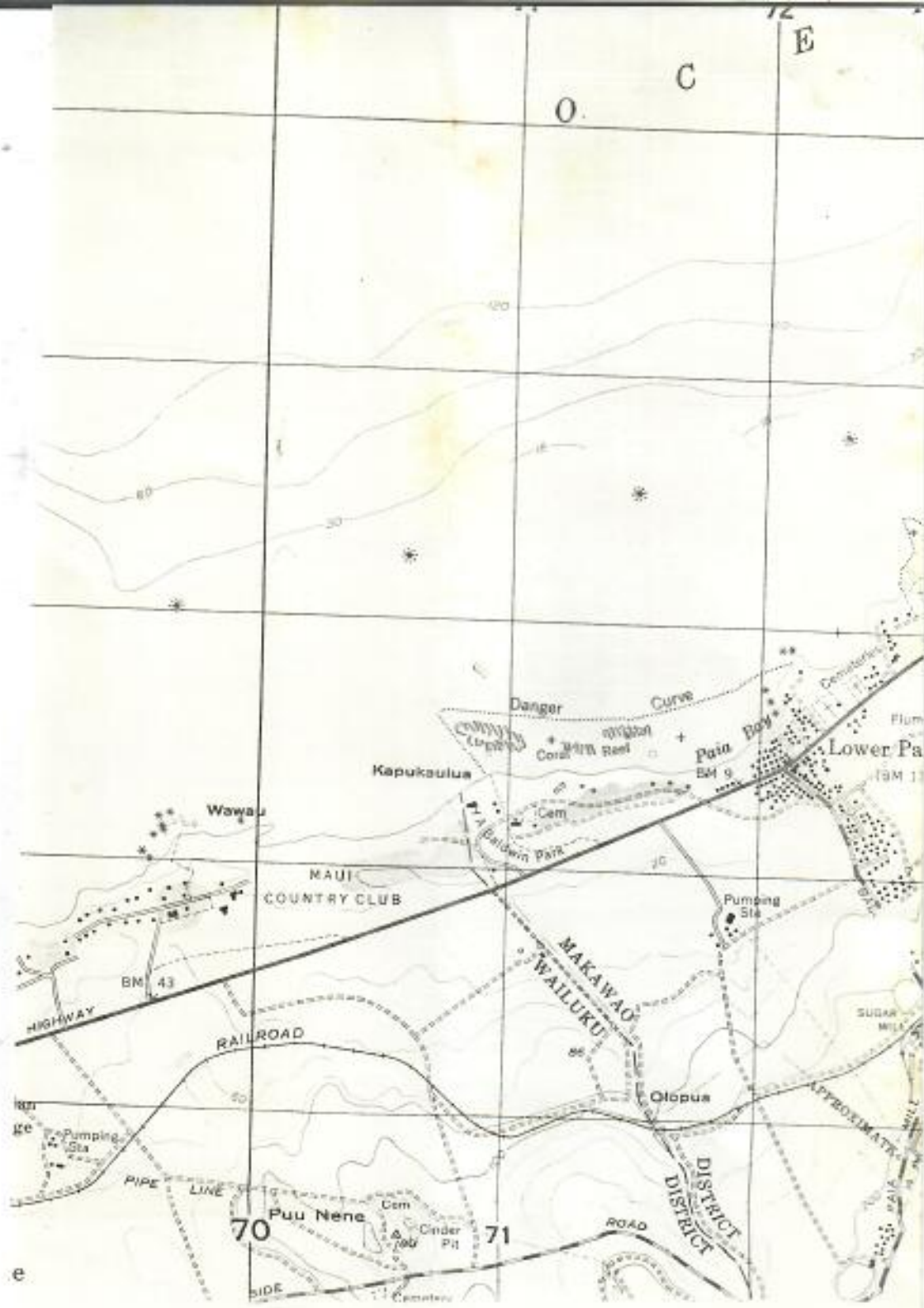
BM 7

BM 5

Water Tank

2315





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11 20 15 0°

758

759

760
30' 00"

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762

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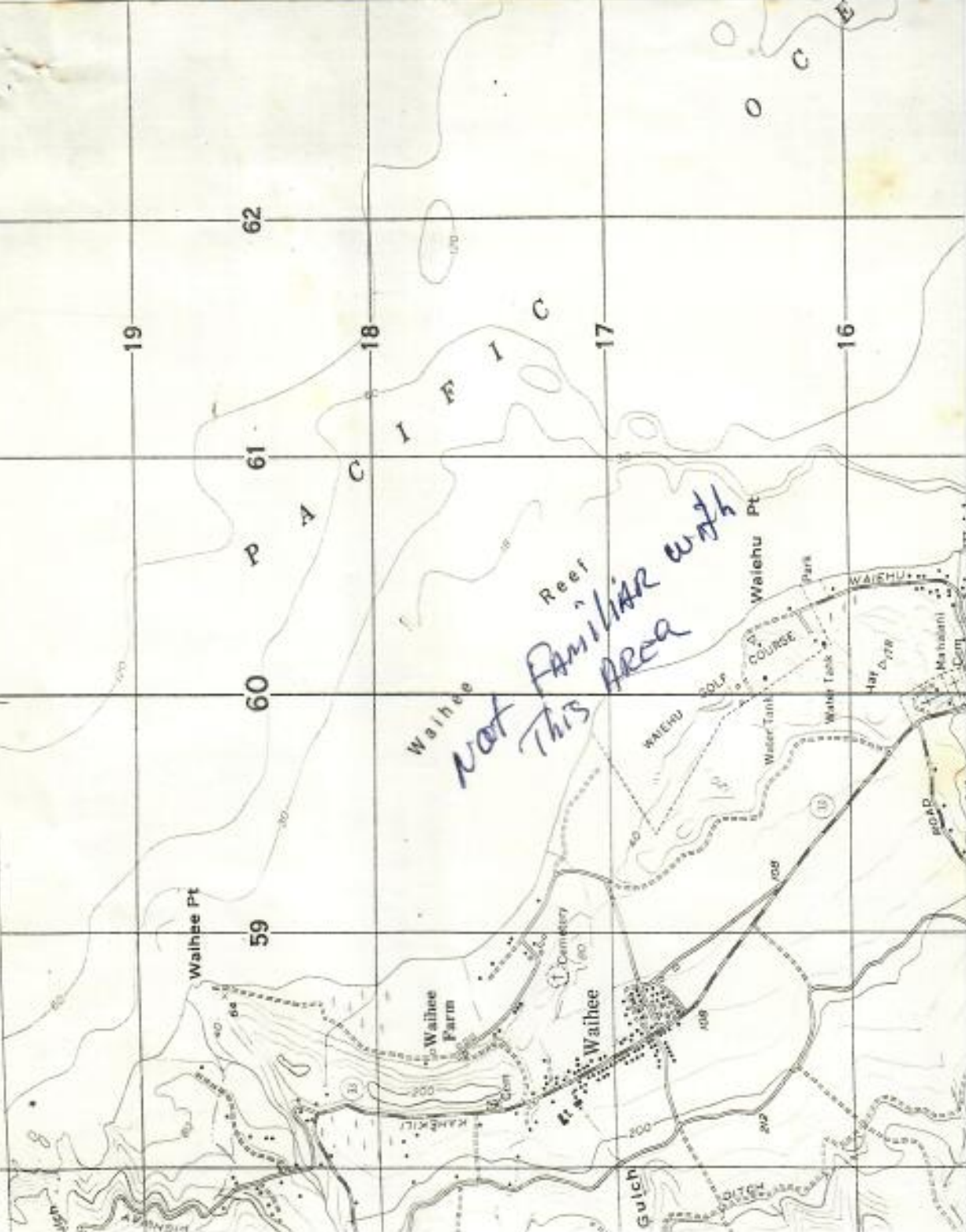
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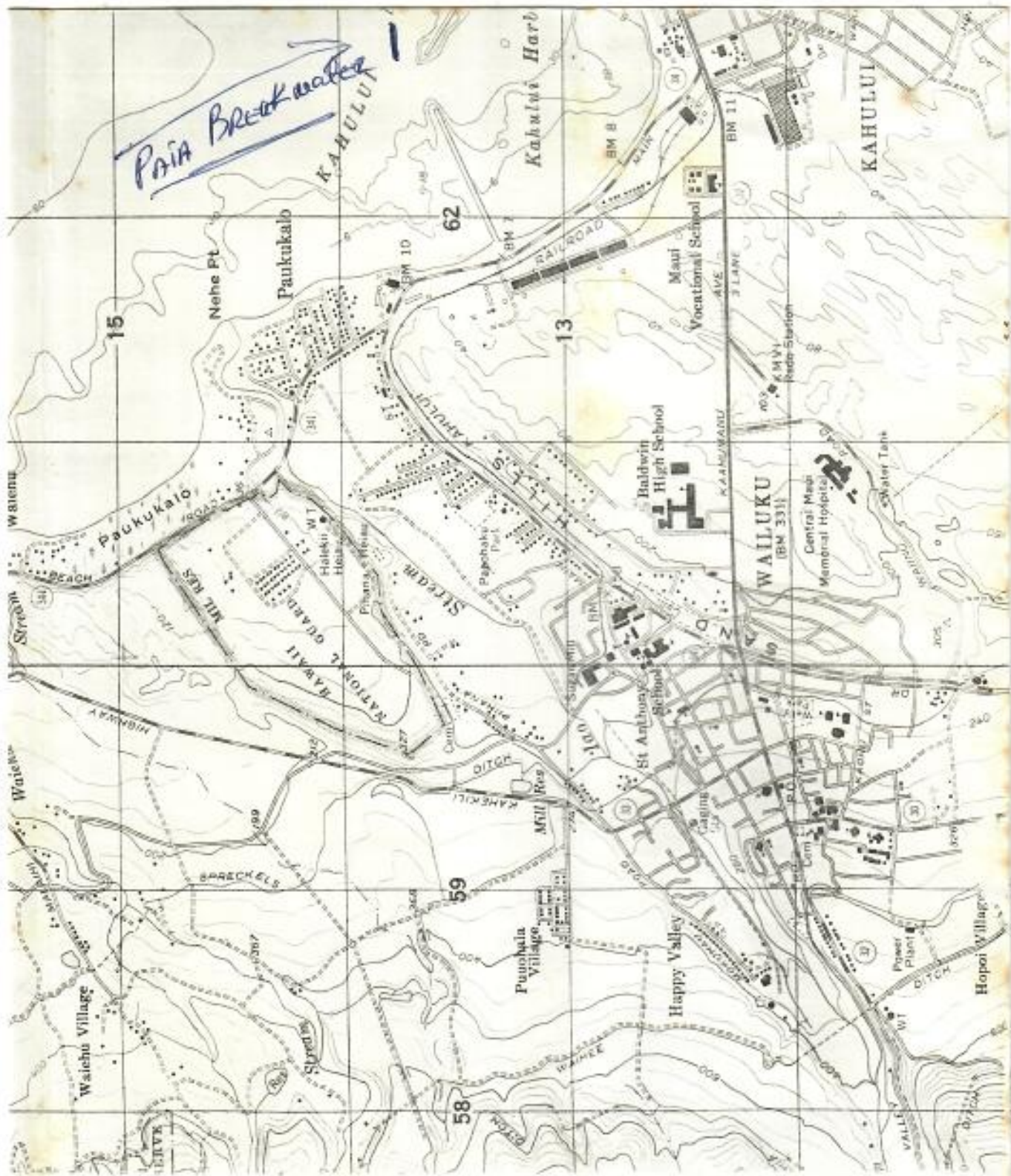
17

16

O
C
E

*Waiehe Reef
Not familiar with
this area*





Mr. Rene Sylva
P. O. Box 218
Paia, Maui 96779

Sept 24, 1974
Paia, Maui

TEL 244-3276
579-9616

Dear Mr. Balazs,

In response to your questions about nesting sights here on Maui, I know of no nesting sights any where on Maui. On your second question about the metal tags of captured sea turtles by me, in all the years of almost a thousand turtles that I was involved with ~~tags~~, none were ever captured with tags. However my last turtle caught was in 1970, when I caught five. Since then I have voluntarily stopped catching turtles and have destroyed my nets. Your third question about the hawksbill turtle. I am positive I've caught some in the past, but because there are lots of different people involved with the catching and slaughtering, I cannot recall the details. Your fourth question on tumors. Yes, I do recall catching several over the years, especially one that I caught in 1964 or 65. I remember this particular turtle because of the bad state of deterioration. We had three or four turtles that day, and I recall this huge male turtle in our net. As we brought the turtle on board our boat, it was in such a poor state, with tumors about the size of golf balls around the edges of his eyes mouth and around the edges of his shell and wings. The bottom shell was partially colapsed and badly concaved. Some of the tumors were bleeding. The turtle was still alive and I ordered the turtle thrown over board. However an old time turtle fishermen, who was also aboard and who was catching turtles since the early 1920's requested that I give him the turtle, that there was nothing wrong with it. He and his family did eat the turtle and he is still in good health today. On your last question about jigging. I'm not familar with this technique, and do not believe it was used in our area. I'm very interested in learning about further protection on Green Sea Turtles. I agree with you that the green sea turtle should become an endangered species. Please provide me with information on who and where to write and I will send testimony in favor of putting the green sea turtle on the endangered list. Thank you for all your efforts to preserve the green sea turtle.

Aloha
Rene Sylva.





ID ZONE DESIGNATION: 4Q
 ID ZONE DESIGNATION: 5Q

N.



**Eastern
MAUI**

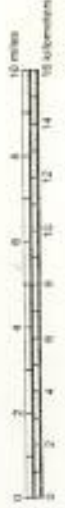
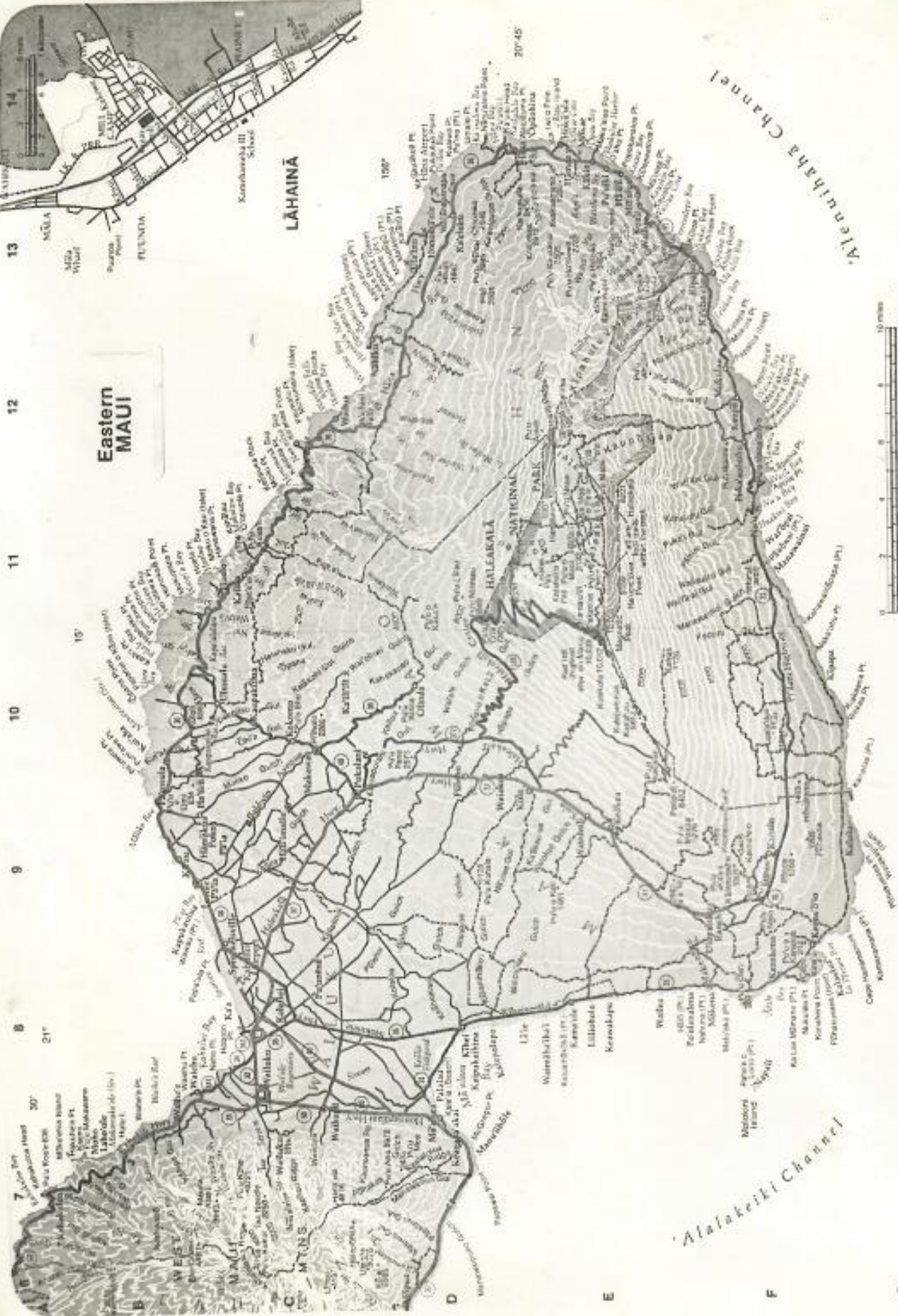
7 8 9 10 11 12 13

21°

15'

LĀHAINĀ

70°45'



Alaiakiki Channel

Alenuihaha Channel

G

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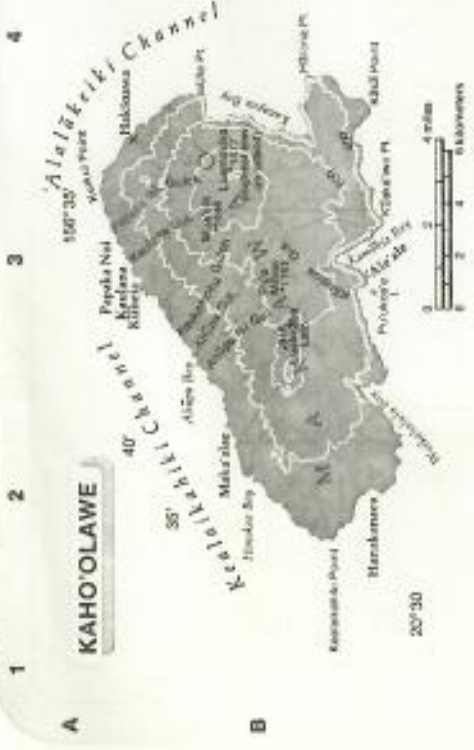
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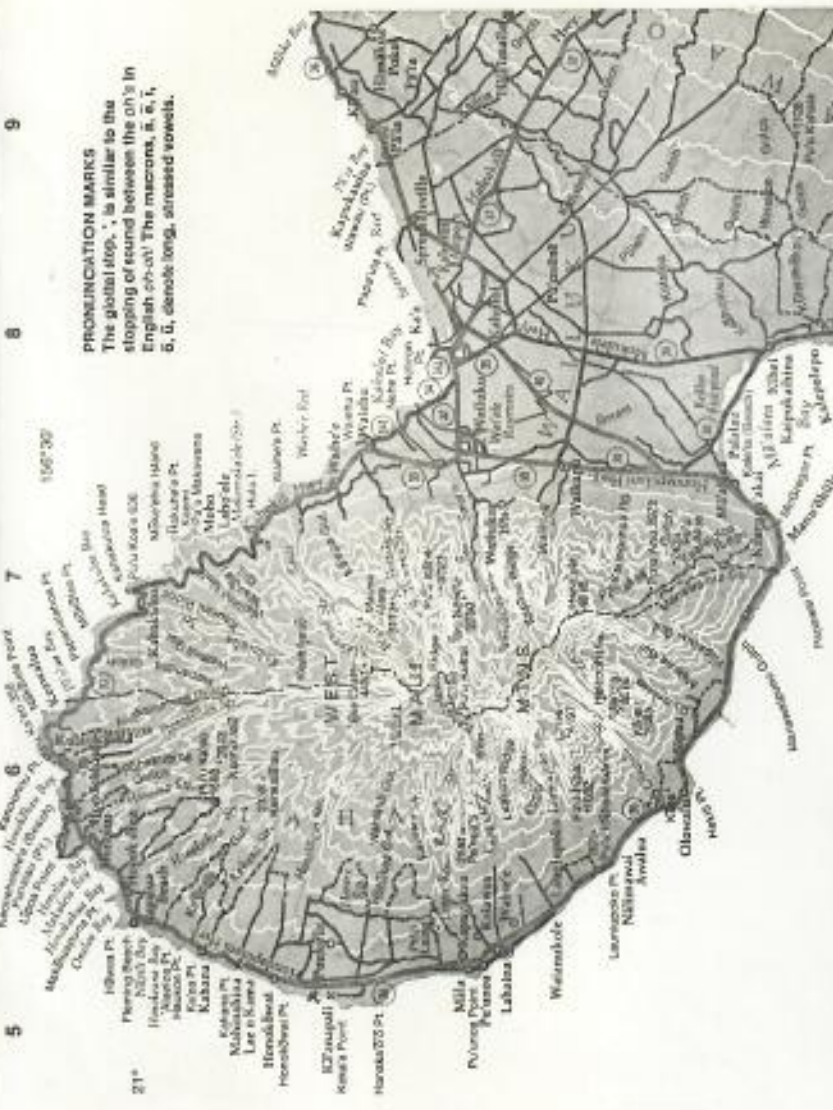
B

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KAHO'OLAWÉ

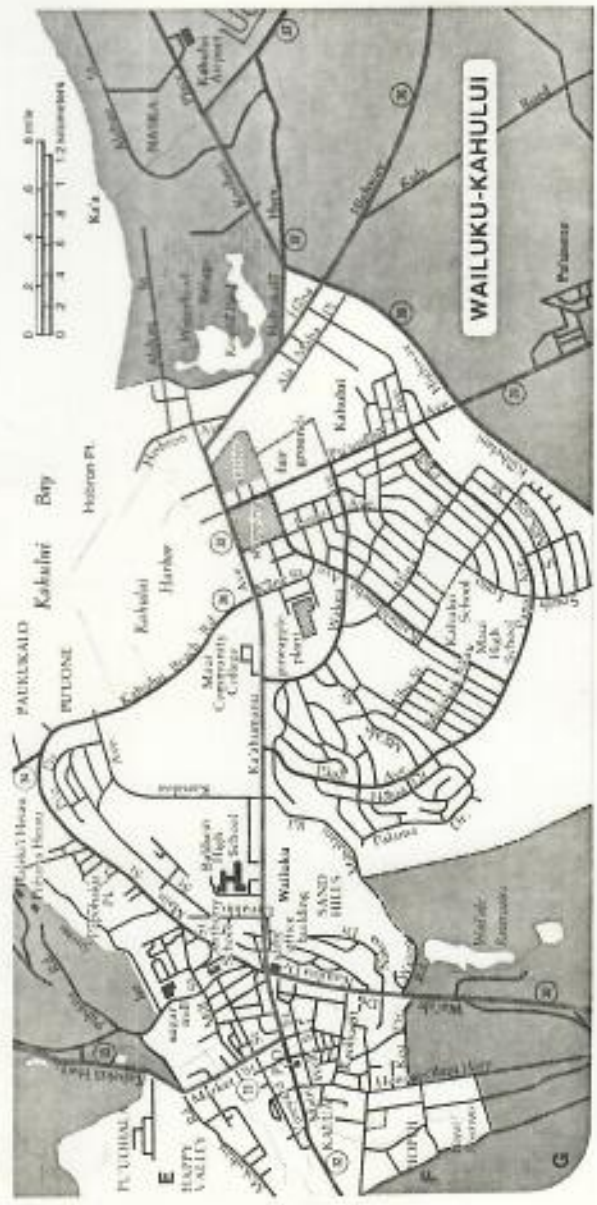


Western MAUI



PRONUNCIATION MARKS
 The glottal stop, ' , is similar to the stopping of sound between the d's in English d's-d's'. The macrons, ā, ē, ī, ō, ū, denote long, stressed vowels.

Western MAUI



Alala'ikeiki Channel

SEA TURTLE SIGHTING REPORT

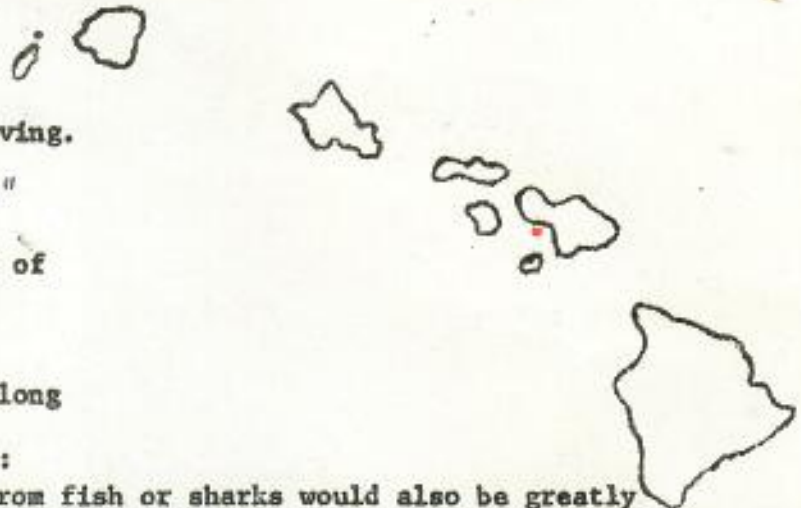
(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Anne Appleby

Address & Tel. No. (optional): 2406 Delphi Rd SW, Olympia, Wa 98502 #206 866-0457

Date: Nov. 5, 1981 Time: 16:00 Location (indicate

on chart): Over 15' of water

Observation made from: shore; 
boat; or while skin SCUBA diving.

Estimated size (shell length): 14"-16"

Turtle seen on: surface; or at depth of

approx. 15 ft. Distinguishing

characteristics (species I.D. if known, long

tail, shell color, tags, injuries, etc.):

(Information on turtle parts recovered from fish or sharks would also be greatly appreciated). The turtle had the smooth edged, smooth square-ish scutes of a green sea

turtle, Chelonia mydas.

Other comments: The turtle was resting still on the bottom on sand next to a large head of P. lobata. Just as I swam over head it swam away swiftly.

THANK YOU FOR YOUR COOPERATION





SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Barb Givlin & Mary Friedberg

Address & Tel. No. (optional): _____

Date: Nov. 26, 1981 Time: 10:50 am Location (indicate

on chart): Camp Peacock, Olowale, Maui, HI.

Observation made from: shore; ^{① 200 yards from W beach of Camp Peacock}
^{② 350 yards from central beach of Camp Peacock}

_____ boat; or while skin _____ SCUBA diving.

Estimated size (shell length): ^{① 1 1/2 feet}
^{② 2 1/2 feet}

Turtle seen on: _____ surface; or at depth of

^{① 10-12 ft.}
^{② 15-20 ft.} approx. _____ ft. Distinguishing

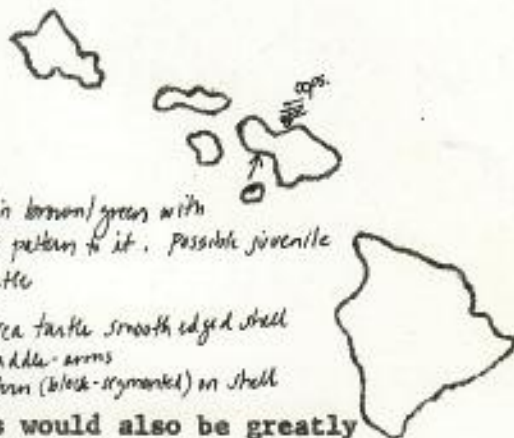
characteristics (species I.D. if known, long

tail, shell color, tags, injuries, etc.):

(Information on turtle parts recovered from fish or sharks would also be greatly appreciated).

① Shell was plain brown/green with no distinctive pattern to it. Possible juvenile green sea turtle

② Adult green sea turtle smooth edged shell golden/green paddle-arms distinctive pattern (black-segmented) on shell

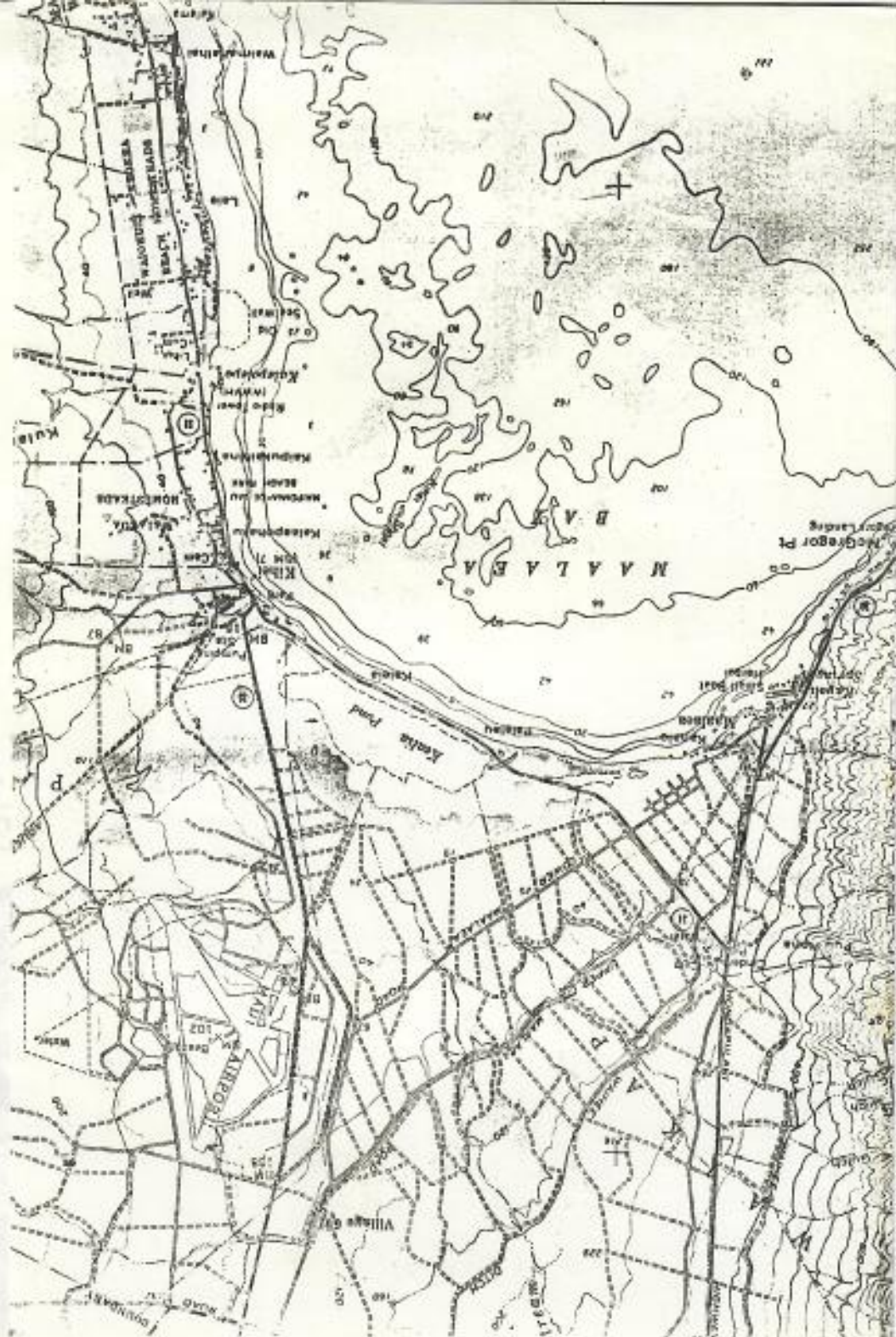


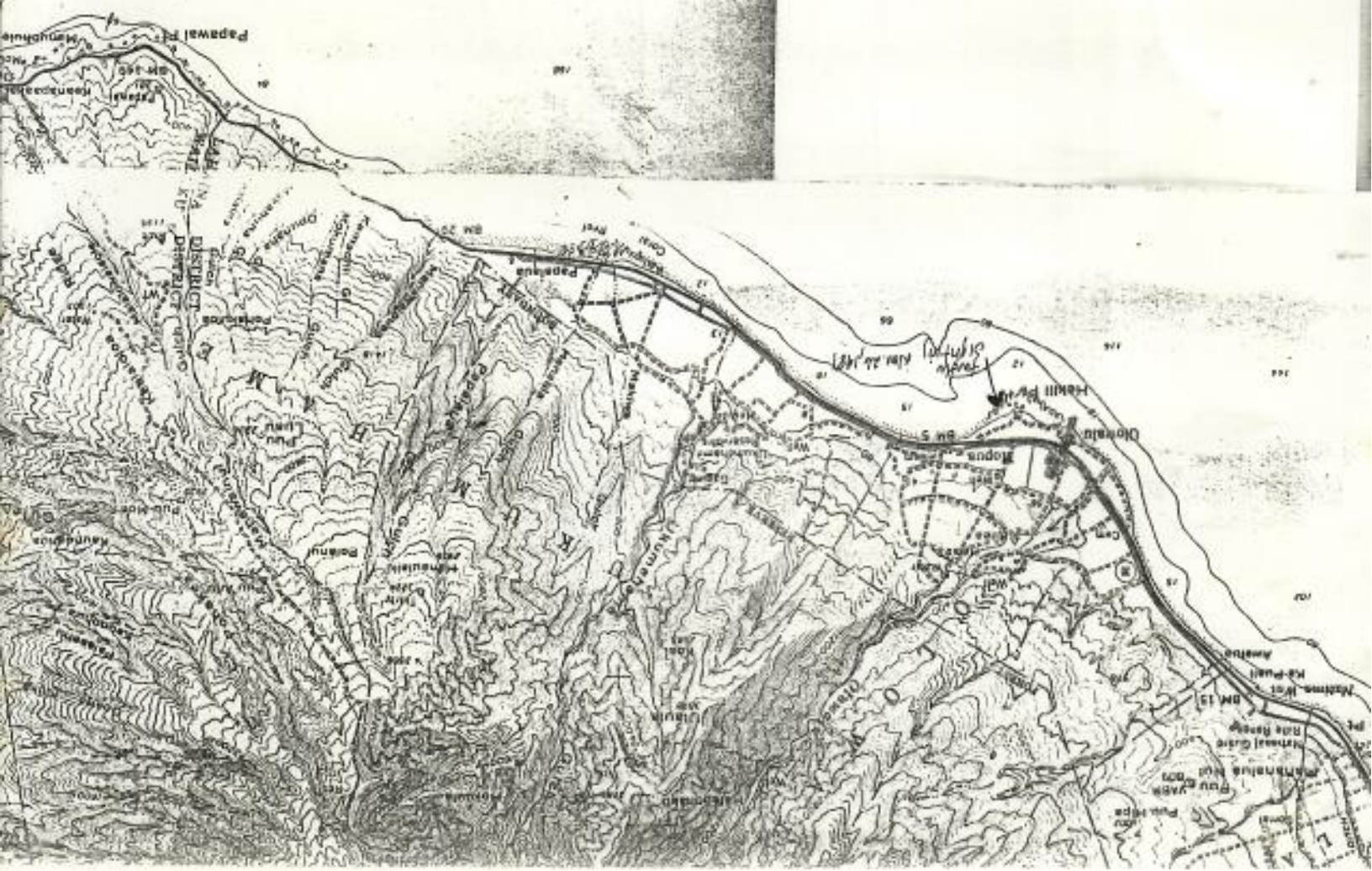
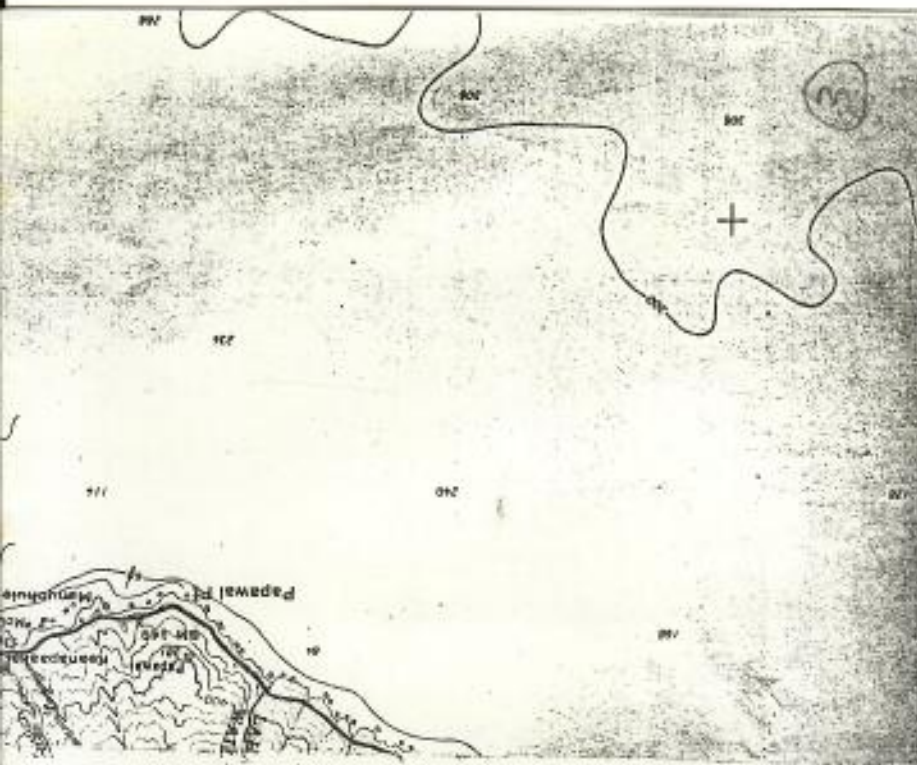
2 turtles
Other comments: visibility 35-45 feet. occasional gusts of winds up to 20 mph. otherwise calm. partially stormy

skies, temp. in the high 80's. The younger turtle came out from another coral/rock ledge and quickly darted by.

The older turtle swam up under me and darted away.

THANK YOU FOR YOUR COOPERATION





SEA TURTLE SIGHTING REPORT

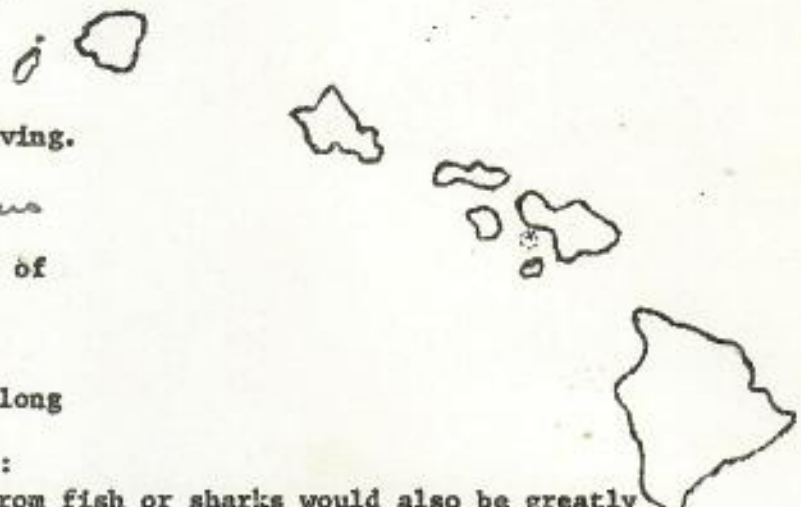
(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: L. Martin

Address & Tel. No. (optional): 510 Puget St., Olympia, Wa. 98506

Date: Nov. 12 Time: 10:45 AM Location (indicate

on chart): 325 m off Okawahe reef ^(Comp Reef)

Observation made from: shore; 

boat; or while skin SCUBA diving.

Estimated size (shell length): .8 meters

Turtle seen on: surface; or at depth of

approx. 15 ft. Distinguishing

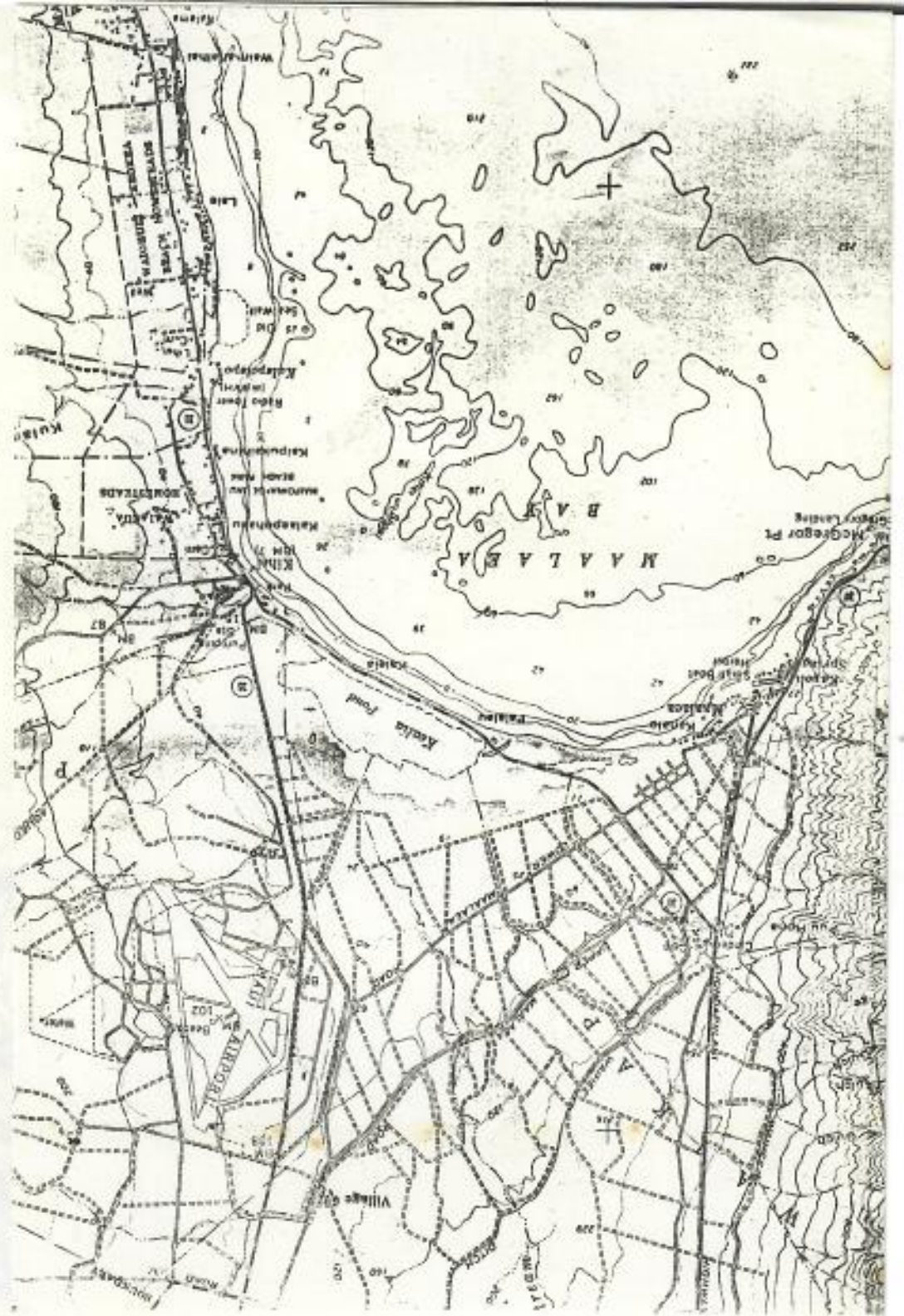
characteristics (species I.D. if known, long

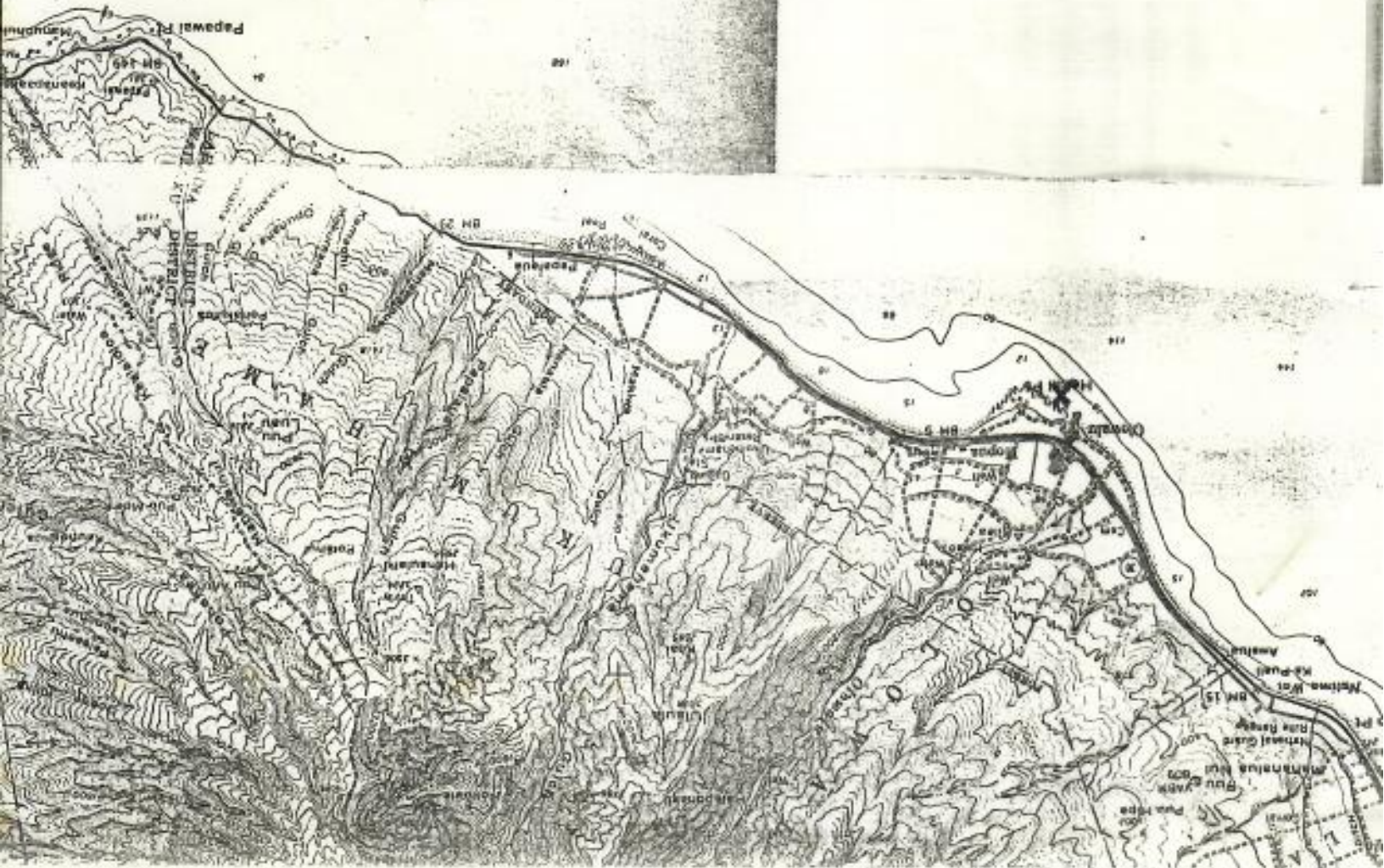
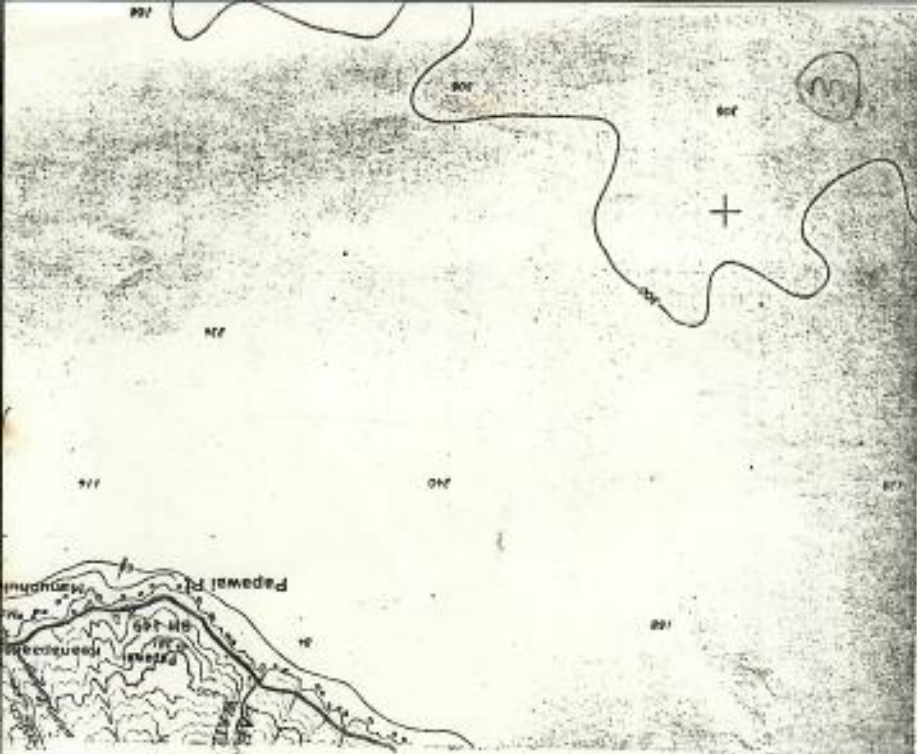
tail, shell color, tags, injuries, etc.):

(Information on turtle parts recovered from fish or sharks would also be greatly appreciated).

Other comments: One specimen only; no species I.D. Turtle swimming along bottom, picked up speed and moved away at seeing me.

THANK YOU FOR YOUR COOPERATION





SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Barbara Gieglin

Address & Tel. No. (optional): 4745 69th Ave. NW, Olympia WA 98502, (206) 866-2207

Date: Nov 14 Time: 1020 Location (indicate

on chart): Lampetusa, Olowatu, Maui

Observation made from: shore;

 boat; or while skin SCUBA diving.

Estimated size (shell length): 2 1/2' ; 3 1/2'

Turtle seen on: surface; or at depth of

approx. 25 ft. Distinguishing

characteristics (species I.D. if known, long

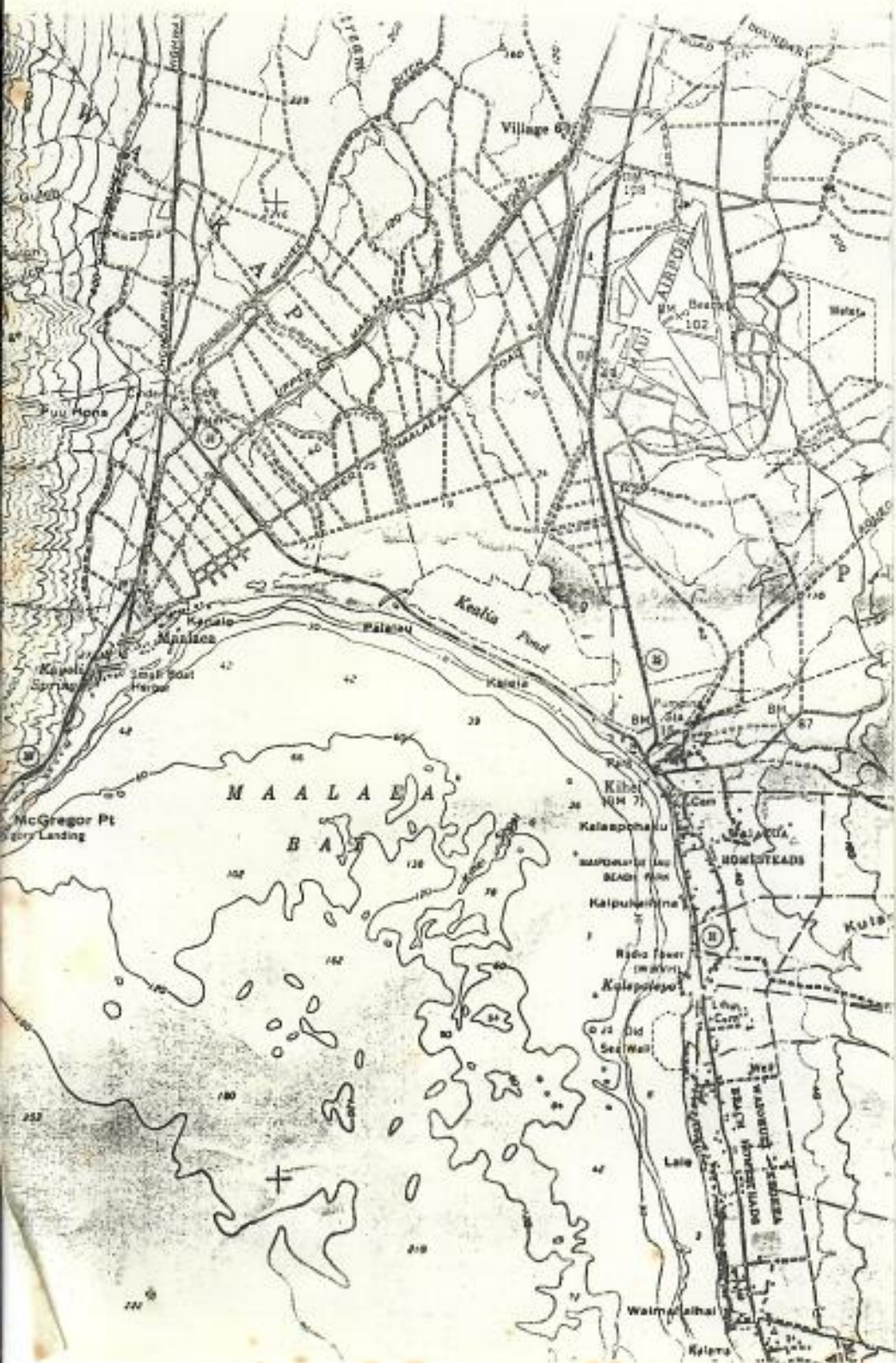
tail, shell color, tags, injuries, etc.): Believe to be Eretmochelys imbricata

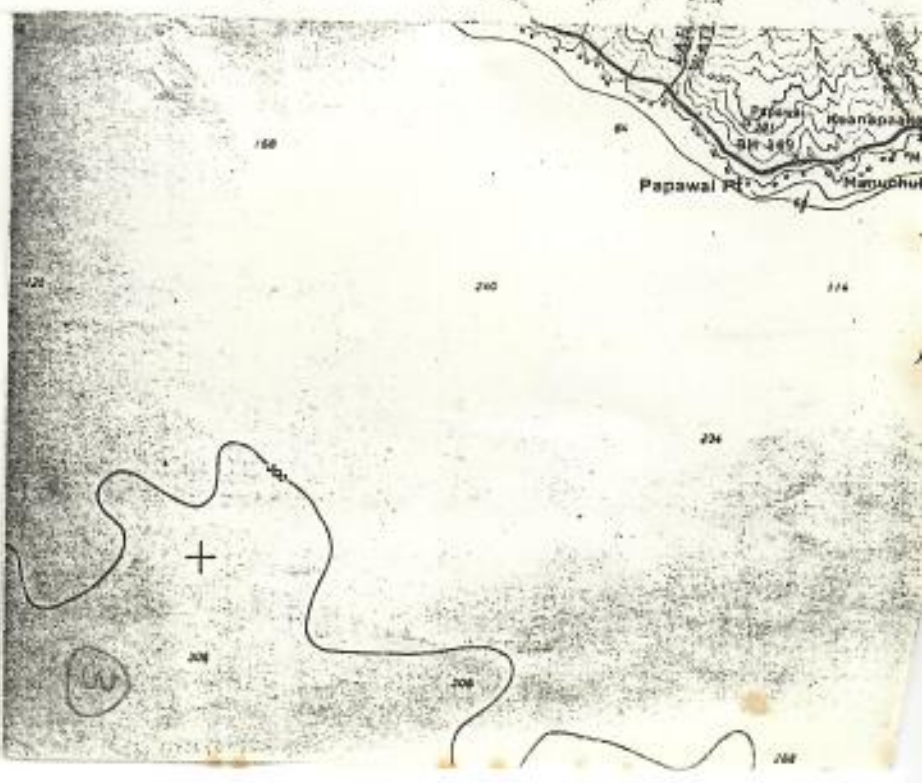
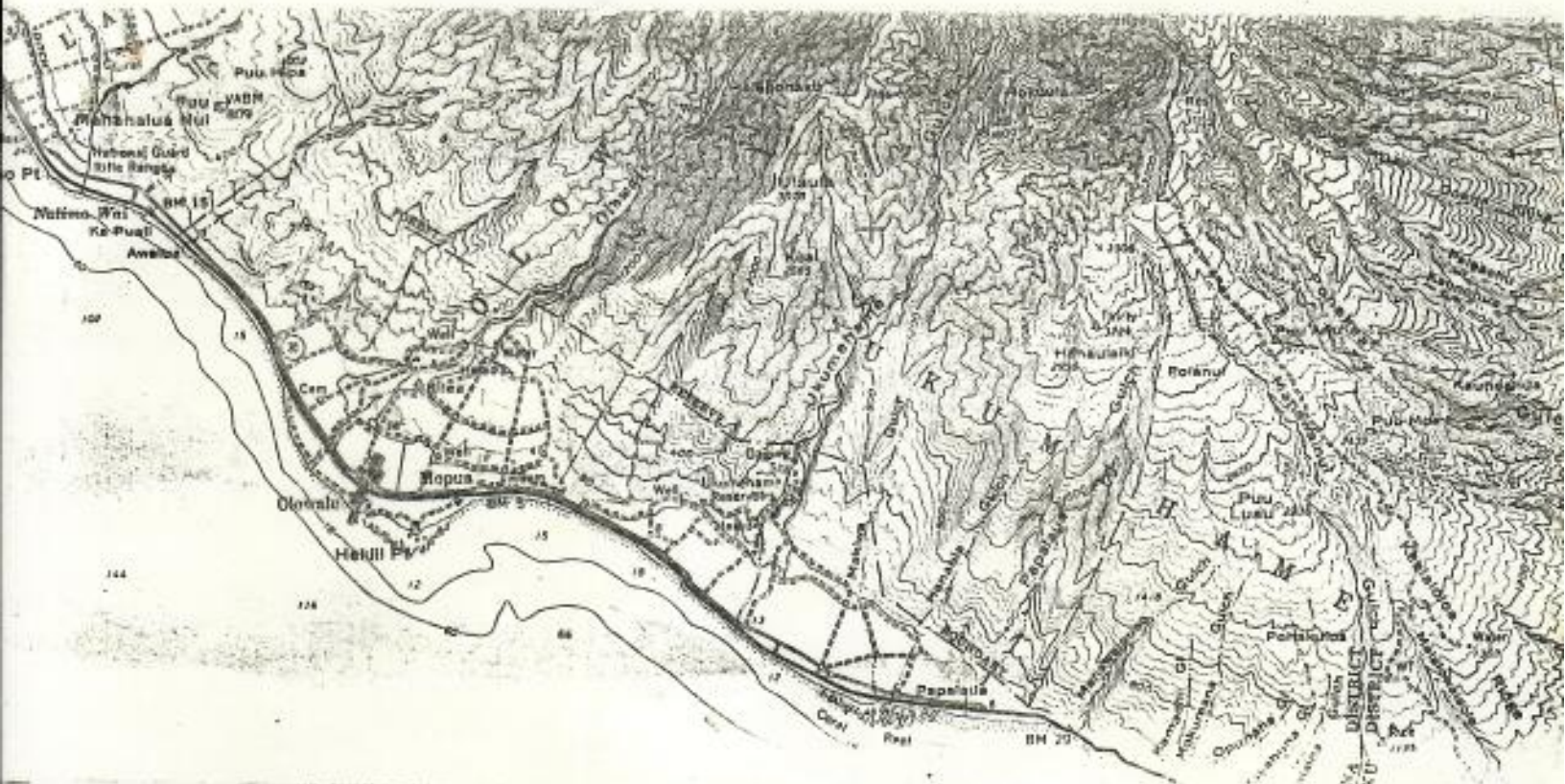
(Information on turtle parts recovered from fish or sharks would also be greatly appreciated).

Other comments: Spotted ^{2 turtles} 400 yards ^{out} from SE shore of camp. Spotted 1st turtle swimming midway in water heading north at a slow pace. Followed it underwater about 20' behind. 1st turtle slowly joined a 2nd turtle. Once they met, & after seeing me, they immediately started swimming for deeper waters.

60-80' underwater visibility
Calm, sunny day

THANK YOU FOR YOUR COOPERATION





SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Barbara Gimlin

Address & Tel. No. (optional): 4745 69th Ave. NW, Olympia, WA 98502, (206) 866 2207

Date: 11-13-81 Time: 1125 Location (indicate

on chart): Camp Pecunia Beach, Olowalu, Maui

Observation made from: shore;

 boat; or while skin SCUBA diving.

Estimated size (shell length): 3 1/2'

Turtle seen on: surface; or at depth of

approx. 15 ft. Distinguishing

characteristics (species I.D. if known, long

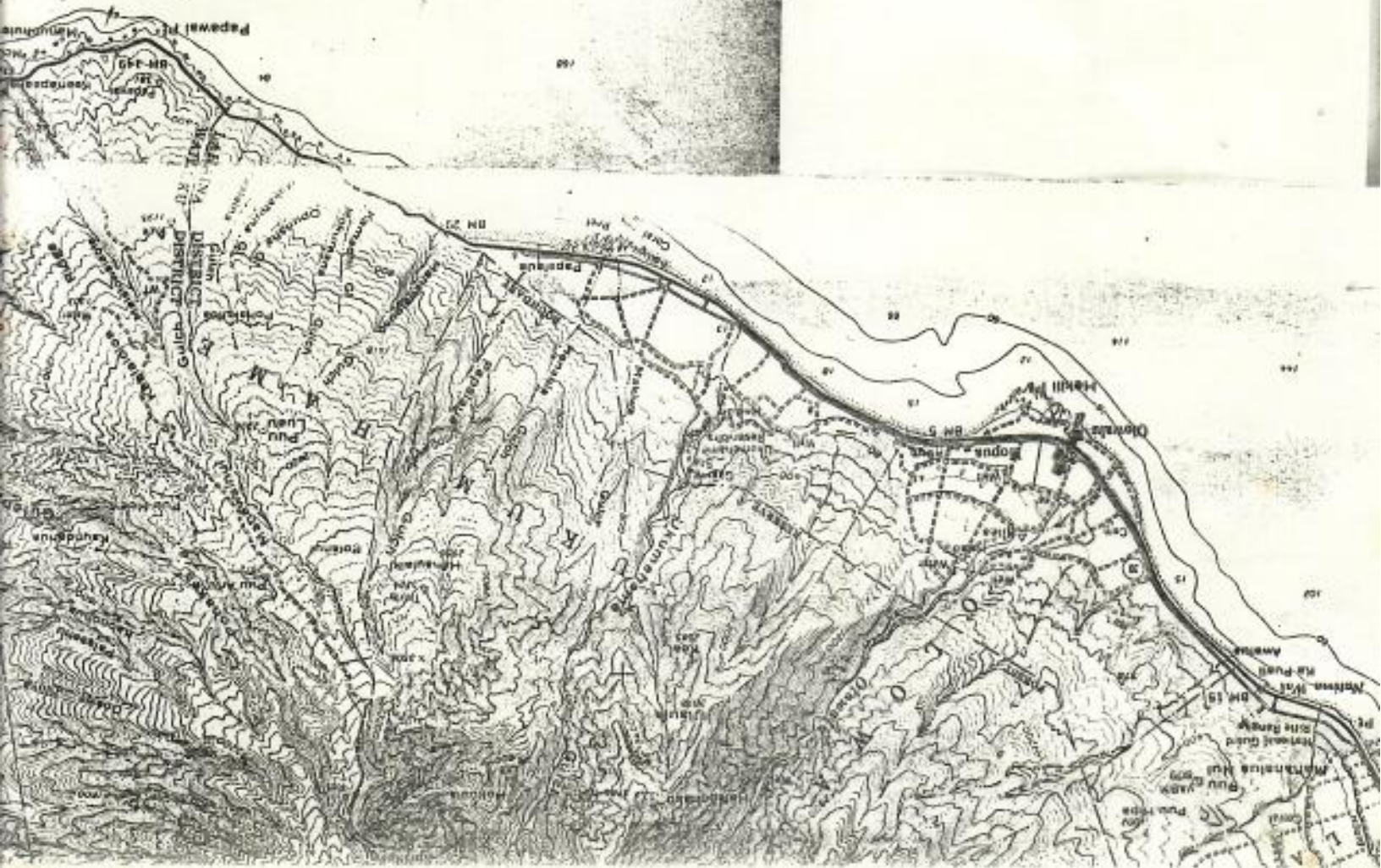
tail, shell color, tags, injuries, etc.): Believe it to be *Chelonia mydas agassizi*

(Information on turtle parts recovered from fish or sharks would also be greatly appreciated).

Other comments: (SE shore of camp)
Approx. 400 yards from shore, fishing out in alcove area of coral reef, watching
snappers above. When realized it was being watched, headed SE to deeper waters at first
swimming off slowly but gradually increasing speed & leaving me behind.

THANK YOU FOR YOUR COOPERATION

70-80' underwater visibility
Sunny, warm day; calm winds



SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Tom McIlwain

Address & Tel. No. (optional): 4312 ~~5~~ Bay N.W. Olympia Wa. 98502

Date: 11/12/81 Time: 0700 Location (indicate

on chart): olowalu Hawaii

Observation made from: shore;
 boat; or while skin SCUBA diving.

Estimated size (shell length): 1m

Turtle seen on: surface; or at depth of

approx. 4 ft. Distinguishing

characteristics (species I.D. if known, long

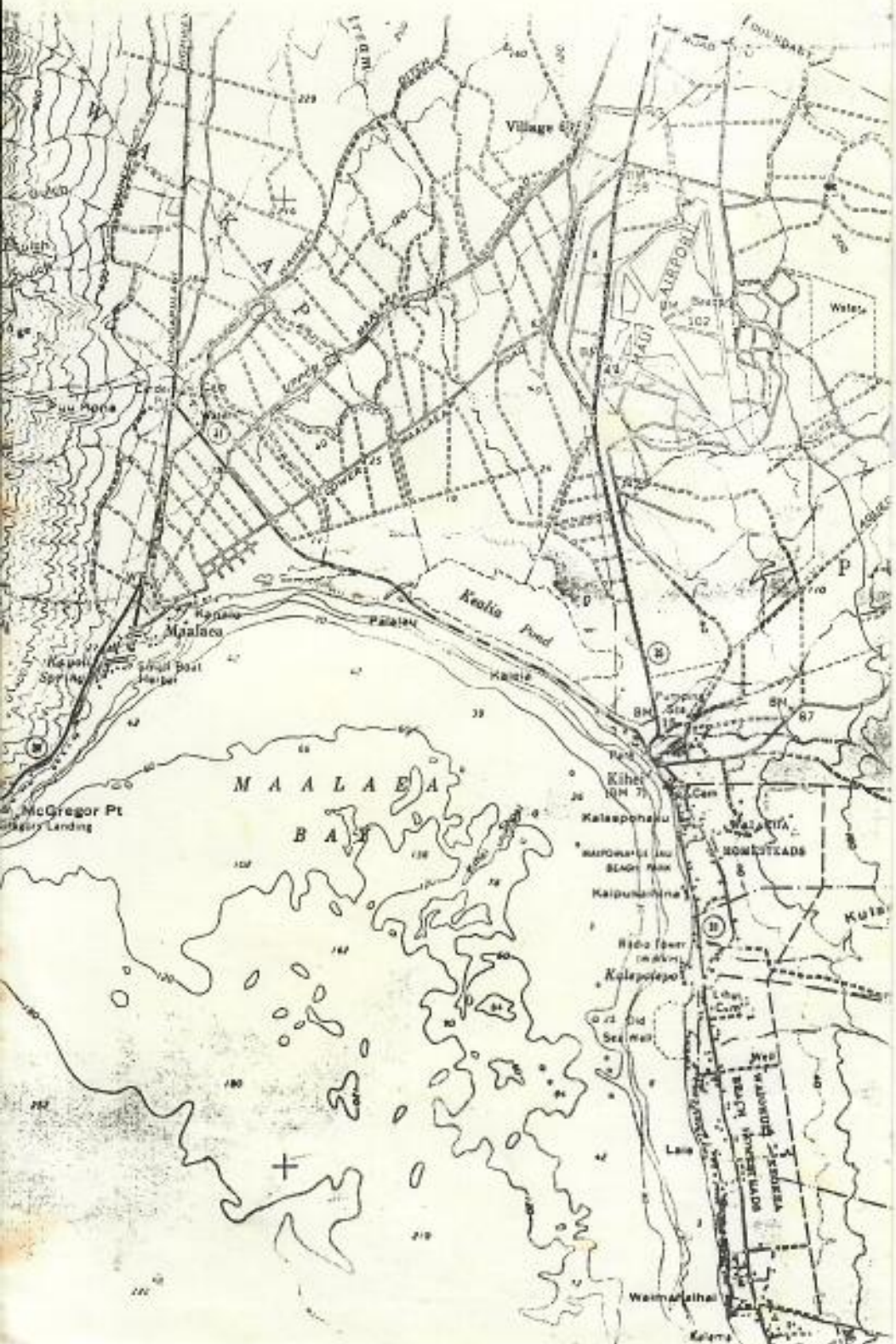
tail, shell color, tags, injuries, etc.): Greenturtle

(Information on turtle parts recovered from fish or sharks would also be greatly appreciated).

Other comments:

THANK YOU FOR YOUR COOPERATION





SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Anne B. Appleby

Address & Tel. No. (optional): 2406 Delphi Rd SW Olympia, Wa 98502

Date: 11/14/81 Time: 6:45 Location (indicate
on chart): _____

Observation made from: shore;
 boat; or while skin SCUBA diving.

Estimated size (shell length): ?

Turtle seen on: surface; or at depth of
approx. _____ ft. Distinguishing

characteristics (species I.D. if known, long
tail, shell color, tags, injuries, etc.):

(Information on turtle parts recovered from fish or sharks would also be greatly
appreciated). _____

Other comments: The ^(two) turtles were sighted through binoculars from the shore and
the only identifiable trait was that they periscope their heads for air every
1-3 mins and I was able to distinguish the shape of their heads as being that of
a turtle: spp. unknown.
Green sea turtle suspected.

THANK YOU FOR YOUR COOPERATION





SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Anne B. Appleby

Address & Tel. No. (optional): 2406 Delphi Rd SW, Olympia, WA 98502

Date: 11/14/81 Time: 14:00± Location (indicate

on chart): _____

Observation made from: _____ shore;

boat; or while skin _____ SCUBA diving.

Estimated size (shell length): ?

Turtle seen on: surface; or at depth of

approx. _____ ft. Distinguishing

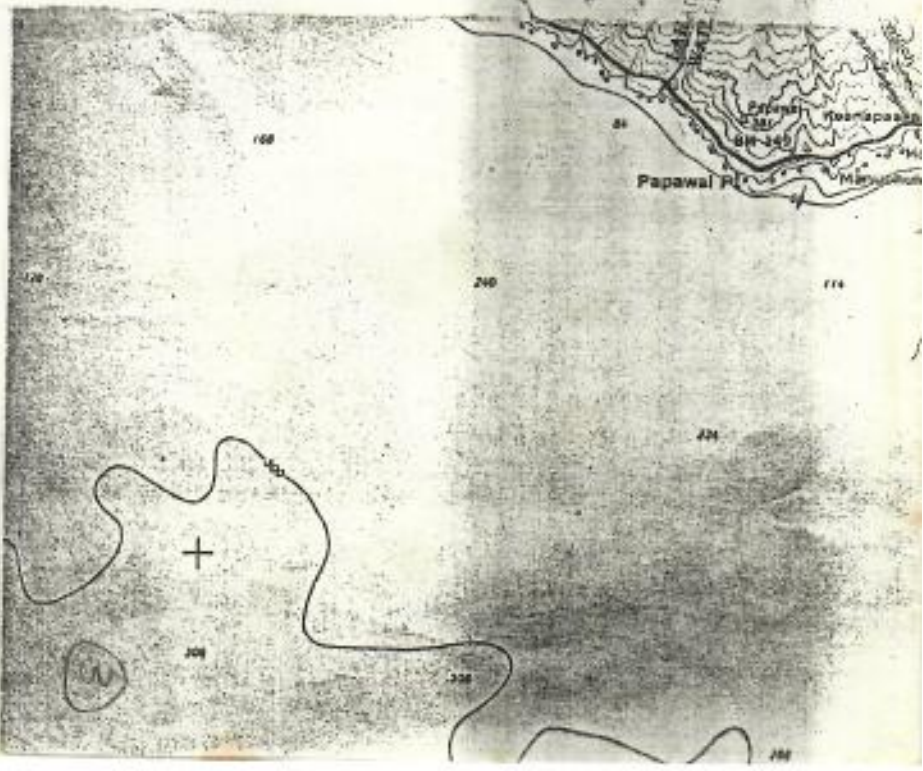
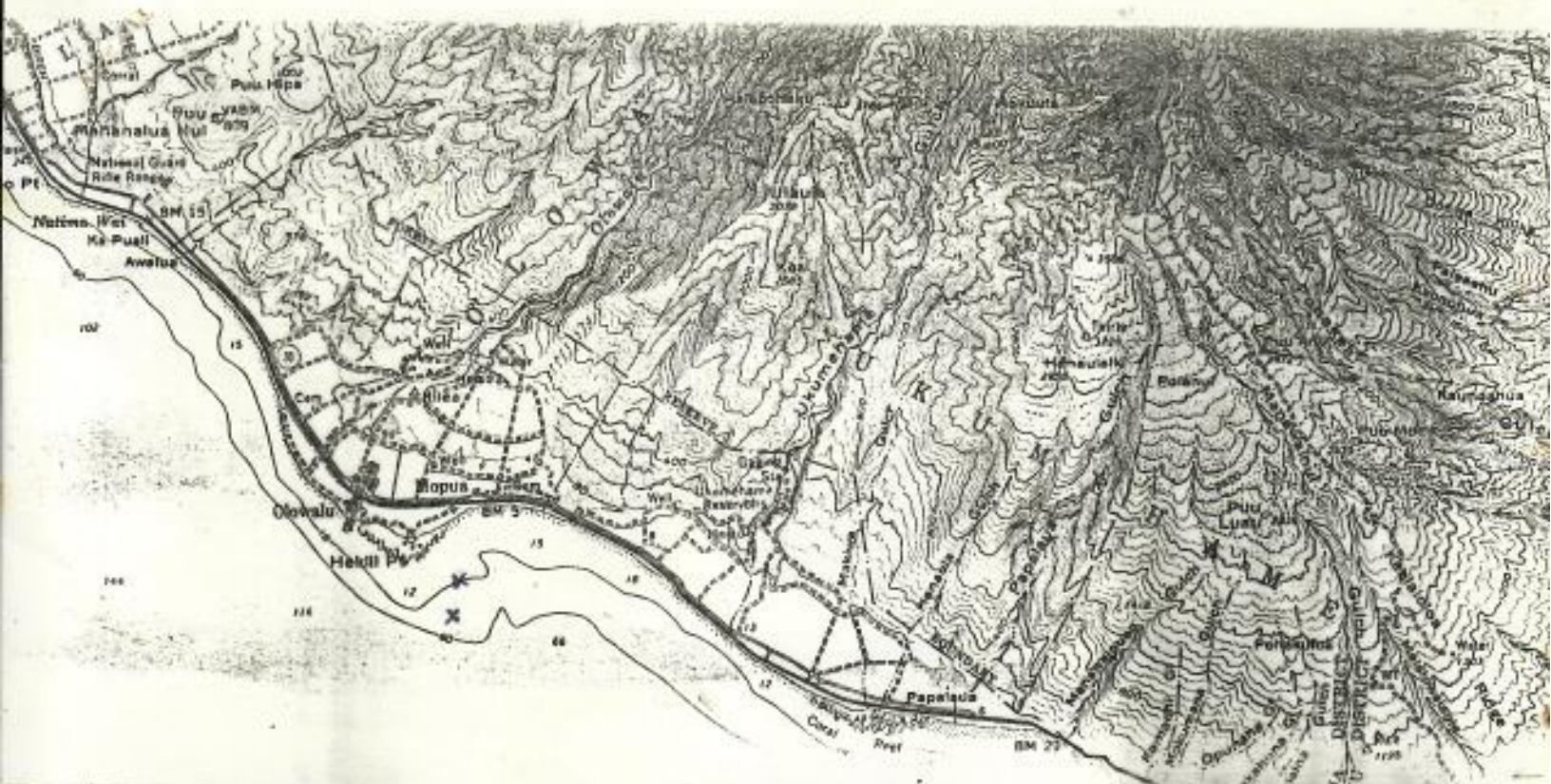
characteristics (species I.D. if known, long

tail, shell color, tags, injuries, etc.): Shell color brownish as seen at angle

(Information on turtle parts recovered from fish or sharks ^{from surface} would also be greatly appreciated). Carcass approx 14-18" across

Other comments: I saw two of these turtles floating on surface while I snorkled 250 yds away + also while sitting in an Atron (same distance). One was flapping one of its fore flippers in the air periodically. They both periscoped their heads every 1-1½ mins. out of the water. One was over 40' water and one over 25-30'.

THANK YOU FOR YOUR COOPERATION



SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Anne B. Appleby

Address & Tel. No. (optional): 2406 Delphi Rd SW, Olympia, Wa. 98502

Date: 12/7/81 Time: 12:30 Location (indicate

on chart): _____

Observation made from: shore;

boat; or while skin SCUBA diving.

Estimated size (shell length): 16"

Turtle seen on: surface; or at depth of

approx. _____ ft. Distinguishing

characteristics (species I.D. if known, long

tail, shell color, tags, injuries, etc.): Round brown shell visible from the

(Information on turtle parts recovered from fish or sharks would also be greatly appreciated). _____

surface

Other comments: The turtle periscopes several times (1-2 times per minute) and floated close to the surface in a rough surge area with some breakers. Several feet yds farther away.

THANK YOU FOR YOUR COOPERATION

SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Jim Hornwood

Address & Tel. No. (optional): _____

Date: 12/82 Time: _____ Location (indicate

on chart): Oahu

Observation made from: _____ shore;
_____ boat; or while skin _____ SCUBA diving.

Estimated size (shell length): _____

Turtle seen on: _____ surface; or at depth of 15 ft.

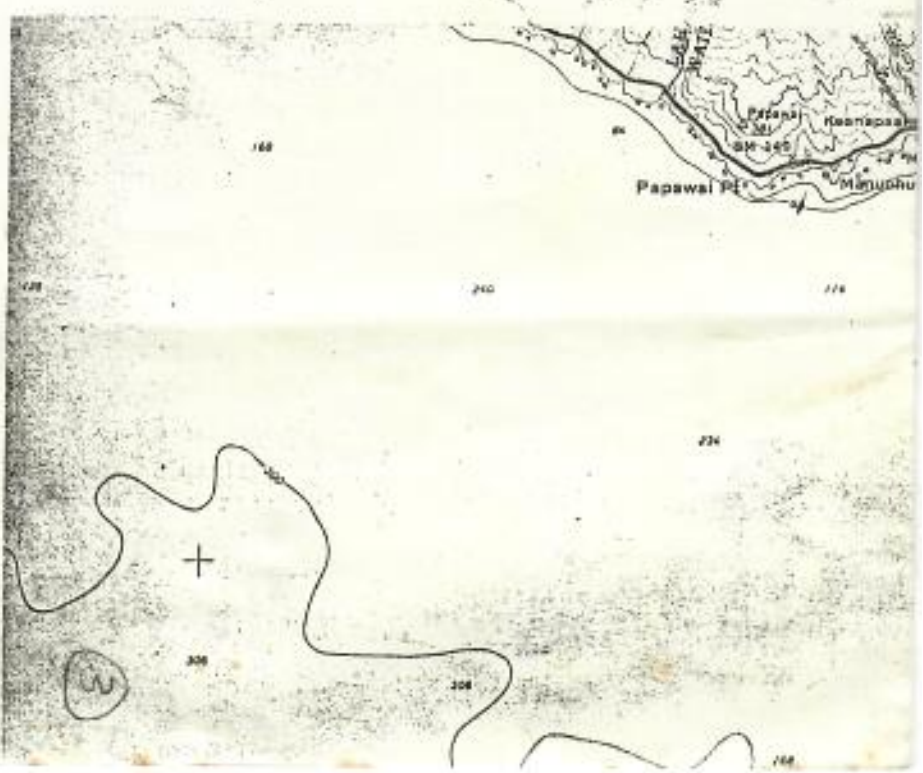
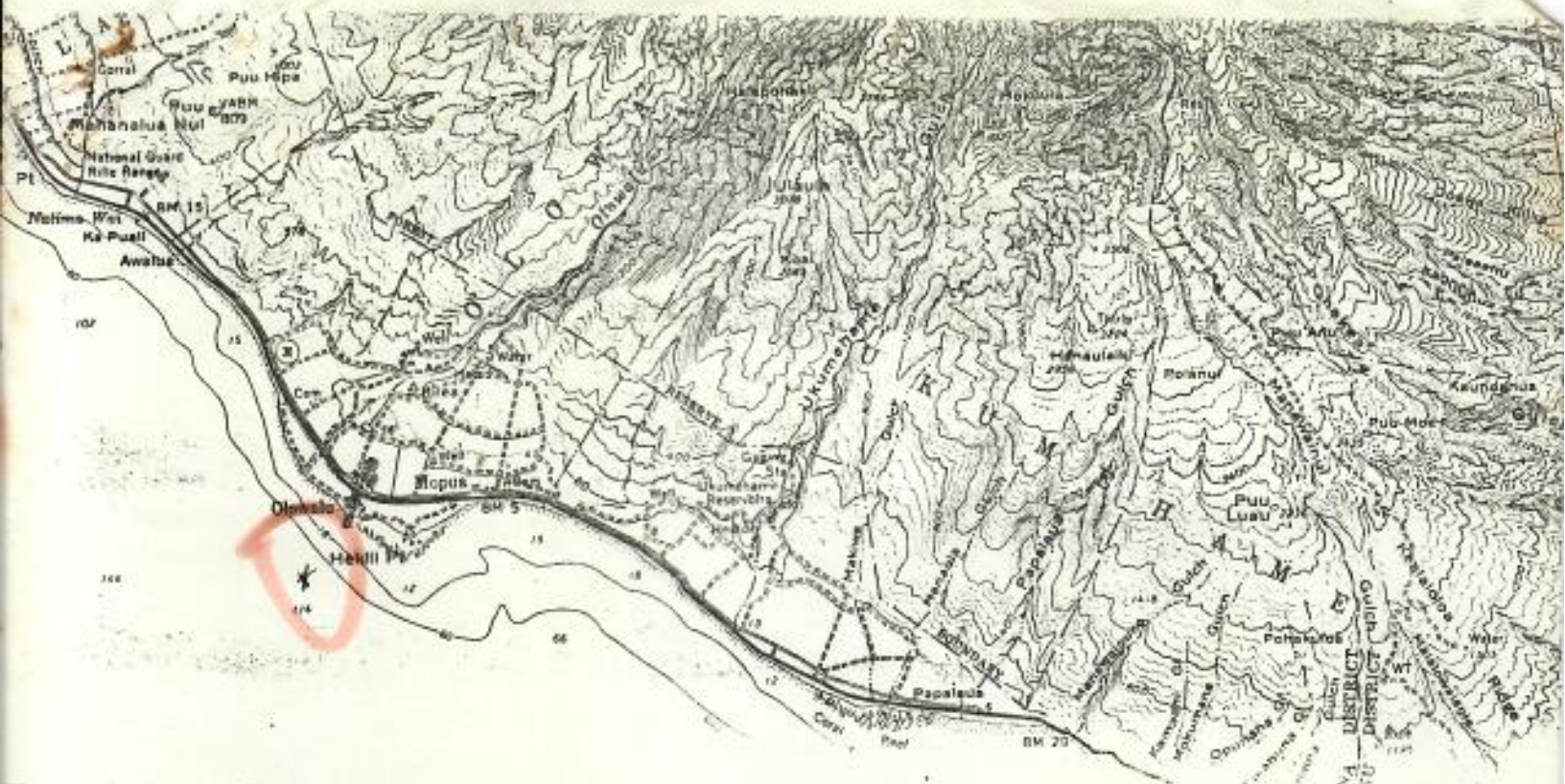
approx. 15 ft. Distinguishing

characteristics (species I.D. if known, long - not good enough view
no notice
tail, shell color, tags, injuries, etc.):

(Information on turtle parts recovered from fish or sharks would also be greatly appreciated). _____

Other comments: _____

THANK YOU FOR YOUR COOPERATION





SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balazs;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: Riede Wight

Address & Tel. No. (optional): 2418 Elliott Olympia WA 98502

Date: Nov. 12 Time: 0700 Location (indicate
on chart): _____

Observation made from: _____ shore;
_____ boat; or while skin _____ SCUBA diving.

Estimated size (shell length): 1 meter

Turtle seen on: _____ surface; or at depth of
approx. 4 ft. Distinguishing

characteristics (species I.D. if known, long
tail, shell color, tags, injuries, etc.):

(Information on turtle parts recovered from fish or sharks would also be greatly
appreciated).

Other comments: please help save this reef, it's so full
of life, and thanks for helping - keep up the good work!

THANK YOU FOR YOUR COOPERATION



SEA TURTLE SIGHTING REPORT

(Please return to: George H. Balass;
Hawaii Institute of Marine Biology;
P. O. Box 1346; Kaneohe, HI 96744;
Tel. 247-6631)

Observation made by: M. FROEDBERG AND B. KARTHENTHNER

Address & Tel. No. (optional): _____

Date: Nov. 25, 1961 Time: 4:45pm Location (indicate

on chart): Olouala reef, Maui, Hi.

Observation made from: ^{approx 100 yards off} _____ shore;

_____ boat; or while skin _____ SCUBA diving.

Estimated size (shell length): 2 ¹⁰/₁₆ feet

Turtle seen on: _____ surface; or at depth of

approx. 10-15 ft. Distinguishing Chelonia mydas agassizi

characteristics (species I.D. if known, long

tail, shell color, tags, injuries, etc.):

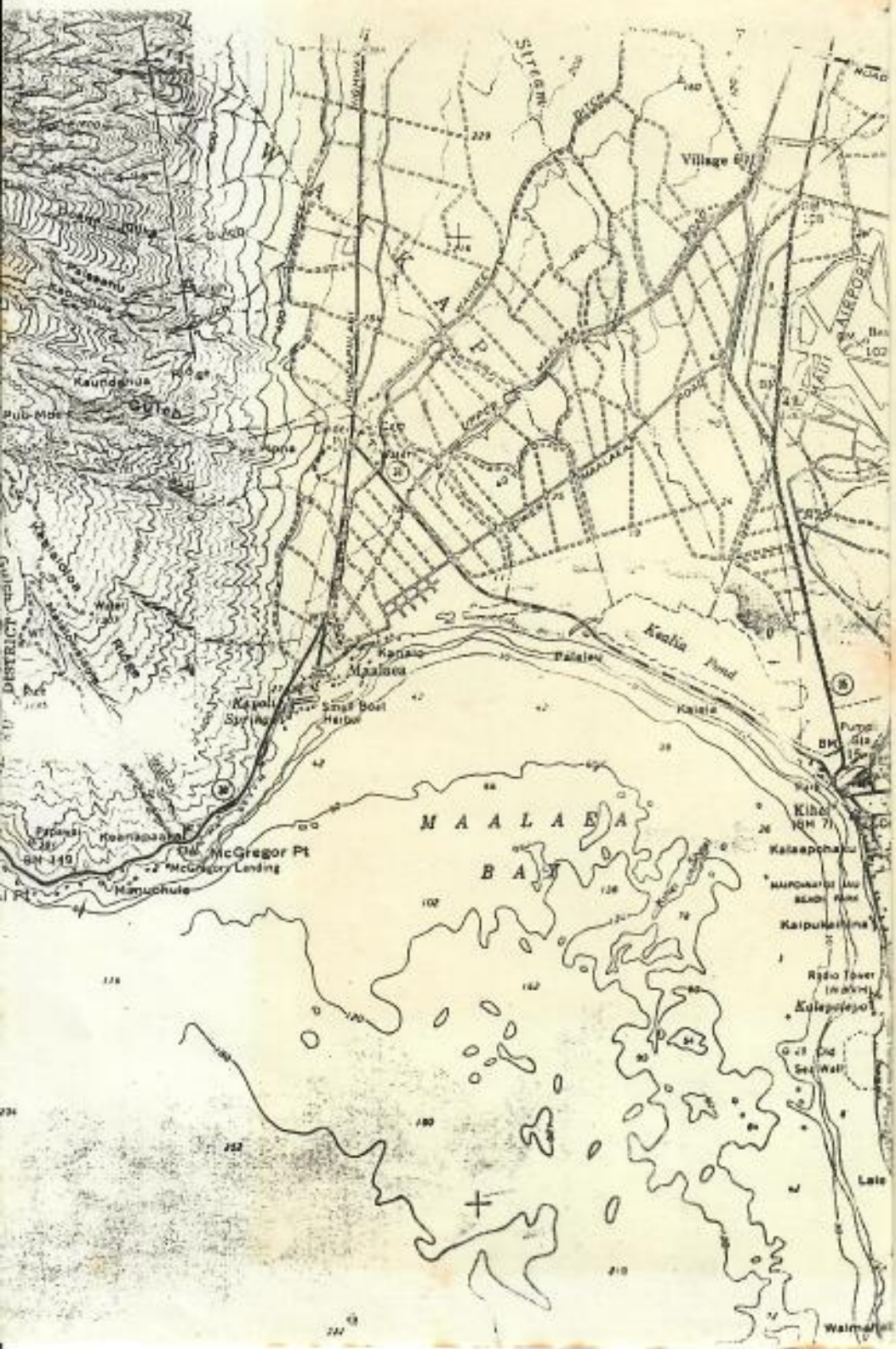
(Information on turtle parts recovered from fish or sharks would also be greatly appreciated). _____

paddle like form golden green
distinctive ^{black} pattern on shell - smooth edged
marked by a white cerata patch
in the very center of the shell

Other comments: The waters were pretty turbulent that day with fierce winds whipping out of the Olouala valley,

the surface was choppy but visibility remained ^(25-35 feet) surprisingly good. The turtle sighted was first seen heading under a coral/rock
ledge and seeing as it took off slowly at first but with increasing speed literally flew out of sight.

THANK YOU FOR YOUR COOPERATION



SIGHTING INFORMATION: TURTLE AND SEAL

Animal sighted (circle): TURTLE SEAL

Number of animals: 7 Type, if known: _____Date: 5-22-85 Observer: A. BotelhoAddress & phone 323 - MAKOA PL
Time: 2:15 HRS (optional) KaHi MAUI - phone 2449882Location: MAUI ELETRIC - KAHI MAUIObserved from(circle): (shore); boat(name: _____);

while skin or SCUBA diving(on surface or at _____ feet deep).

Estimated size(length): 3 or 4 FeetCOMMENTS:(color pattern; injuries; scar patterns; tumors;
flipper tags:present Y/N, tag color, and if readable tag number;
bleach marks(number/letter); behavior; and weather.

SIGHTING INFORMATION: TURTLE AND SEAL

Animal sighted (circle): TURTLE SEAL

Number of animals: 9 Type, if known: _____Date: 5-27-85 Observer: A. BotelhoAddress & phone 323 MAKOA PL
Time: _____ (optional) KaHi MAUI ph. 2449882Location: MAUI ELETRIC - KAHI MAUIObserved from(circle): (shore); boat(name: _____);

while skin or SCUBA diving(on surface or at _____ feet deep).

Estimated size(length): 3 to 4 FeetCOMMENTS:(color pattern; injuries; scar patterns; tumors;
flipper tags:present Y/N, tag color, and if readable tag number;
bleach marks(number/letter); behavior; and weather.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC & ATMOSPHERIC ADMIN.
NATIONAL MARINE FISHERIES SERVICE, F/SWC2
HONOLULU, HAWAII 96812

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



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HONOLULU, HAWAII 96812

SIGHTING INFORMATION: TURTLE AND SEAL

Animal sighted (circle): TURTLE SEAL

Number of animals: 10 Type, if known: _____

Date: 5-20-85 Observer: A. Botelho

Address & phone 323 Minkoa Pl
Time: 2000 hrs (optional) Kaunohiwi Maui

Location: Maui ELECTRIC-KAH. MAUI Ph. 8449882

Observed from(circle): shore boat(name: _____);

while skin or SCUBA diving(on surface or at _____ feet deep).

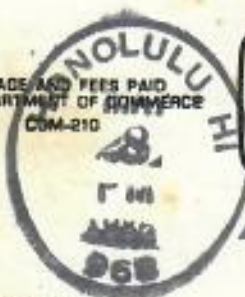
Estimated size(length): 3 Feet

COMMENTS:(color pattern; injuries; scar patterns; tumors;
flipper tags:present Y/N, tag color, and if readable tag num-
ber; bleach marks(number/letter); behavior; and weather.

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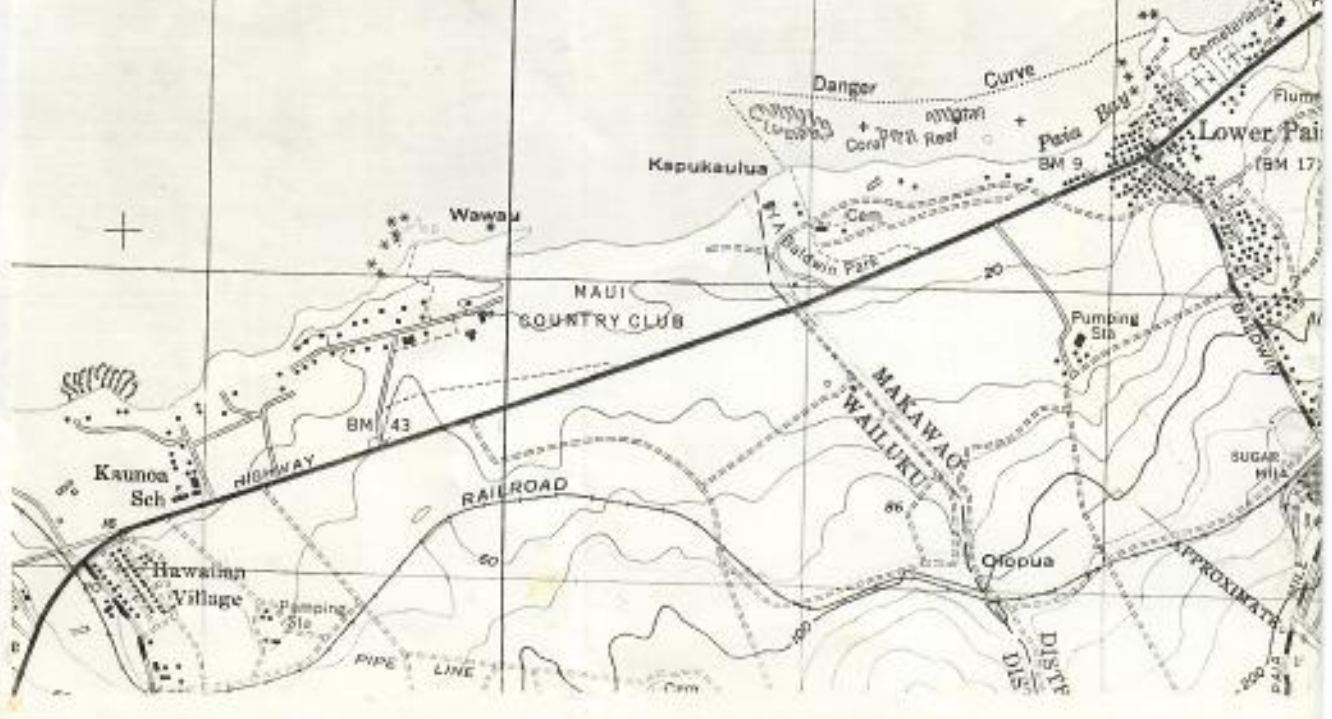
MAUI FICE

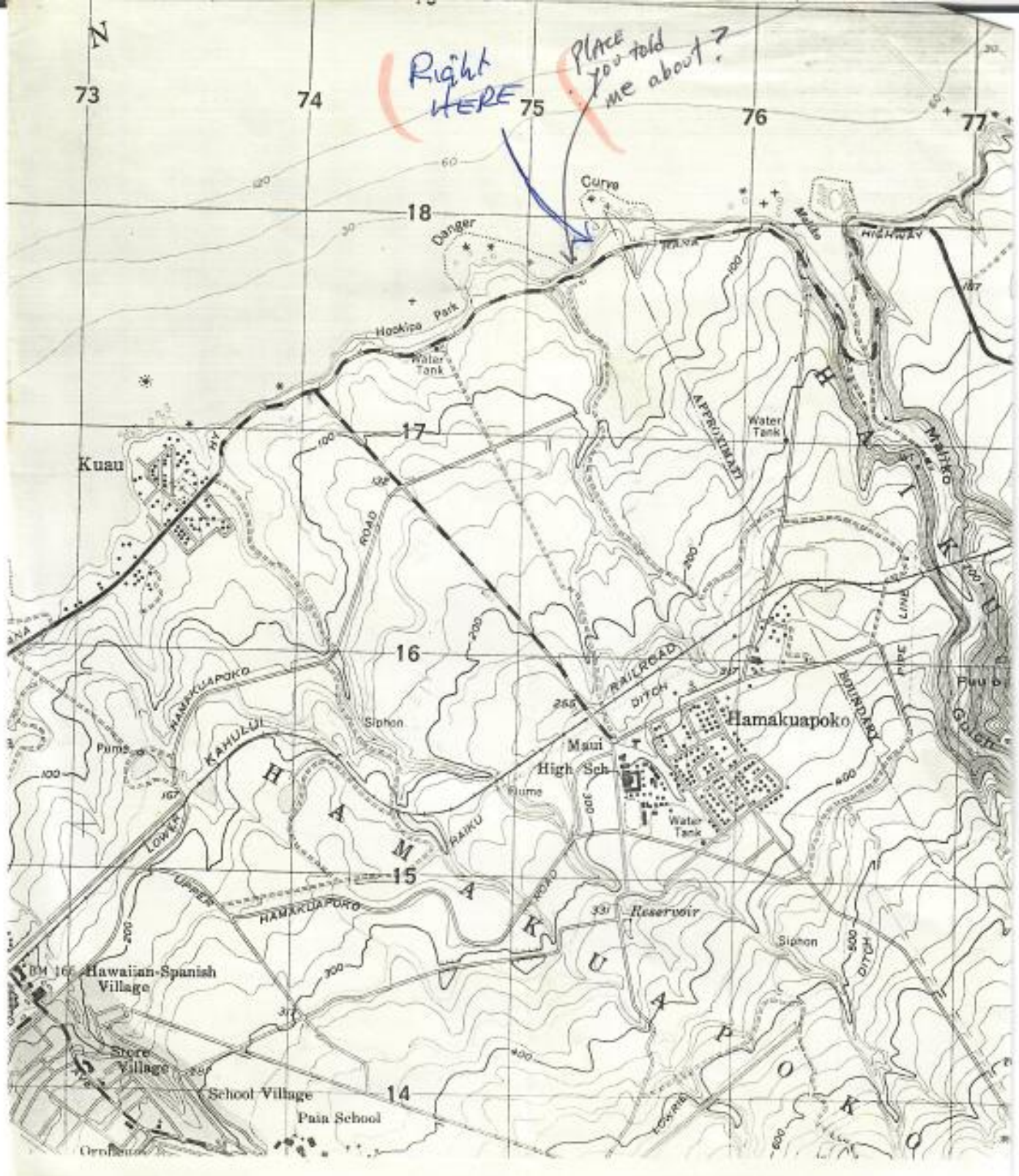
69 70 71 72 E

*Rene -
C Please mark and
return*

*from
Rene SYVA*

*7/29/85
EXACTLY
where he has
set turtle nets.*





Right
HERE

Place
you told
me about?

73

74

75

76

77

18

17

16

15

14

Kua'u

Hawaiian-Spanish
Village

Store
Village

School Village

Pain School

Curve

Danger

Honokapa Park

Water Tank

Water Tank

Hamakuaapoko

Maui High Sch

Reservoir

Siphon

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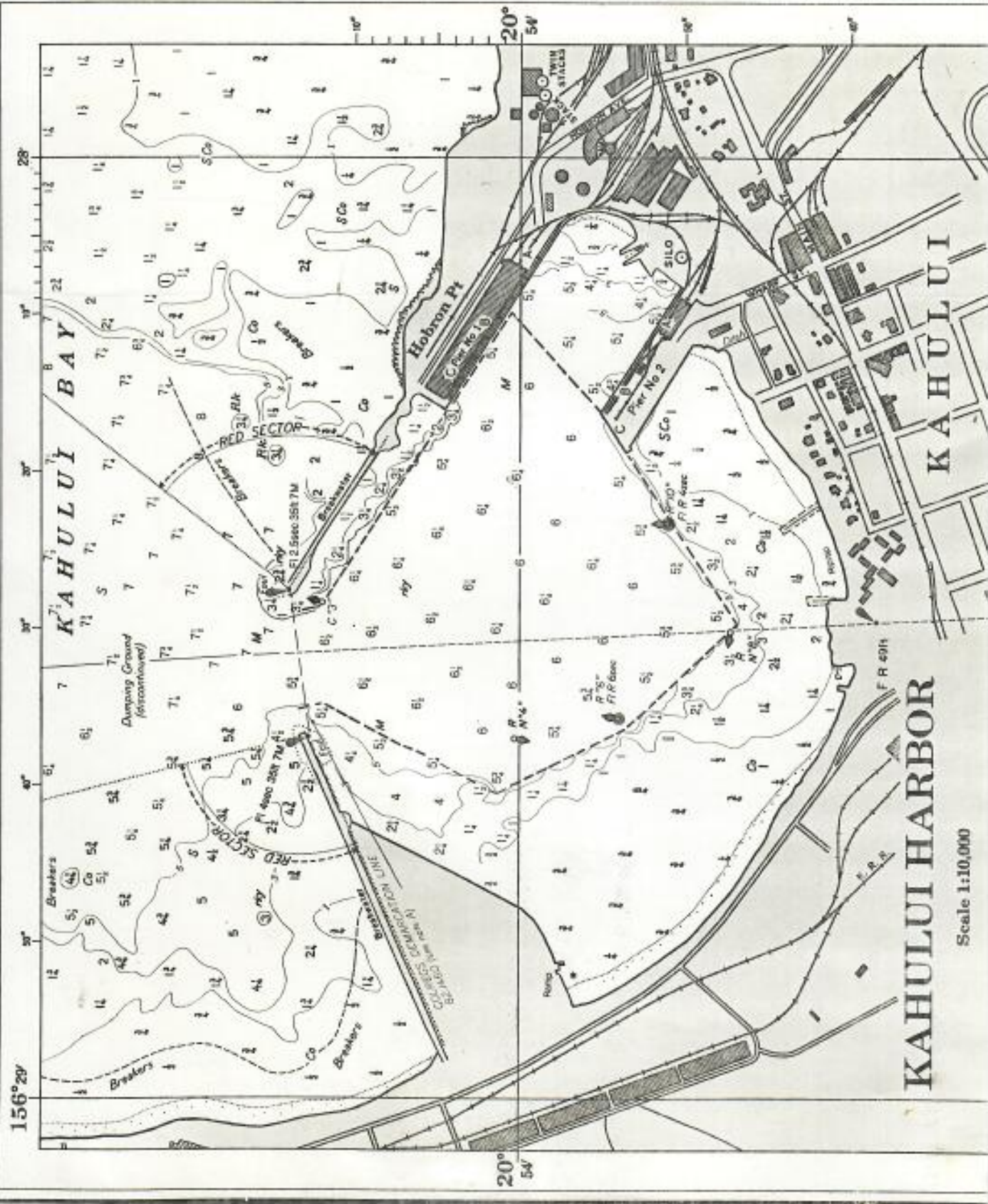
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Hawaiian-Spanish
Village

Store
Village

School Village

Pain School



KAHULUI HARBOR

Scale 1:10,000

2/17/84

ALOHA GENE:

ENCLOSED IS A CHART OF OUR "CRITTER" (TURTLE) OBSERVATIONS AS PROMISED. I HOPE THIS INFORMATION IS OF SOME HELP TO YOUR TURTLE EXPERT. "CRITTER" WATCHING BECAME QUITE AN OBSESSION FOR MANY OF US AT THE PIKAKE AND VICINITY.

FIRST, I SHOULD PROVIDE SOME BACKGROUND INFORMATION AND EXPLANATION OF THE NOTATIONS MADE ON THE CHART.

- OBSERVING TIME: SPAN OF TIME WHEN ONE OR MORE OF THE PRINCIPLE OBSERVERS WERE PRESENT (MYSELF, LANE REYNOLDS A-3, PIKAKE, OR MY WIFE BARBARA).
- NO. OF SIGHTINGS: EMERGENCES (HEADS, SIDE VIEWS, etc.).
- ESTIMATED NO. OF "CRITTERS": IF TWO HEADS SEEN SIMULTANEOUSLY = 2; IF ONE IN ONE DIRECTION AND ANOTHER A FEW SECONDS LATER 100 YDS, OR SO ^{APART} IN ANOTHER DIRECTION = 2; A SINGLE SIGHTING WOULD BE IF THERE WAS NO ~~THE~~ FOLLOW-UP BY THE SAME INDIVIDUAL.

- Weather + water conditions, etc. - SURF
 quiet = wave action nil; ^{or} wave action
 medium or high; surface - glassy,
 shiny, metallic; surface - pebbly =
 confusing bumps or ripples, - difficult
 for observation; ALSO RECORDED
 HIGH, MEDIUM OR LOW TIDE AS
 NOTED.

Incidental notes: LOCAL FISHERMEN
 SAY THAT THEY HAVE BEEN SEEING
 TURTLES REGULARLY AND ONE HEARSAY
 REPORT INDICATED THAT ONE TURTLE
 HAD BEEN DRAGGED ASHORE SOMEWHERE
 NEAR THE PAPAHEA OR MAUI SANDS
 ABOUT 3-4 WEEKS AGO.

- GENERAL OBSERVATIONS:

THE TURTLES APPEARED (ALMOST) EVERY
 MORNING ON SCHEDULE BETWEEN THE
 TIMES NOTED BUT NEVER SEEN ABOVE
 SURFACE, ON BEACH, OR ELSEWHERE, DURING
 THE DAY. THEY WERE NEVER SEEN
 (BY US) ARRIVING OR LEAVING. OCCASIONALLY
 we had SIDE VIEWS & THE "CRITTERS"
 APPEARED TO BE NO MORE THAN
 3'-4' IN LENGTH. THEY SEEMED TO

(over)

DISAPPEAR ABOUT THE TIME THE SUNLIGHT
HIT THE WATER. WITH EXPERIENCE,
WE OBSERVED THAT SOME HEADS WERE
OF DIFFERENT SIZES - - FROM ABOUT
THE SIZE OF A SOFT BALL TO AN
AVERAGE SALAD PLATE. THEY WERE
ALWAYS SEEN BETWEEN THE FIRST
FULL REEF (^{25 yds - 35 yds} 75-100') OFFSHORE & OUT
TO ^(600 feet) 200 YPS. OR MORE AT SEA AND
ONLY FROM IN FRONT OF THE
RECREATION PARK (TO OUR LEFT AT
THE PIKAKE) AND 2-3 CONDO
COMPLEXES NORTH OF US.

I BELIEVE LANE REYNOLDS &
OTHERS MAY STILL BE OBSERVING.

GIVE MY REGARDS TO FRED
BALL & BILL STREETER. HOPE
TO SEE YOU ALL NEXT YEAR.

ALOHA -

BUD HEACOX
227 San MIGUEL
WAY

SACRAMENTO, CA.

95819

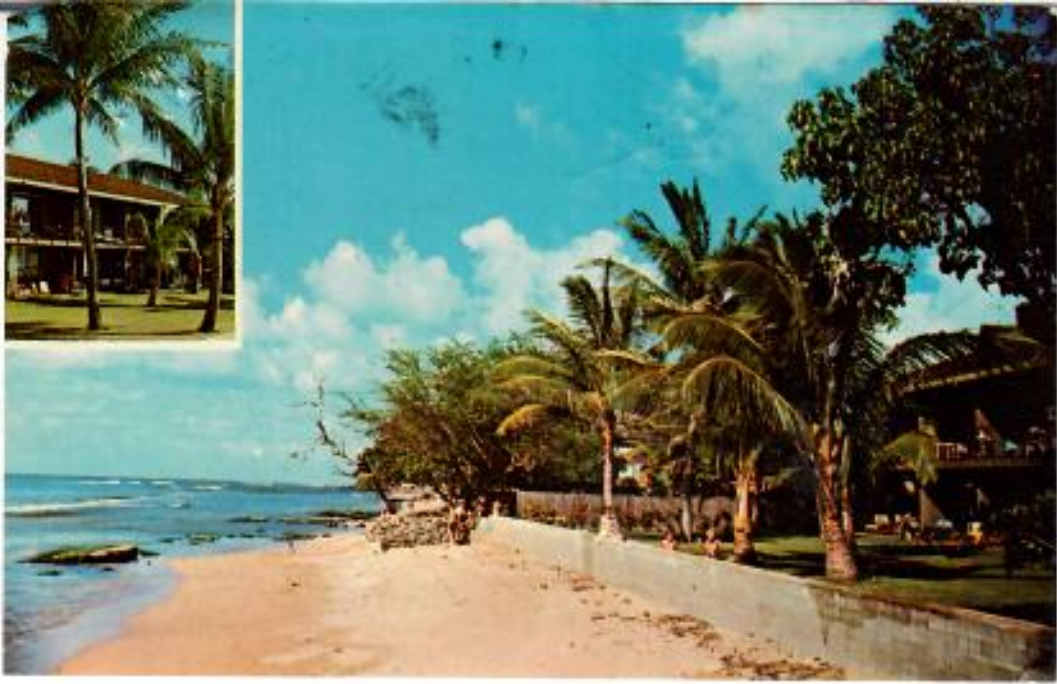
916-457-8845

info
sent
3-6-84

"CRITTER" (TURTLE) OBSERVATIONS
 PIKAKE APTS., HONOKOWAI, MAUI.
 JAN. 10, 1984 THRU FEB. 12, 1984

①

DATE	OBSERVATION TIMES	NO. OF SIGHTINGS	EST. NO. OF CRITTERS	WEATHER AND WATER CONDITIONS + GENERAL REMARKS
1/10	0630-0730	3-4	1+	WATER A LITTLE MURKY-CHOPPY SEAS FIRST SIGHTINGS OF UNKNOWN "CRITTERS"
1/11	0630-0740	3-4+	1+	UNKNOWN WATER-WEATHER EXCEPT SUNNY A.M. - CALLED FRED BALL
1/12	0630-0800	—	—	RAINY - FRED BALL HERE
1/13	0630-?	3 or more	2+	BILL STREETER HERE. OVERCAST.
1/14	0630-0800	3 to 4	3	OVERCAST + CLOUDY - GLASSY CALM SEA.
1/15	0630-0800	6-8	3+	SHOWERS A.M. - SEA GLASSY, CALM
1/16	0630-0800	3-4	1+	STREETER WITH ZODIAC 0830-0930 CALM, GLASSY SEA
1/17	0630-0730	FEW?	?	MOSTLY CLOUDY + OVERCAST A.M. HEAVY CLOUDBURST 0930 OR 10:00
1/18	0630-0800	several?	2+	scattered clouds
1/19	0645-0745	6-8	3+	clean & glassy surface
1/20	0630-0730	6-10	3+	ZODIAC - STREETER WITH AM? 0730-1000
1/21	0645-0730	4+	2	ZODIAC IN BEFORE DAYLIGHT A.M. HOT-CLEAR A.M. - WATER PEBBLY POOR VISIBILITY.
1/22	0630-0800	10-12	3 or 4+	Beautiful, clear, sunny, + GLASSY SURFACE GREAT VISIBILITY.
1/23	0630-0830	25-30	6-8 (OR MORE)	HOT, CALM A.M.
1/24	0630-0745	6-8	3+	SEA - HIGH TIDE, some waves (medium) + PARTIALLY "PEBBLY" SURFACE
1/25	0655-0715	6-8	2+	POOR SIGHTING CONDITIONS - "PEBBLY" SURFACE - BUT GENERALLY WARM + QUIET WATER A.M.
1/26	0700-0745	3-4	2+	POOR VISIBILITY ON SURFACE, "PEBBLY", LIGHT SHOWER A.M.
1/27	0700-0755	5	2+	"PEBBLY" SEA - MEDIUM TIDE
1/28	0645-0800	0	—	PARTLY GLASSY, GOOD VISIBILITY
1/29	0645-0745	0	—	RAIN SHOWERS NIGHT + EARLY A.M. WATER - NO EXPLANATION FOR NON-SIGHTINGS
1/30	0645-0800	3	1 or 2	GOOD SURFACE VISIBILITY - MOSTLY GLASSY
1/31	—	—	—	ANNIVERSARY #34 - WENT ON AKAMA VAN TOUR AROUND EAST MAUI
2/1	0645-0745	10-12	3+	glassy surface, calm, mid-tide
2/2	0645-0745	5-6	2+	SURFACE CHOPPY - "PEBBLY" - HEAVY WIND + RAIN DURING NIGHT
2/3	0645-0800	5	2+	HIGH TIDE, BIGGEST WAVES SINCE ARRIVAL. ROUGH SEAS, WIND, CLEAR SKYS



3/12/84

THE PIKAKE

P.O. Box 495

Lahaina, Maui, Hawaii 96761

Phone (808) 685-8088

One and two-bedroom furnished apartments, pool, ocean, on famed Kaanapali Beach at beautiful Hanalei. "Your home away from home" ... in a tropical paradise.



ALOHA - THANK YOU SO MUCH FOR YOUR RESPONSE TO THE TURTLE INFO. I SENT REGARDING TURTLE SIGHTINGS AT HONOKOWAI - MAUI - BUY NOW AT HOME

POS

MR. G. BALAZS
US DEPT. OF
COMMERCE
NOAA
P.O. BOX 3830
HONOLULU, HI.
96812

B. Hecox
227 San Miguel Way
Sacramento, CA 95819

Plastichrome
Polycolourprint
Boston, Mass. 02130

5/13/86

ALOHA GEORGE --

SORRY TO BE SO LATE WITH
MY TURTLE OBSERVATIONS (+
HALLEY'S COMET, TOO.)

- YOU WILL NOTE THE EXTREME
DIFFERENCE IN SIGHTINGS
BETWEEN THIS REPORT +
1984 + 1985. QUITE
FRANKLY I STILL BELIEVE
THE DIFFERENCE IS DUE
PRIMARILY TO POACHING
BY LOCAL PEOPLE (NOT
VISITORS, MALIAINAS, KAMAINAS)

IT SEEMS THAT AS SOON
AS I LEAVE THEY ARE
AWARE THAT NOBODY IS
WATCHING. IN LATE FEB.
OR MARCH FRIENDS WE
KNOW AT THE PIKAKE HAVE
SEEN LOCALS TAKE TURTLES
FROM THE HONOKOWAI
REEFS "EACH YEAR. UNFOR-
tunately they did not seem
to know what to do or
who to call. THIS HAS HAPPENED
IN 1985 + 1986. HOPE YOU
CAN GET MORE
(over)

95819
 Sacramento, CA
 227 San Miguel Way



PATROLS OUT THERE ALONG THE
 WEST & NORTHWEST MAUI
 COASTS. SOME OF THESE I
 FEEL ARE THE MORE RECENT
 TONGANS, etc. BUT VERY LIKELY
 INCLUDE THE PHILIPINOS &
 OTHERS, TOO. ALSO, LOCALS STILL
 SEEM TO BE ALLOWED TO USE
 THE THROW NETS & WORSE STILL
 THE BIG - WEIGHTED NETS TO
 SURROUND & ENCLOSE A WHOLE
 OPEN TIDE POOL AREA. LEGAL?
 EVEN IF SO IT SHOULD BE STOPPED.
 THE INSHORE TIDE POOL FISH ARE
 SERIOUSLY DEPLETED.
 OTHERWISE -
 ALOHA NUI LOA -
 BUD HEACOX

Fregata aedon
ATLANTIC PUFFINS NC-37-90
 ©1984 original design by Wendy Morgan
 CRANE CREEK GRAPHICS
 Box 517 • Wilson, Wyoming 83014

TURTLE WATCHING DATA
 FROM THE HONOKOWAI AREA - MAUI -
 THE PIKAKE APTS. Dec. 30, 1985 to FEB. 16, 1986
 (BURGESS (BUD) HEACOX 227 SAN MIGUEL WAY, SACTO., CA. 95819)

DATE	TIME PERIOD	NO. OF SIGHTINGS	EST. # OF TURTLES	COMMENTS - WEATHER - SURF & SEA CONDITIONS - etc.
12/30	0630-0900	0	0	
12/31	0615-0800	0	0	Windy -
1/1/86	0630-0800	0	0	WINDY AGAIN - U.C.L.A. 45! IOWA - 28
1/2	0645-0800	0?	0	MILD SURF - RAIN - OVERCAST (FIRST SIGHTING EVE. OF HALLEY'S COMET)
1/3	0645-0900	0?	0	CALM SEA - HALLEY'S seen from 1920 hrs. to 2000 hrs. (+)
1/4	0645-0745	0?	0	CALM SEA - COOL - HALLEY'S SEEN 1900 hrs to 2100 hrs.
1/5	0645-0800	0?	0	CALM SEA - FLAT - " "
1/6	0630-0800	0?	0	WINDY w/WHITE CAPS - " "
1/7	0630-0830	0?	0	RAIN ALL MONDAY NIGHT " "
1/8	0630-0800	0?	0	6:50 early a.m. " " lower in S.W. SKY each NIGHT
1/9	0630-0800	0?	0	SUNNY - clear " " "
1/10	0630-0745	0?	0	WARM - quiet - smooth sea " " "
1/11	0645-0800	0?	0	MILD SEA - " " "
1/12	0630-0800	0?	0	SURF Heavy - HIGH - " " "
1/13	0630-0800	0?	0	HI SURF HALLEY'S LOWER + DIMMER
1/14	0630-0830	0	0	HI SURF " "
1/15	0630-0800	0	0	CALM SEA " "
1/16	0630-0800	1	1	Smooth sea, quiet HALLEY'S DIM
1/17	0630-0800	2	1	Windy HALLEY'S DIM
1/18	0630-0745	0	0	Smooth sea - quiet HALLEY'S NOT SEEN - CLOUDY OVER LANAI
1/19	0630-0800	0	0	" " " " " "
1/20	0630-0800	3	1	" " " HALLEY'S VERY DIM + LOW
1/21	0630-0800	0	0	LIGHT SHOWERS - A.M. - WARM, quiet later HALLEY'S VERY DIM + LOW
1/22	0630-0745	0	0	" " " " " "

Southwest above Lanai + to the right + higher than Jupiter

TURTLE OBSERVATIONS CONT.
 HONOKOWAI, MAUI — PIKAKE APTS.
 (1-30-85 to 2-16-86)

(2)
 5/13/86

DATE	TIME PERIOD	NO. OF SIGHTINGS	EST. # OF TURTLES	COMMENTS - WEATHER - SEA CONDITIONS - etc.	(+ HALLEY'S COMET)
1/23/86	0630-0900	8	3(+)	smooth, CALM	CLOUDS OBSCURED "HALLEY'S AREA"
1/24/86	0630-0900	2	1	SURFACE - POOR VIEWING	" "
1/25	0630-0800	6(+)	2(+)	OVERCAST - Heavy cloud cover P.M.	" "
1/26	0630-0800	0	0	SEA smooth - BUT LARGE WAVES	" "
1/27	0630-0830	0	0	SEA smooth WAVES CRASHING " "	HALLEY'S KAPUP
1/28	0630-0800	3	1(+)	Strong wave action	
1/29	0630-0800	3	1(+)	cloudy + windg ALL AFTN	
1/30	0630-0800	4	2(+)	FAIRLY CALM sea	
1/31	0630-0800	0	0	" " "	36th. Wedding ANNIV.
2/1	0630-0800	2	1	RAIN start about 0530 - POOR VISIBILITY most A.M.	
2/2	0630-0800	3	2(+)	smooth sea	
2/3	0645-0830	3	2(+)	" "	
2/4	0630-0800	0	0	choppy sea strong winds about 1230 hrs. RAIN OFF + on to 1530 hrs.	
2/5	0630-0800	0	0	sea surface bouncy - pebbly (stippled)	
2/6	0630-0800	7-8	3(+)	" "	" "
2/7	0630-0800	4-5	2(+)	GOOD sighting conditions ALTHOUGH STILL A PEBBLY SURFACE	
2/8	0630-0806	1	1	sea calm but "PEBBLY" (STIPPLED) SURFACE	
2/9	0630-0800	1	1	sea smooth - "metallic" SURFACE	
2/10	0630-0800	3	2	" "	
2/11	0630-0800	1	1	cloudy - cloudy, breezy P.M.	
2/12	0630-0745	0	0	SEA rough + HIGH - RAIN squall + string winds A.M. - WINDY - CLEAR P.M.	
2/13	0630-0800	0	0	HIGH TIDE - WAVES some of LARGEST I have ever seen here at the PIKAKE	
2/14	0630-0800	0	0	waves still large - sea rough	
2/15	0630-0830	0	0	" " " "	
2/16	0630	0	0	RAIN LAST NIGHT - WINDY TODAY AS WE LEFT FOR	

5/9/85

ALOHA — GEORGE — ^{OR} KEOKI AS THE HAWAIIANS SAY
BETTER LATE THAN NEVER.

ENCLOSED IS A COPY OF MY "FINDINGS"
RE. TURTLE OBSERVATIONS OFFSHORE OF
THE HONOKOWAI AREA, MAUI, (PIKAKE APTS.),
3701 LOWER HONOAPILANI RD.) DURING
OUR LAST STAY IN PARADISE. HOPE
THIS HELPS IN YOUR STUDY. IF I
REALIZED WHAT WAS GOING ON I
WOULD HAVE MADE MORE POSITIVE
OBSERVATIONS. IF YOU WISH, I WILL
BE GLAD TO KEEP RECORDS NEXT YEAR.
LET ME KNOW WHAT I MIGHT DO TO
MAKE THE OBSERVATIONS MORE COMPLETE
AND HELPFUL.

THIS YEAR I DID NOT NOTE THE
NUMBER OF SIGHTINGS (HEADS, ETC.)
VERSUS ESTIMATED NUMBER OF TURTLES
BUT I JUST ESTIMATED POSSIBLE
TOTAL NUMBER OF INDIVIDUALS.

PERHAPS I SHOULD MENTION THAT
I AM NOT A TRUE LAYMAN IN
THESE MATTERS. MY BACKGROUND

INCLUDES:

Pomona College GRAD. - BOTANY - BIOLOGY
 (26 YRS.) CALIF. STATE DEPT. PARKS & REC. - RANGER, &
 NATURALIST & CHIEF NATURALIST &
 SUPV. OF NAT. HIST. INTERPRETATION
 CAL TECH, PASADENA, SUGAR BEET RESEARCH
 U.S. FOREST SERVICE, EXPERIMENTAL FOREST
 SAN DIMAS, CA.

L.A. COUNTY DEPT FORESTER & FIRE
 WARDEN - EROSION CONTROL
 & PLANT NURSERY

U.S.D.A. - BLISTER RUST CONTROL

AUDUBON SOC. - MANY YRS. - NOT NOW

————— TO NAME A FEW —————

ALTHOUGH RETIRED, I AM A VOLUNTEER
 AT THE SACRAMENTO MED. FLD. BLOOD
 CENTER, A LOCAL LIBRARY BRANCH
 & SUTTER MEMORIAL HOSPITAL (OUT-
 PATIENT SURGERY).

SO - DON'T HESITATE TO ASK ME FOR
 ADDITIONAL INFO, IF YOU WILL FIND
 IT USEFUL NEXT YEAR.

BEST WISHES WITH YOUR STUDY
 OFF HONOKOWAI, ALOHA - -

Bud Heacock

BUD HEADX | TURTLE OBSERVATIONS - MAUI - HAWAII → HONOKOWAI AREA
 PIKAKE - APTS - 3701 LOWER HONOKOWAI AHI 15/5/85
 LATE DEC. THRU FEB. 7, 1985

DATE	TIME	NO. TURTLES	WEATHER - SURF - & OTHER REMARKS
DEC. 30	JUST ARRIVED		D - WHALES SEEN - BUT TOO LATE FOR TURTLE OBSERVATIONS IN AM.
DEC. 31 1984	STILL	1100	SOON - NO RECORD YET - NONE SEEN THIS A.M.
JAN. 1 1985	0630 - 0800	5-6	ROSE PARADE & BOWL GAMES - GREAT!
JAN. 2 1985	0630 - 0800	several	wandering tattlers - sandelings -
JAN. 3 1985	0630 - 0800	4-6	water - choppy - a little murky, cloudy - sprinkle late P.M.
JAN. 4 1985	0630 - 0800	5-6	clear & sunny A.M.
JAN. 5	0630 - 0800	4-6	WATER ROUGH - STORMY
JAN. 6	no turtles		STORMY - VERY - WAVES CAME OVER SEAWALL
JAN. 7	0630 - 0800	6-8	SEA GLASSY - SAW OCTOPUS IN TIDE POOLS
JAN. 8	0630 - 0900	10-12	SEA GLASSY - CALM - WATER A LITTLE MURKY
JAN. 9	0630 - 0800	4-6	HI WATER A.M. + CLOUDS + OVERCAST, TOO,
JAN. 10	0630 - 0800	5-6	PEBBLY SURF - CHOPPY SEA LATER
JAN. 11	0630 - 0730	0	STORMY SURF - OVERCAST - CLOUDY - WINDY SHOWERS A.M. + RAIN ALL DAY TO 1630 HOURS
JAN. 12	0630 - 0800	4-6	SURF QUIETING DOWN - MOSTLY SUNNY
JAN. 13	0630 - 0830	3-4	WINDY & STORMY SEA - AFTERNOON
JAN. 14	0630 - 0800	0	VERY WINDY ALL NIGHT RAIN STARTED EARLY A.M. - STORMY SEAS
JAN. 15	0630 - 0730	0	SEA ROUGH - STORMY
JAN. 16	0630 - 0800	0	STILL CHOPPY SURF
JAN. 17	0630 - 0830	3-4	SURF CALMING DOWN
JAN. 18	0630 - 0800	0	SURF CHOPPY + "PEBBLY" SURFACE ↑ DIFFICULT TO DISTINGUISH OBJECTS
JAN. 19	0630 - 0830	0	
JAN. 20	0630 - 0800	4-6	SUPER BOWL XIX - THE 49ers AGAIN!
JAN. 21	0630 - 0800	3-4	
JAN. 22	0630 - 0730	4-5	OVERCAST - CLOUDY DRIZZLE LATE A.M. TO EARLY P.M.

TURTLE OBSERVATIONS OFFSHORE OF THE
 HONOKOWAI AREA (PIKAKE APTS.) MAUI
 (3701 Lower Honopuani Rd.) (CONT. 5/9/85) (2)

DATE	TIME	# OF TURTLES	REMARKS - WEATHER, SURF, ETC.
Jan. 23	0630-0800	3-4	SMOOTH SEA - NEAR HI TIDE A.M.
24	0630-0830	5-6	sea calm - HI TIDE A.M. - HOT, SUNNY MOST OF DAY
25	0630-0800	4-6	Sea calm
26	0630-0730	3-4	
27	0630-0800	4-6	
28	0630-0800	6-8	sea calm - clear, sunny
29	0630-0830	2-3	WATER A LITTLE CHOPPY - WINDY + CLOUDY RAIN
30	0630-0800	2-3	CLOUDY - COOL SEA GETTING ROUGH - WINDY, ABOUT 1" RAIN NIGHT OF 1/20-1/30 WILD - CHILLY ALL AFT.
31	0630-0830	3-4	35 th ANNIVERSARY!
* FEB. 1	0630-0800	0 A.M.	CHILLY A.M. (59° AT 0800) → HOWEVER ABOUT 5:00 P.M. SAW TWO (OR MORE?) TURTLES WRESTLING? PLAYING? MATING? ON SURFACE - FLIPPERS SHOWING - FLIPPERS, HEADS, BACKS ALL SHOWING AND
2	0630-0830	1-2	COOL, CLOUDY, WINDY
* 3	0630-0800	3-4	SAW ONE CREATING QUITE A COMMOTION + LARGE TURTLE AT NOON. STAYED IN ONE LOCATION TOGETHER.
4	0630-0730	0	SURF CHOPPY - WINDY ← OVERCAST, CLOUDY, HUMID MOST OF DAY
5	0630-0830	2-3	Sea smooth - MISTY, OVERCAST A.M., LATER MOSTLY SUNNY BUT HUMID P.M.
6	0630-0800	0	WATER SOMEWHAT CHOPPY
7	LEFT FOR OAHU - THE NEW OTANI TO FEB. 12		

* FEB. 1 + 3 - FIRST TIME WE HAVE EVER POSITIVELY IDENTIFIED TURTLES PAST ABOUT 9:00 - 9:30 A.M.

BURGESS (BUD) HEACOX
 227 SAN MIGUEL WY,
 SACRAMENTO, CA.

95819
 ph. (916) 457-8845

AHN: GEORGE
BALAZS

8/5/85

ALOHA — —



HOPE THE TURTLE STUDIES
ARE GOING WELL.

HOWEVER, I HAVE A RECENT
LETTER FROM FRIENDS IN MICHIGAN
WHO WERE AT THE PIKAKE
APTS. THRU MARCH, SOMETIME
SHORTLY AFTER WE LEFT, PRO-
BABLY LATE FEB. OR EARLY
MARCH, MARIE LAWRENCE
OBSERVED THE FOLLOWING &

I QUOTE: "YOU'LL BE
INTERESTED, BUT SAD, TO HEAR
ABOUT THIS — (I.E. TURTLES).
AFTER YOU LEFT PIKAKE,
(EARLY FEB - SIC.) EARLY ONE
MORNING I heard some
laughing & shouting so got
out of bed & looked out
the patio (lanai - sic.) door to
see a motor boat with
4-5 Hawaiians, just
hauling a turtle into the
boat, I heard the excited
(over)

Hono Kona
Olea, Maui

We do not see 1/2 the tide pool
life in front of the Honokowai
area we saw just 4-5 yrs. ago.

laugh ("they make 600P.
eating") + the boat sped
off -- with the poor
doomed turtle aboard. "

- We have noted over the many
years since 1975 (not including
the W.W.II submarine service
of mine in + out of Pearl
& points. west.) that the
GREATEST ROBBERS of tide-
pool & marine life are not-
malahinis & kamaainas --
but locals -- unfortunately
many of the so-called
"locals" may be fairly recent
arrivals from TONGA &
the Phillipine Islands.
This is a very sad situation.
(I never let a "local" know
if I have seen an octopus).
It would seem there needs to
be three things happen

ASAP.

① GREATER SURVEILLANCE
BY LAW ENFORCEMENT,

8/5/85 (2)



(2) STRONGER & MORE HARSH FINES BY JUDGES FOR INFRACTIONS.

— BUT PROBABLY EVEN MORE IMPORTANT —

(3) EDUCATION OF "LOCALS" & RESIDENT KAMAAINAS AS TO THE TOTAL PROBLEM(S) — NOT JUST TURTLES — BUT THE RAPE OF ALGAE, FISHING WITH THROW NETS (WHICH SHOULD BE TOTALLY ILLEGAL). LINE ~~FISHING~~ FISHING ~~WILL~~ WILL NEVER DEPLEAT THE FISHING RESOURCE.

(4) GETTING MORE OBSERVERS OF INFRACTIONS (ESPECIALLY TURTLES — BUT OTHER MARINE RESOURCE DEPLETIONS ALSO) TO RECORD LICENSE NUMBERS OF BOATS, CARS, ETC. & DESCRIPTION OF PERSON(S) INVOLVED, DATE, TIME, ETC.

(over)

THIS HELPS ME LET OFF
STEAM BUT I HOPE IT
WILL, IN SOME SMALL
WAY, CONTRIBUTE TO
OVERCOMING THE MANY
MARINE MARINE RESOURCE
PROBLEMS IN "PARADISE".

BEST WISHES WITH THE
STUDIES

ALOHA

Bud Heacox

B. Heacox
227 San Miguel Way
Sacramento, CA 95819

P.S. STARTED A NEW ADDITIONAL
VOLUNTEER ACTIVITY (IN ADDITION TO
THE BLOOD CTR. + LOCAL LIBRARY) AS
ATTENDANT IN SURGERY at SUTTER
MEM. HOSPITAL.

2/25/87



ALOHA --- GEORGE ---

WE HAVE BEEN ENJOYING YOUR BOOKLET RE. SEALS + MARINE BIRDS FOR MANY YEARS (COURTESY THE LAHAINA BRANCH LIBRARY) BUT DIDN'T NOTICE WHO THE AUTHOR WAS BEFORE THIS YEAR. ALSO, SAW YOUR NAME IN THE PAPERS 2-3 TIMES DURING OUR 13th SOJOURN TO THE ISLANDS SINCE 1975 (NOT INCLUDING MY TIME IN + OUT OF THE SUBMARINE BASE, PEARL HARBOR, 1943-45).

--- NOT MUCH TO REPORT ON THE TURTLES THIS YEAR --- MY ONLY POSITIVE SIGHTINGS WERE TWO OR THREE MORNINGS, HOWEVER, AS YOU KNOW, THE WEATHER WASN'T VERY HOSPITABLE THIS YEAR. THERE WAS A HEAVY OUTBREAK OF A "HAIRY" RED ALGAE + I FOUND THIS SPECIES FESTOONED ON THE ROCK OUTCROPPINGS + FLOATING EN MASSE EVERYWHERE ALONG THE HONOKOWAI AREA. ONE THING WE NOTED ALMOST EVERY A.M. WITH HI TIDES WAS THE APPEARANCE OF FINS/FEET? JUST ON MAKAI SIDE OF OUR FIRST REEF. WERE THRASHING AROUND + ALWAYS SEEN IN SAME AREAS --- TURTLES REAR FEET OR FISH --- LARGE FORKED/SEMI-FORKED PROTUBERANCES, (SKETCH TO FOLLOW)

2/25/87



MUCH THRASHING & MOVEMENT AS EACH SWELL/WAVE MOVED OVER THE REEF - HI TIDE PERIODS ONLY.

- REGARDLESS OF THE RATHER POOR GENERAL WEATHER, "VOG" DAYS, & THE EARTHQUAKE & POWER FAILURE FOR 2-3 hrs. ONE EVENING - EVERYTHING WENT FINE. GOT IN SOME SHARKLING & OF COURSE, SOME BODY SURFING AT Heming's Beach (GETTING A LITTLE TOO OLD FOR SURFBOARDS.)

- BEST WISHES WITH YOUR TURTLE STUDIES & THE EFFORT TO OVERCOME THE TUMOR PROBLEMS.

- PAKA (BUD) HEACOX
227 SAN MIGUEL WAY
SACRAMENTO, CA. 95819

B. Heacox
227 San Miguel Way
Sacramento, CA 95819

P.S. WE WERE AT THE PIKAKE - HONOIKUWAI DISTRICT, MAUI - DEC. 28 TO FEB. 21.

P.P.S. Plan to RETURN TO THE PIKAKE DEC. 29 (BEING WILLING & THE CRICK DON'T RUN DRY!)

SIGHTING INFORMATION: TURTLE AND SEAL

Animal sighted (circle): TURTLE SEALNumber of animals: 6 to 30 Type, if known: Green / Hawks
RillDate: Daily Nov 1/18/87 Observer: TIM HARDRUP
Operation ManagerTime: Daily (optional) 700 FRONT STREET
LANAI HAWAIILocation: North of Summer House, LanaiObserved from(circle): shore; (boat{name: Sea Smoke});while skin or SCUBA diving (on surface or at 25-30 feet deep).Estimated size(length): Small to large (12 to 15" length) (30-36" length)COMMENTS: (color pattern; injuries; scar patterns; tumors;
flipper tags: present Y/N, tag color, and if readable tag number;
bleach marks (number/letter); behavior; and weather.

Located what is believed to be a cleaning station with some freshwater outflow 25-30ft deep. Turtles when approached properly. Stay in general area and allow divers to make contact and help in the removal of algae from their backs by scratching.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC & ATMOSPHERIC ADMIN.
NATIONAL MARINE FISHERIES SERVICE, F/SWC2
HONOLULU, HAWAII 96812

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
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DOM-010



GEORGE H. BALAZS

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL MARINE FISHERIES SERVICE F/SWC2

~~P.O. BOX 2239~~
~~HONOLULU, HAWAII 96812~~

NOAA, National Marine Fisheries Service
SWFC Honolulu Laboratory F/SWC2
2570 Dole Street
Honolulu, HI 96822-2398



1-18-87

Dear George,

Enclosed are some more photos from what we call "Turtle Haven" off the island of Lanai.

Photos are noted on the Back and range from me ~~swimming~~ scratching a friend to the local fishes Achilles tang & Saddle wrasses cleaning the turtles.

Enjoy hope you get over here to share this area with us. This is the area we mentioned to you last year except that we really know the location this year.

Aloha
Tim



ALOHA -

3/1/88

MAHALO NUI LOA FOR THE BROCHURES RE. TURTLES. I IMMEDIATELY SENT ~~ME~~ A COPY TO THE PEOPLE AT THE PIKAKE -

HONOKOWAI, MAUI. I HOPE THIS WILL HELP THE CAUSE BUT SINCE MOST OF THE FOLKS THERE PLAY GOLF & TENNIS - "Quién sabe?" "WHY NOT PLAY ON THE MAINLAND?"

• DID NOT NOT OBSERVE MANY TURTLES THIS TIME (SIMILAR TO LAST TWO YEARS) - BUT AT LEAST THEY WERE STILL THERE (AM ASSUMING GREEN SEA TURTLES) - IT WOULD BE EXTREMELY DIFFICULT FROM MY Vantage point to DISTINGUISH HAWKSBILLS OR OTHER VERY RARE SPECIES.

- ALSO OBSERVED WHALES ALMOST DAILY - MOSTLY TOWARD LANAI (KANAW CHANNEL) & MOLOKAI (PAILOLO CHANNEL). ALSO, WE APPARENTLY OBSERVED SOME CALVING SINCE THE "WHALE WATCHERS" PEOPLE SAID THE TYPE OF ACTIVITY WE SAW WAS A CALVING OPERATION. ALSO - WE OFTEN SAW A COW (COWS?) & GOLF MOVING ALONG JUST OFF OUR REEFS. THESE WERE POSITIVE I.D.'s SINCE THE CALVES WERE SO SMALL & SLAP VIOUSLY LEARNING TO LEAP - SLAP THEIR TALES (FLUKES) & THEIR PECTORAL FINS (LOOKED LIKE HUGE PADDLES).

(over)

- DIDN'T OBSERVE ANY OBVIOUS
POACHING OF TURTLES THIS
YEAR BUT ASSUME IT STILL
GOES ON - PROBABLY BY THE
MORE RECENT IMMIGRANTS -
NOT THE OLDER POPULATION OR TOURISTS.

- CONSIDERING I FIRST CAME
TO HAWAII IN THE SPRING OF
1943 (SUBMARINE BASE - P.H.T.H.),

I REALIZE I AM OLDER THAN
OVER $\frac{1}{2}$ OF THE PRESENT
RESIDENT POPULATION OF THE
ISLANDS! ONLY A KAMAINA

- BUT STILL OLDER THAN
THEY ALL ARE AND, IN SOME
CASES, HAVING SPENT MORE
TIME IN THE ISLANDS (TOTAL)
THAN MOST NEWCOMERS.

- ENOUGH NOSTALGIA!
Me ka Pūmehana
(WITH WARMTH)

Bud Heacox
(BURGESS W.)

227 SAN
MIGUEL WAY
SACRAMENTO, CA.
95819

BURGESS (BUD) Heacox

3/1/88


 TURTLE OBSERVATIONS
 12-29-87 thru 2-16-88

 HONOKOWAI
 DIST: —
 MAUI.

 (GOOD WEATHER OR BAD WEATHER)
 THE NEW MAUI PRINCESS FERRY PASSED BY
 EVERY A.M. 0645-0700 - MOLOKAI TO LAHAINA

	DATE	TIME OF DAY	SIGHT IN 65	EST. # OF INDIVIDUALS	COMMENTS — weather conditions + sea conditions — etc.
1987	12/29				WON BOTTLE OF CHAMPAGNE ON UNITED FLIGHT #30 IN ESTIMATING $\frac{1}{2}$ WAY TIME!
"	12/30	0630-0800	3	1(+)	Sea smooth
"	12/31	0630-0800	2	1	Sea FAIRLY SMOOTH
1988	1/1	ZAP!	0	0	SURF ROUGH — WATER MUDDY RAIN ALL DAY — STORMY
"	1/2	"	0	0	INSHORE WATER MUDDY — RAIN — STORMY — OAHU FLOODING.
"	1/3	"	0	0	STILL A LITTLE STORMY — RAINY — WATER MURKY — etc
"	1/4	0630-0800	0	0	Sunny — windy — sea "pebbly" surface
"	1/5	0645-0830	0	0	Quiet sea — Hi tide — somewhat pebbly surface
"	1/6	0630-0800	0	0	Sea still choppy — some showers BUT A LARGE ANUENUE! A.M.
"	1/7	0645-0830	0	0	Warm, clear skies,
"	1/8	0645-0800	0	0	Sea mostly calm — smooth shiny surface — later pebbly.
"	1/9	0630-0800	0	0	Rain on TOP ALL DAY — Sea ROUGH — LARGE WAVES — Hi surf
"	1/10	0715-0830	15-20	3(+)	Rain on TOP ALL NIGHT THUNDER + LIGHTNING OVER LANAI + MOLOKAI.
"	1/11	0630-0830	0	0	"GLASSY" surface — calm sea (BODY surfed at Fleming's Beach)
"	1/12	0630-0800	5	2(+)	WARM DAY — Quiet sea
"	1/13	0630-0800	4	2	Sunny warm — calm sea "slick" surface
"	1/14	0630-0715	0	0	VERY PEBBLY surface
"	1/15	0630-0815	8-10	4(+)	Quiet sea — smooth, "glassy" surface
"	1/16	0630-0830	0	0	Quiet sea
"	1/17	0645-0815	2	1	Sea smooth + quiet



B. HEACOX
227 San MIGUEL WAY
Sacto. CA. 95819

TURTLE CHART (2)
CONT.

OBSERVATIONS
HONOKOWAI DIST.
MAUI

~~3-1-88~~
3-1-88

	DATE	TIME OF DAY	SIGHT-ING'S	EST. # OF INDIVIDUALS	COMMENTS - WEATHER = etc.
1988	1/18	0645-0800	2	1	sea smooth - calm
"	1/19	0630-0730	0	0	Sea with very "pebbly" SURFACE
"	1/20	0630-0815	1	1	smooth surface - HI TIDE
"	1/21	0630-0800	5	2(+)	Quiet sea - a little PEBBLY SURFACE
"	1/22	0630-0830	3	1(+)	Sea SMOOTH EXCEPT FOR HI WAVE ACTION EARLY A.M.
"	1/23	0630-0830	2	1	TIDE STILL HIGH & SOME WAVES CRASHING OVER seawall
"	1/24	0630-0815	0	0	surface "pebbly" & "ruffled" FAIRLY HI WAVES.
"	1/25	0630-0800	0	0	surface a little "pebbly"
"	1/26	0630-0730	0	0	Rain DURING NIGHT - rain on & off ALL DAY - STORMY - choppy sea
"	1/27	0645-0715	0	0	Rainy - sea choppy & "pebbly"
"	1/28	0645-0800	0	0	Rainy last night & EARLY A.M. Sea FAIRLY smooth
"	1/29	0645-0800	0	0	sea FAIRLY smooth - some rain & some LARGE WAVES - LIGHTNING - THUNDER TO LANAI & OAHU
"	1/30	0630-0800	0	0	Sea FAIRLY smooth surface but some large waves inshore
"	1/31	0700-0730	0	0	Sea smooth, quiet overall but "pebbly" (our 38th Anniv.) surface
"	FEB 1	0630-0800	3	2	Calm sea
"	2/2	0630-0800	2	1	Sea smooth surface partly glossy
"	2/3	0630-0800	3	1(+)	" " " " " V06 "
"	2/4	0630-0800	2	1	" " " "

B. Heacox -

(3)
(CONT.)
 TURTLE OBSERVATIONS
 HONOKOWAI DIST., MAUI - 1988

1988	DATE	TIME OF DAY	SIGHTINGS	EST. # OF INDIVIDUALS	Comments - Weather - etc.
FEB.	2/5	0630-0730	3	1(+)	Sea surface calm - mostly "SHONEY"
	2/6	0700-0800	0	0	Sea calm - smooth (BODY SURFING AT FLEMING'S Bch.)
	2/7	0630-0800	8-10	3(+)	sea smooth early but "pebbly" later
	2/8	0630-0800	2	1	FAIRLY smooth surface
	2/9	0630-0745	1	1	"PEBBLY" surface
	2/10	0630-0730	3	1	Sea Quiet - BUT somewhat "pebbly" surface
	2/11	0630-0745	2	1	" " " "
	2/12	0645-0745	0	0	surface VERY "PEBBLY" (GREAT BODY SURFING AT Fleming)
	2/13	0630-0745	0	0	surface "pebbly" but quiet sea generally
	2/14	0630-0800	0	0	V-DAY!
	2/15	0630-0730	2	1	calm sea but somewhat "PEBBLY" SURFACE
	2/16	0630-0830	3	1(+)	Sea Quiet (rain during night)
	2/17	—	—	—	pack + leave for San Fran.

Cleawater Adventures.

P.O. BOX 10906 - LAHAINA, HAWAII 96761

TIM AARDRUP
Manager

Air - Rental - Repair

(808) 661-5555 or Toll Free (800) 367-8088
150 Dickenson Street • Lahaina, Maui, Hawaii 96761



12/16/87

George,

Sorry this took so long! As you can

see I started a new business in conjunction with Capt. Nemo's

Air - Rental - Repair are all mine. I have 2 compressors on line and 24 sets of gear ready for action.

I was trying to compare visual references to your chart versus NOAA CHARTS. Area marked is rough I know. No Long/Lat. on position Since Boat is in Day dock and I am on land. Be glad to take you there

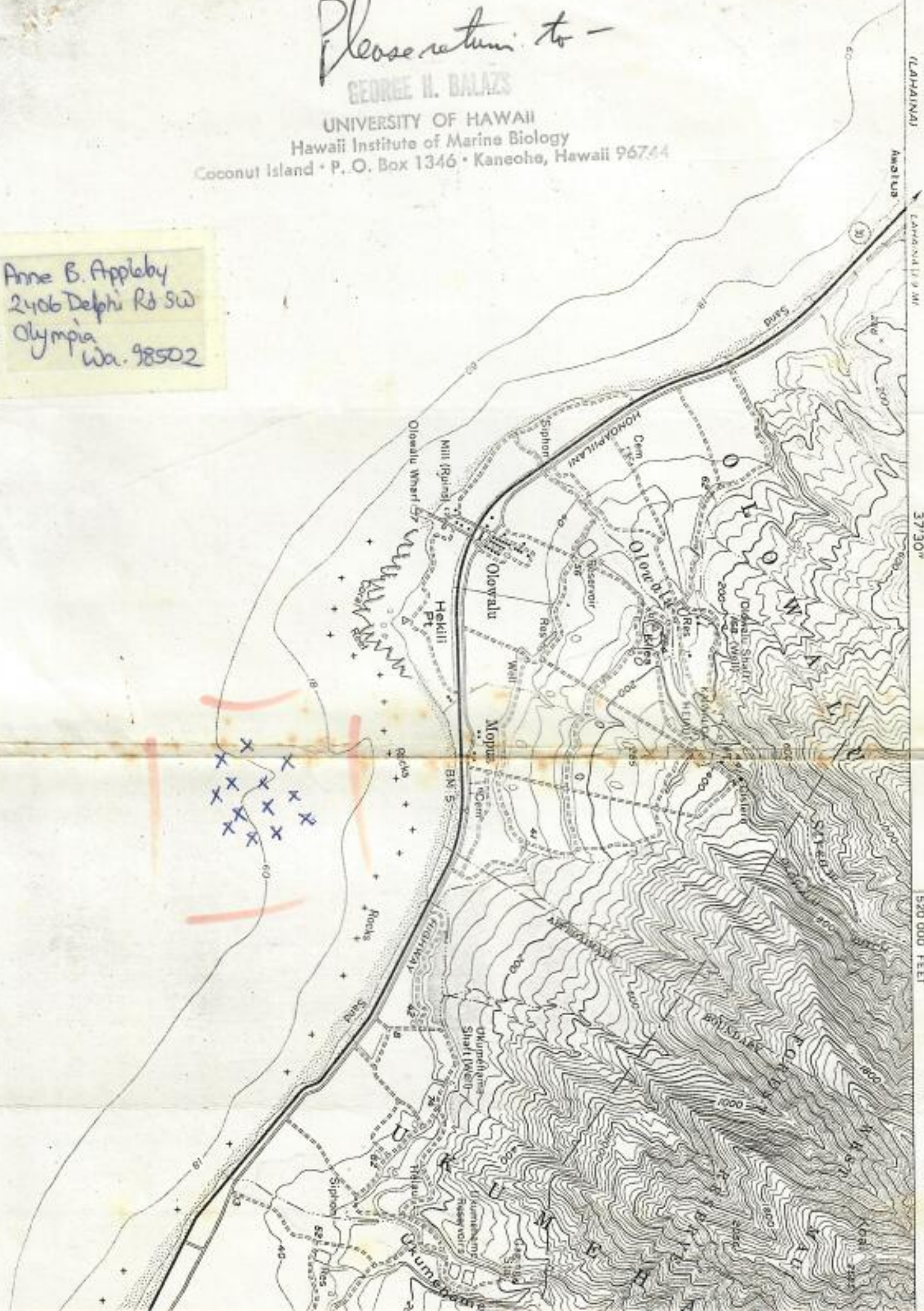
~~If you come over. Still good funnies!~~
Aloha Tim

Please return to -

GEORGE H. BALAZS

UNIVERSITY OF HAWAII
Hawaii Institute of Marine Biology
Coconut Island • P. O. Box 1346 • Kaneohe, Hawaii 96744

Anne B. Appleby
2406 Delphi Rd SW
Olympia
Wa. 98502



LAHAINA

Amaliua

LAHAINA 11.9 MI

37°30'

1520 000 FEET

HAWAII-MAUI CO
ISLAND OF MAUI-LAHAINA
7.5 MINUTE SERIES (TOP)

Anne B. Appleby
2406 Delphi Rd SW
Olympia
Wa. 98502

Sept 23, 1980

Dear Mr Balazs,

Since our work on the Olowalu Reef last spring, several of my co-workers and myself have been pondering the fate of this particular reef along with a great deal of others in the Hawaiian ISLs. This reef ^{has} held our attention as we devoted so much time to detailed study of its makeup. We are concerned with what we observed to be a slow process of deterioration of this ecosystem as a whole. Although this indeed can be a natural evolutionary process, there are many human factors that are obviously providing additional stress to this complex marine habitat. Siltation from cane field run-off, leaching and direct spray of pesticides applied to adjacent cane fields, indiscriminant anchoring and diving from ever-increasing chartered dive and fishing boats are some of the more obvious in question. We also understand that there are some very serious negotiations in progress concerning the development of a large airport just adjacent to the reef. All of these factors considered, the reef appears to be faced, at present, with some serious dangers that have the potential of causing irreparable danger.

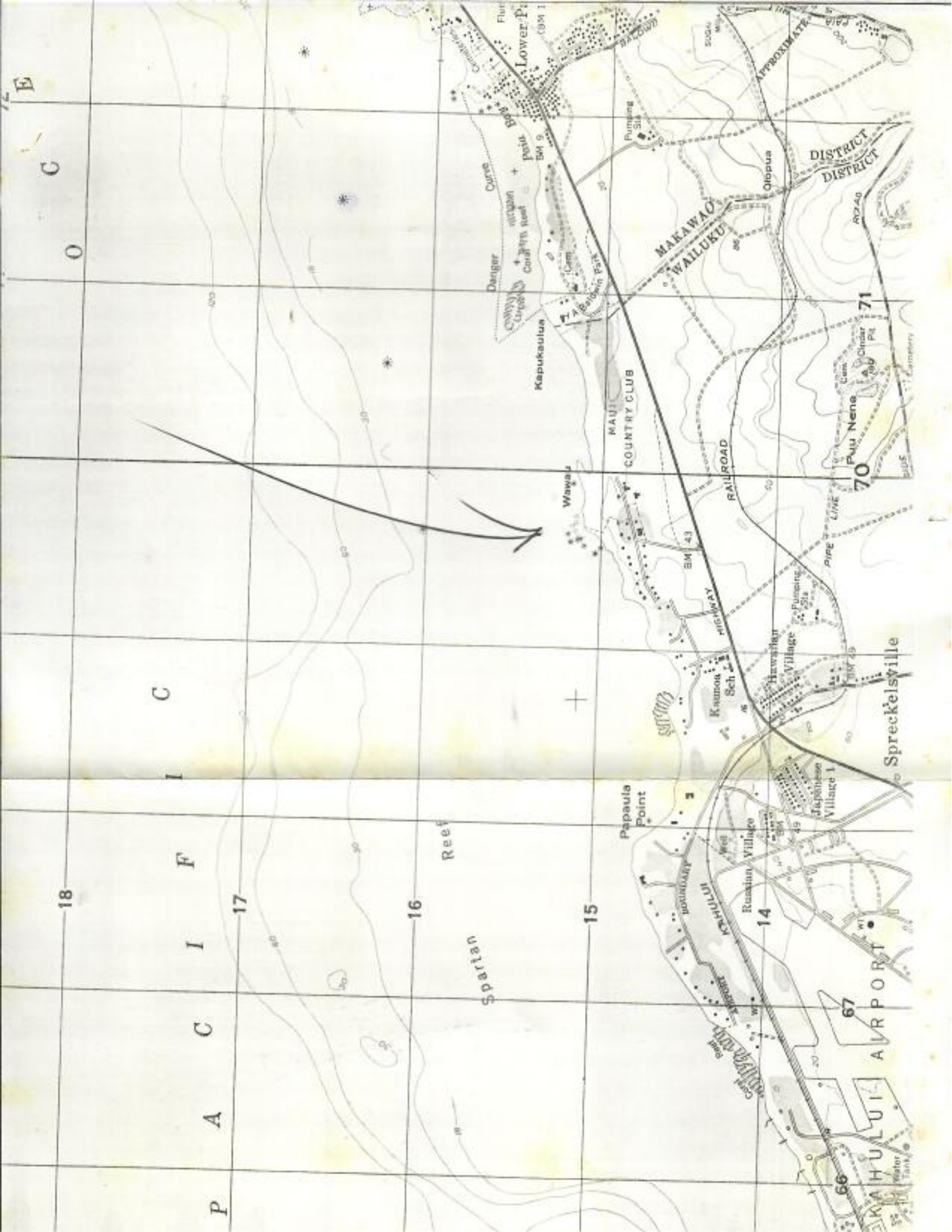
I am writing you, for one, as you may share a concern

for the area in relation to the abundant turtle sightings reported by our group (I am collecting more sighting data for you at present). Although timing may be tight, we are trying to contact any people that might be influential in helping us set up further studies on the reef.

We would appreciate any advice or ideas you could give us in relation to this issue. If you know any other similar project occurring on the islands at present or in the past that might be a helpful guide we would also appreciate information on it. Perhaps you could refer us to other people or organizations we might contact for advice or supports in setting up a study.

I sincerely thank you for your time and hope that we indeed share interests in this area and that we can perhaps be productive with these in the near future. Thank you also for the information on artificial reefs. It was very useful for my work here which I am just wrapping up at present. I am enclosing the chart you sent with turtle siting marks on it. Excuse the strong odor of kerosene but a young puppy snuck in my room to raise havoc the other day and that was one consequence.

I hope all is well and look forward to hearing from you. Yours Truly, Anne Appleby



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Satala

Papaula Point

Roadway Village

Japanese Village I

AIRPORT

MAKAWAO

Spreckelsville

Lower Pt

MAKAWAO

WAILUKU

RAILROAD

DISTRICT

DISTRICT

70

71

Puu Nene

Cinder Pt

Emery

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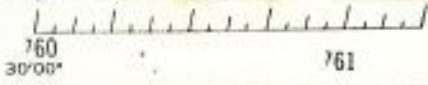
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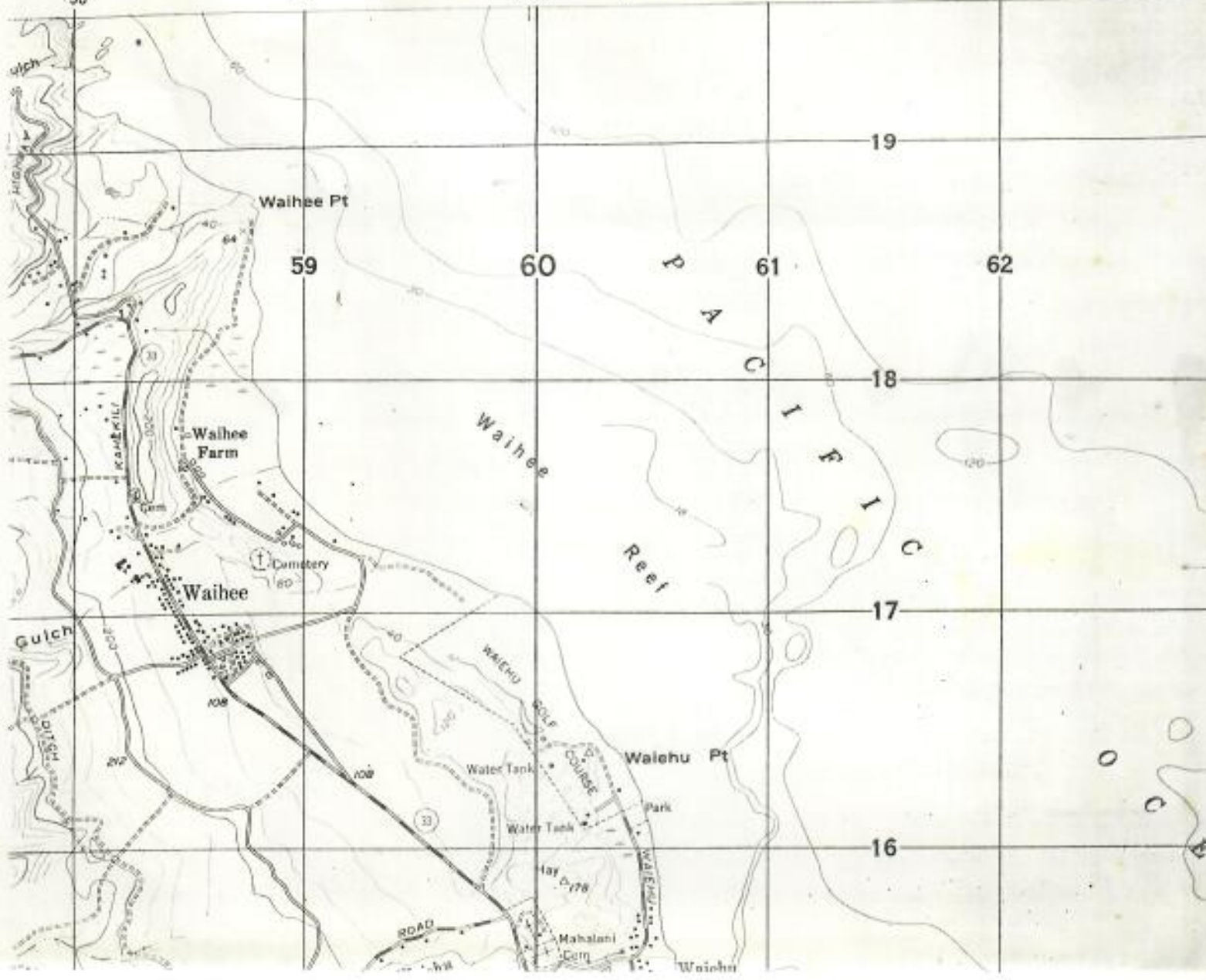
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Waihee Pt

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Waihee Farm

Cemetery

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Waihehu Pt

WAIHEHU GOLF COURSE

Water Tank

Water Tank

Park

May 1978

Mahalani Cerr

ROAD

Waihehu

LOK

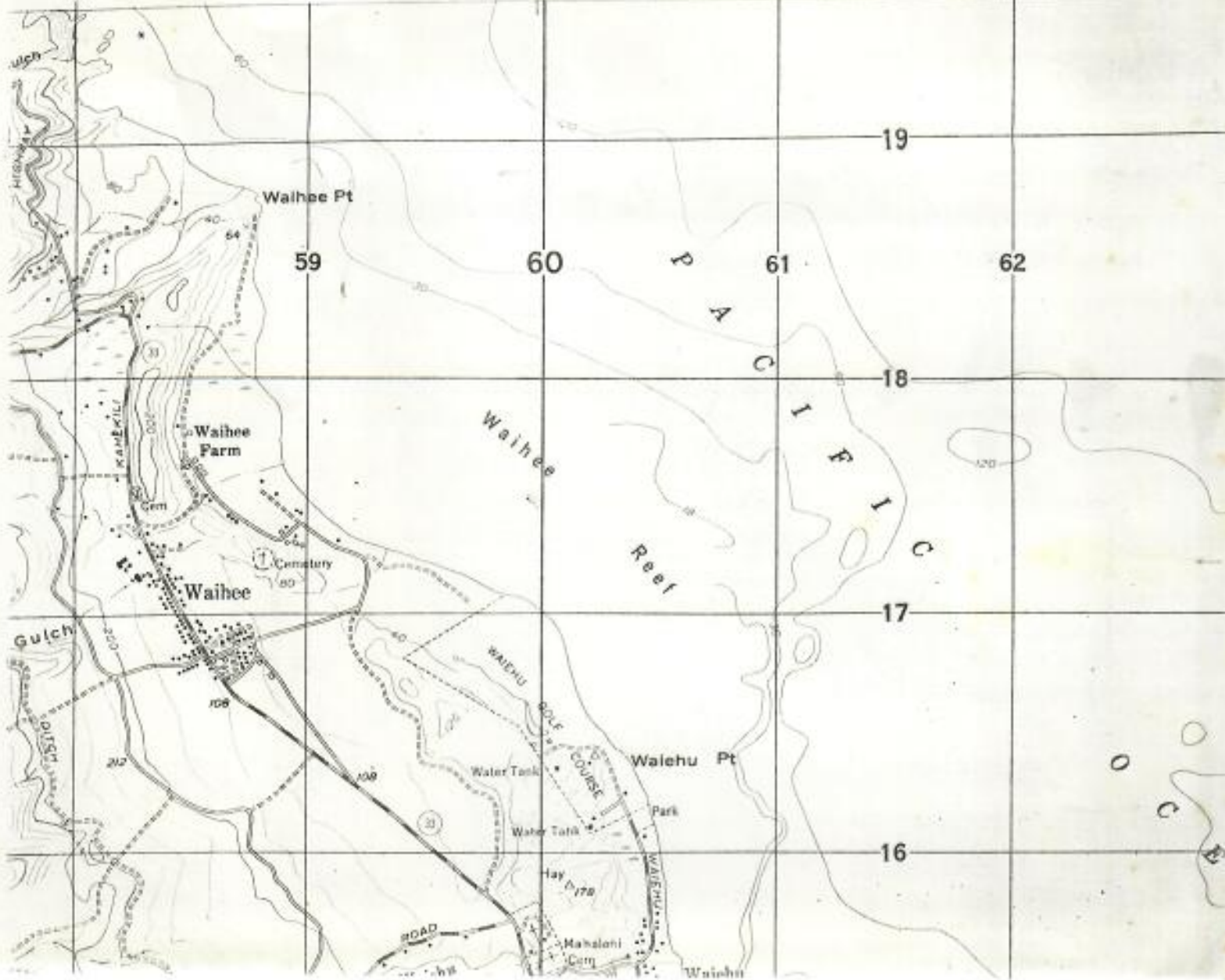
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Danger

Curve

Flume

Kapukaulua

Coral Reef

Paia Bay

Lower Paia

(BM 17)

Pump

Wawa

MAUI COUNTRY CLUB

Pumping Sta

BM 43

MAKAWAO WALLUKU

SUGAR MILL

BM 106

Hawa Village

HIGHWAY

RAILROAD

Olopuu

APPROXIMATE

Hawa Village

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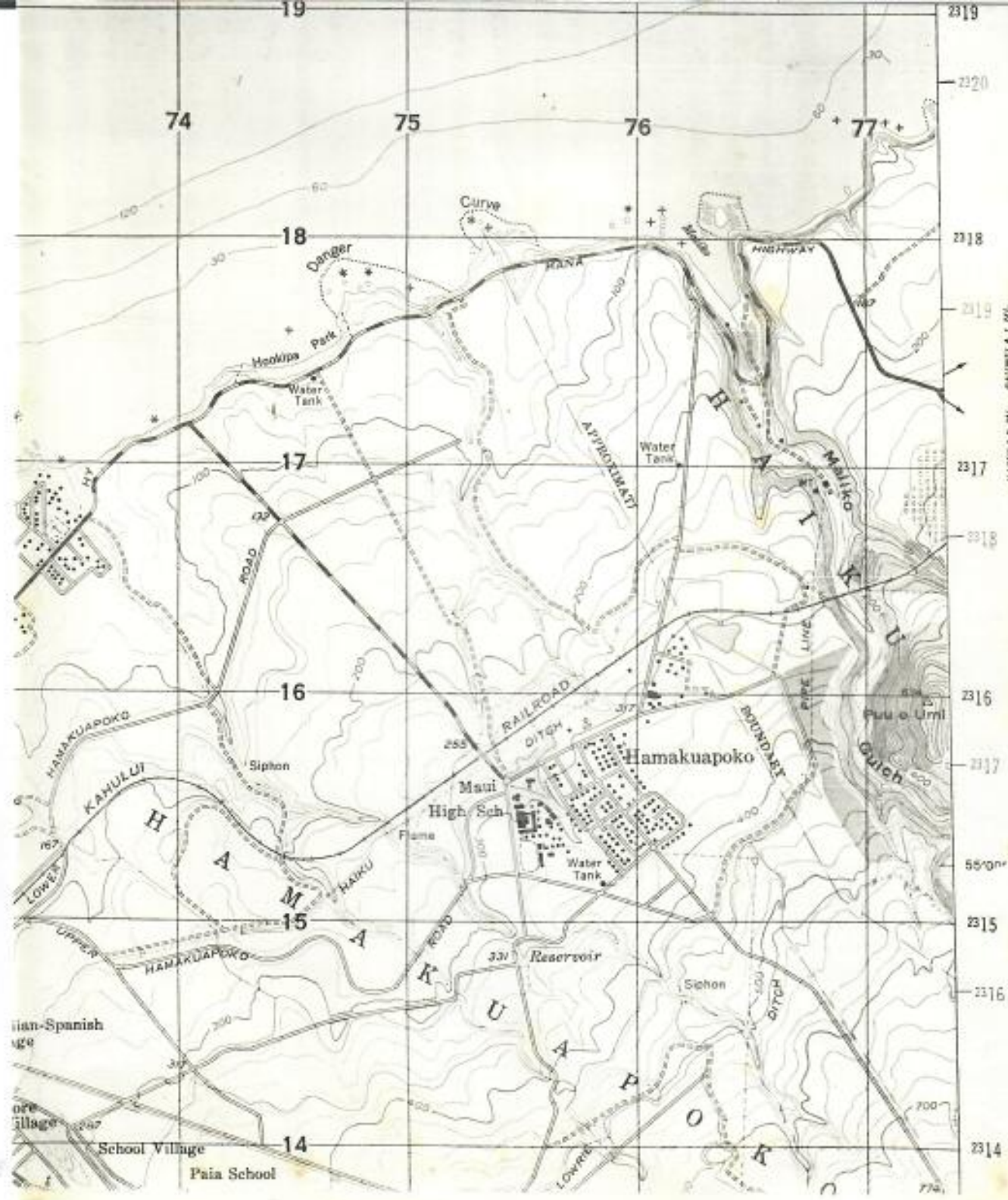
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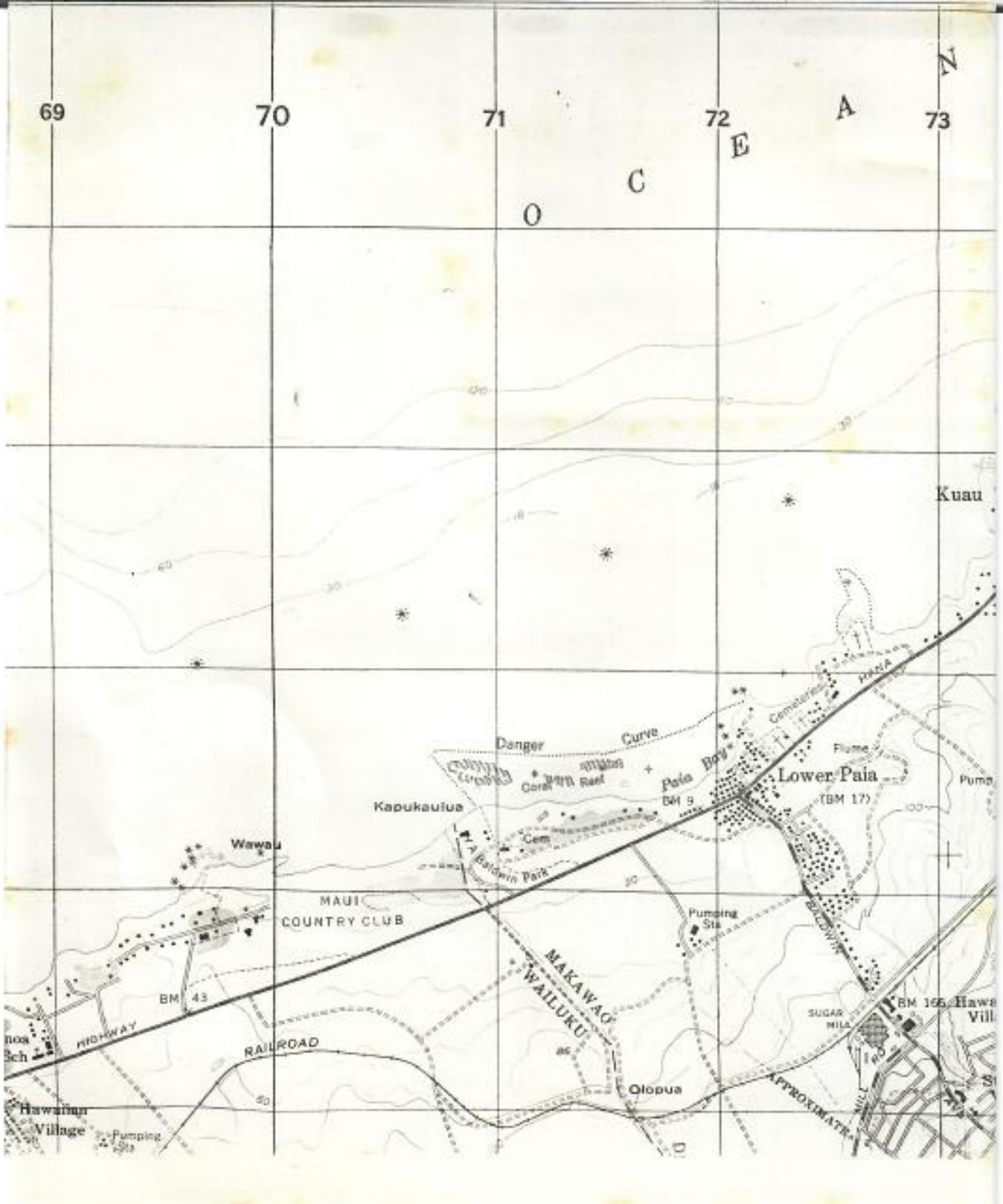
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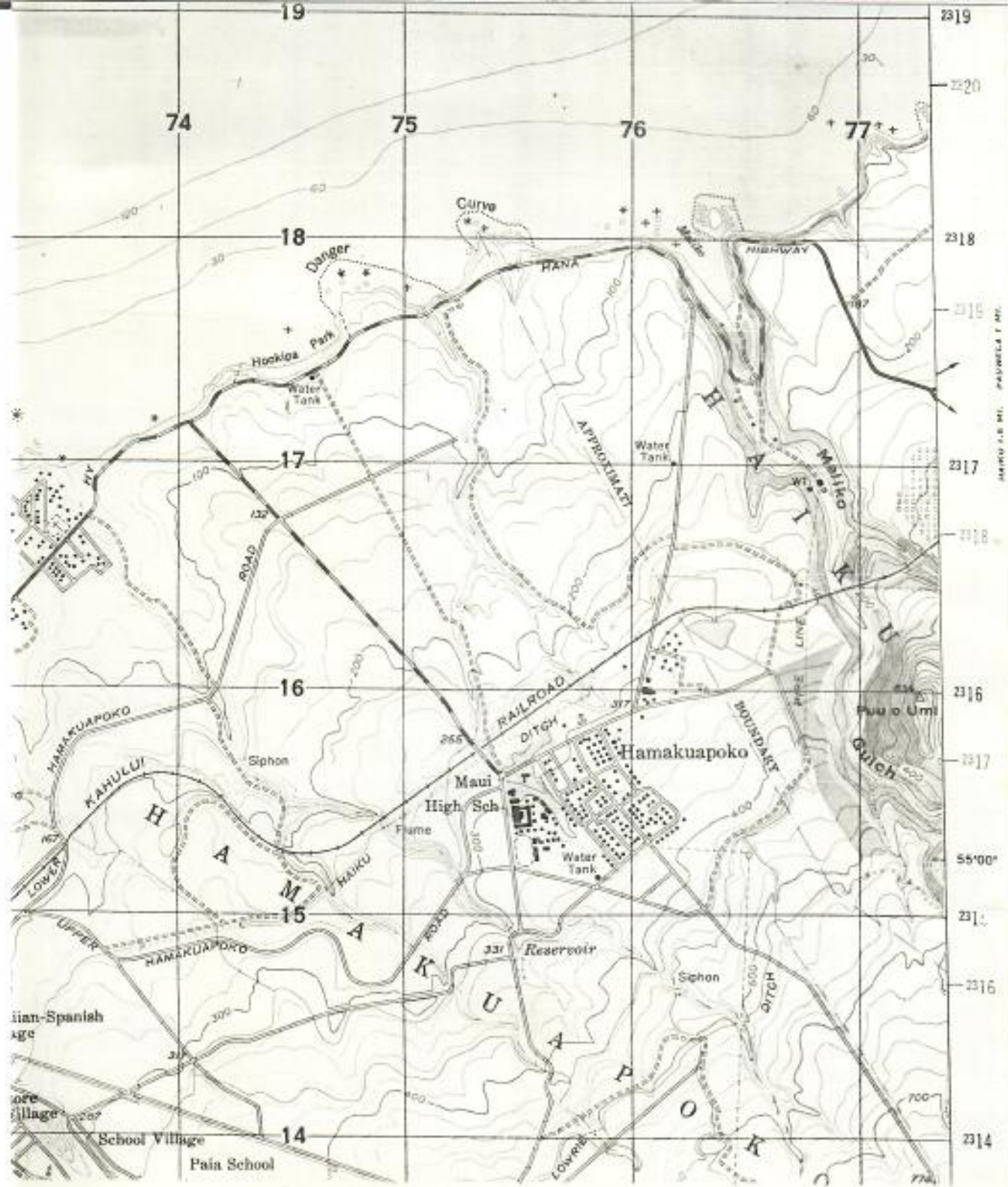


MAUI, HAWAII, U.S. GEOLOGICAL SURVEY, 1916









SCALE 1:50,000

55°00'

LONG

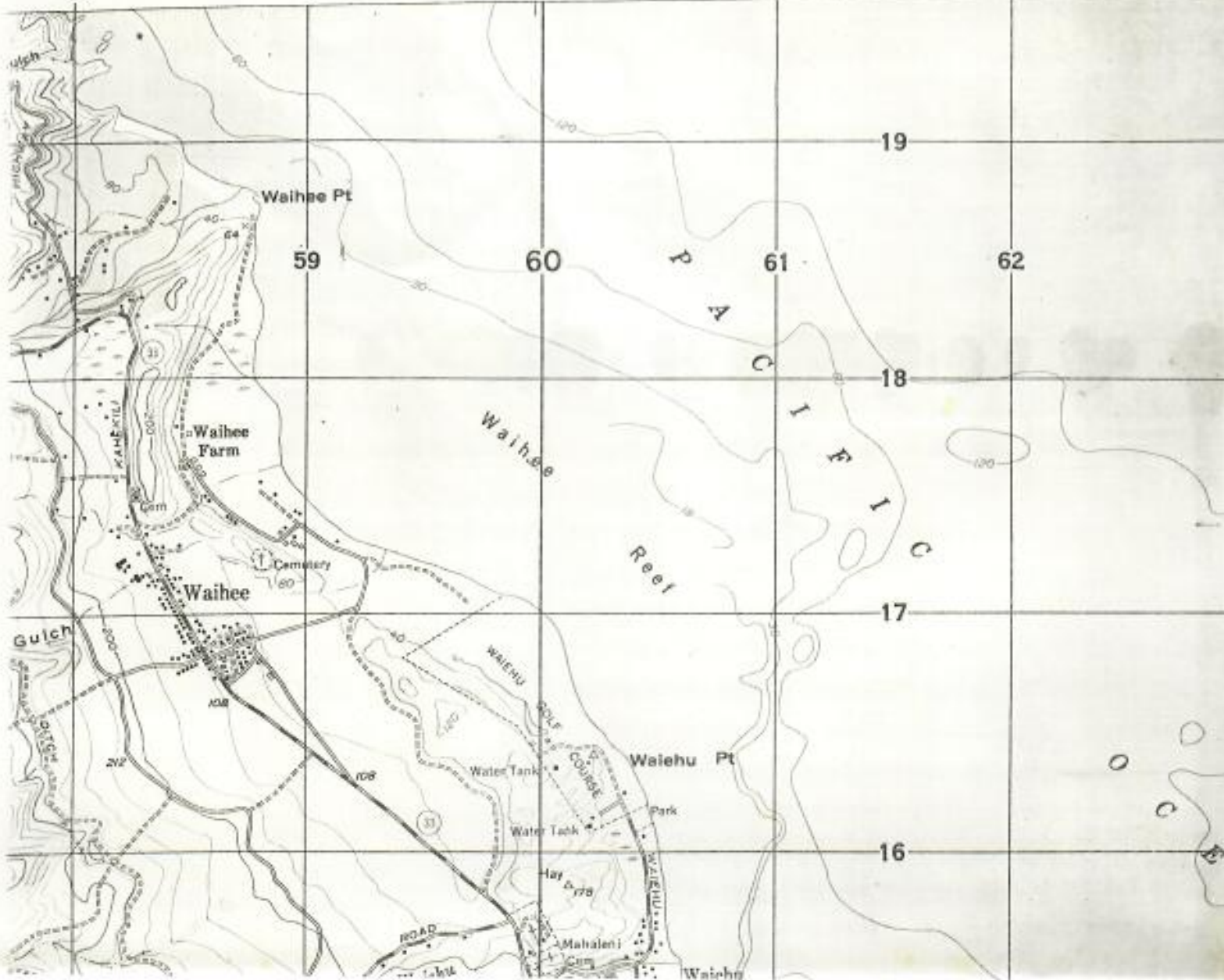
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Waihee Pt

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Waihee Farm

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Waihee

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Gulch

WAIEHU

Waiehu Pt

16

Water Tank

Water Tank

Park

Hay

Mahalei

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Waiehu

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Copy to Bill

2/17/84

ALOHA GENE:

ENCLOSED IS A CHART OF OUR "CRITTER" (TURTLE) OBSERVATIONS AS PROMISED. I HOPE THIS INFORMATION IS OF SOME HELP TO YOUR TURTLE EXPERT. "CRITTER" WATCHING BECAME QUITE AN OBSESSION FOR MANY OF US AT THE PIKAKE AND VICINITY.

FIRST, I SHOULD PROVIDE SOME BACKGROUND INFORMATION AND EXPLANATION OF THE NOTATIONS MADE ON THE CHART.

- OBSERVING TIME: SPAN OF TIME WHEN ONE OR MORE OF THE PRINCIPLE OBSERVERS WERE PRESENT (MYSELF, LANE REYNOLDS A-3, PIKAKE, OR MY WIFE BARBARA).
- NO. OF SIGHTINGS: EMERGENCES (HEADS, SIDE VIEWS, etc.),
- ESTIMATED NO. OF "CRITTERS": IF TWO HEADS SEEN SIMULTANEOUSLY = 2; IF ONE IN ONE DIRECTION AND ANOTHER A FEW SECONDS LATER 100 YDS. OR SO ^{APART} IN ANOTHER DIRECTION = 2; A SINGLE SIGHTING WOULD BE IF THERE WAS NO ~~THE~~ FOLLOW-UP BY THE SAME INDIVIDUAL.

-Weather + water conditions, etc. - SURF
quiet = wave action nil; ^{or} wave action
medium or high; surface - glassy,
shiny, metallic; surface - pebbly =
confusing bumps or ripples, difficult
for observation; also recorded
HIGH, MEDIUM OR LOW tide as
noted.

Incidental notes: LOCAL FISHERMEN
SAY THAT THEY HAVE BEEN SEEING
TURTLES REGULARLY AND ONE HEARSAY
REPORT INDICATED THAT ONE TURTLE
HAD BEEN DRAGGED ASHORE SOMEWHERE
NEAR THE PAPAHEA OR MAUI SANDS
ABOUT 3-4 WEEKS AGO.

- GENERAL OBSERVATIONS:

THE TURTLES APPEARED (ALMOST) EVERY
MORNING ON SCHEDULE BETWEEN THE
TIMES NOTED BUT NEVER SEEN ABOVE
SURFACE, ON BEACH, OR ELSEWHERE, DURING
THE DAY. THEY WERE NEVER SEEN
(BY US) ARRIVING OR LEAVING. OCCASIONALLY
we had SIDE VIEWS & THE "critters"
APPEARED TO BE NO MORE THAN
3' - 4' IN LENGTH. THEY SEEMED TO

(over)

"CRITTER" (TURTLE) OBSERVATIONS
 PIKAKE APTS., HONOKOWAI, MAUI.
 JAN. 10, 1984 THRU FEB. 12, 1984

①

DATE	OBSERVATION TIMES	NO. OF SIGHTINGS	EST. NO. OF CRITTERS	WEATHER AND WATER CONDITIONS + GENERAL REMARKS
1/10/84	0630-0730	3-4	1+	WATER A LITTLE MURKY - CHOPPY SEAS FIRST SIGHTINGS OF UNKNOWN "CRITTERS"
11	0630-0740	3-4+	1+	UNKNOWN WATER-WEATHER EXCEPT SUNNY A.M. - CALLED FRED BALL
12	0630-0800	—	—	RAINY - FRED BALL HERE
13	0630-?	3 or more	2+	BILL STREETER HERE. OVERCAST.
14	0630-0800	3 to 4	3	OVERCAST + CLOUDY - GLASSY CALM SEA.
15	0630-0800	6-8	3+	SHOWERS A.M. - SEA GLASSY, CALM
16	0630-0800	3-4	1+	STREETER WITH ZODIAC 0830-0930 CALM, GLASSY SEA
17	0630-0730	FEW?	?	MOSTLY CLOUDY + OVERCAST A.M. HEAVY CLOUDBURST 0930 OR 10:00
18	0630-0800	Several?	2+	scattered clouds
19	0645-0745	6-8	3+	clear + glassy surface
20	0630-0730	6-10	3+	ZODIAK - SEA WITH A M...? 0730-1000
21	0645-0730	4+	2	ZODIAK IN BEFORE DAYLIGHT HOT-CLEAR A.M. - WATER PEBBLY A.M. POOR VISIBILITY.
22	0630-0800	10-12	3 or 4+	Beautiful, clear, sunny, + GLASSY SURFACE GREAT VISIBILITY.
23	0630-0830	25-30	6-8 (OR MORE)	HOT, CALM A.M.
24	0630-0745	6-8	3+	SEA - HIGH TIDE, some waves (medium) + PARTIALLY "PEBBLY" SURFACE
25	0655-0715	6-8	2+	POOR SIGHTING CONDITIONS - "PEBBLY" SURFACE - BUT GENERALLY WARM + QUIET WATER A.M.
26	0700-0745	3-4	2+	POOR VISIBILITY ON SURFACE, "PEBBLY", LIGHT SHOWER A.M.
27	0700-0755	5	2+	"PEBBLY" SEA - MEDIUM TIDE
28	0645-0800	0	—	PARTLY GLASSY, GOOD VISIBILITY
29	0645-0745	0	—	RAIN SHOWERS NIGHT + EARLY A.M. WATER - NO EXPLANATION FOR NON-SIGHTINGS
30	0645-0800	3	1 or 2	GOOD SURFACE VISIBILITY - MOSTLY GLASSY
31	—	—	—	ANNIVERSARY #34 - WENT ON AKAMAI VAN TOUR AROUND EAST MAUI
2/1/84	0645-0745	10-12	3+	glassy surface, calm, mid-tide
2/2	0645-0745	5-6	2+	SURFACE CHOPPY - "PEBBLY" - HEAVY WIND + RAIN DURING NIGHT
2/3	0645-0800	5	2+	HIGH TIDE, BIGGEST WAVES SINCE ARRIVAL. ROUGH SEAS, WIND, CLEAR

Anne B. Appleby
2406 Delphi Rd SW
Olympia, Wash. 98502

Dear Mr. Balazs,

June 14, 1980

I was very glad to get your letter and forms a few months ago and I just hope you have not given up on me yet. I put the matter aside until I could thoroughly treat it without the interruption and pressure of school responsibilities. Graduation has finally passed and a major research project completed and I would now like to present you with whatever turtle information I ~~can~~ dig up.

First of all, the map you sent stops just short of the area in which we spotted the majority of the turtles. Our camp, Camp Pecua, is located just east of Hehili Pt, some 1/4 miles or less. We conducted most of our work directly adjacent to camp as far out as approx 3/4 miles offshore, over up to 85' of water.

It seems I have lost the forms you sent so I will merely list the sightings I have found from my own journal and that of Dr Dave Milne, our faculty on the Hawaii program. He is a Marine Biology professor here at the Evergreen State College and as well as a professor for a number of related subjects.

The only species of turtles sighted by any of our group was the green turtle. None of the students or faculty were doing specific studies on the turtles and thus no exceptionally detailed accounts were taken - mostly records of daily sightings - location, date, and sometimes size and behavior. Most of us were unfamiliar with how to discriminate by sex and thus few details were included on that. Dr Milne judged ♀'s by the shortness of their tail.

General impressions were that quite a large colony of these turtles frequented the outer regions of the Alowalu reef. Sightings of up to 10-12 individuals were made at one time, usually counted by shells seen floating on the water's surface. I have no dates for these sightings. Individuals of all ages were sighted. The dates of all sightings included here are in February which might be a reflection of the group's activities at that time.

DATE 1980's	# of INDIVIDUALS	SIZE - Measured by length of shell	LOCATION	COMMENTS	SIGHTED BY:
Feb. 9	3	3 1/2 - 4'	± 3/4 mi. offshore over 45-50' H ₂ O	Floating on the top of the water	Anne B. Appleby (ABA)
Feb. 9	5	"	"	All were lying on the sandy bottom in a sand channel	Jack Ayres
Feb. 10	3	#1 3' #1 3' #2 20" #3 20"	in 35' water	♀ resting on sand butting up to coral. Diver approached to 25' deep + turtle not disturbed	Dr. Dave Milne
		"	"	Individual swimming in same area as above	"
		"	"	Resting on sand butting up to coral; watched snorkler approach and moved away easily	"
Feb 12	1	2 1/2'	in 30' of water	Resting in sand channel butting up to coral	ABA
Feb 16	1	2 1/2'	" 30' - "	Swimming over bottom	ABA
Feb 18	2	3'	over 45-50' H ₂ O	Floating on surface	ABA
Feb 19	2	80cm	over 45-50' H ₂ O	One swimming 10' above bottom, one resting on <i>P. compressa</i> coral. Both ♀'s.	Dr. Milne
Feb 19	2	4'	over 45' H ₂ O	Floating on surface	ABA
Feb. 22	4	#1 2' #2 2'	"	Swimming 10' above coral beds. ♀	Dr. Milne
		"	"	Resting on coral, took off off when diver approached to 3'. This individual had a distinct mark on its shell which showed up white:	"
		#3 3'	"	On sand in a narrow channel. When diver approached it scrambled up along the bluffs of coral on either side without any gain. The diver picked it up and directed it out the channel whereupon it swam away directly.	"



We were doing more general orientation and survey work on the reef at that time and were much more open-eyed to ~~all~~^{life} around us. The last half month in camp (beginning of March), our attention was much more closely focused on specific study projects. Especially with SCUBA, it is easy to block off views of your general surroundings when you are closely zeroed in on a smaller area or detail.

You asked, in your letter, for a copy of any study our group produced. We actually did not conduct any group study but except a general transect study of the width of the reef adjacent to the camp. I do not have a copy of these results but could surely come up with one if you are interested. Otherwise, the students worked on individual or small group projects on a variety of different topics or aspects of reef life. I personally worked with three other people to thoroughly record the present ecosystem in a section of P. compressa in forty-five feet of water. Our purpose was to accumulate some good baseline data which could be used for future ^{comparative} studies on the reef. We hoped this could be a first step in an effort to monitor the condition of the reef on a regular basis as this has never been done before.

I hope this information has been a help to you. I appreciate our contact in Hawaii and sorely miss those islands now that I am back on the mainland. The volcano has attracted great cloud cover and since its first eruption three weeks ago, we have not seen the sun once! Since my return, I have been studying invertebrate growth on artificial reefs in the South Puget Sound via SCUBA. My final report should be published in several months. You complained of the cold water at Kihole Bay!!!... Do you know of any studies being conducted on artificial reefs on the islands now? I would very much like to make contact with people involved in that area for comparative information. I have hopes of returning to the Hawaii within the next two years and sharing information

and work with people involved in marine research if I can.

I hope all is going well for you and that you can use the information here. I hope to hear from you sometime if and when you have time to drop a line.

Thanks very much.

Sincerely,

Anne B. Appleby