

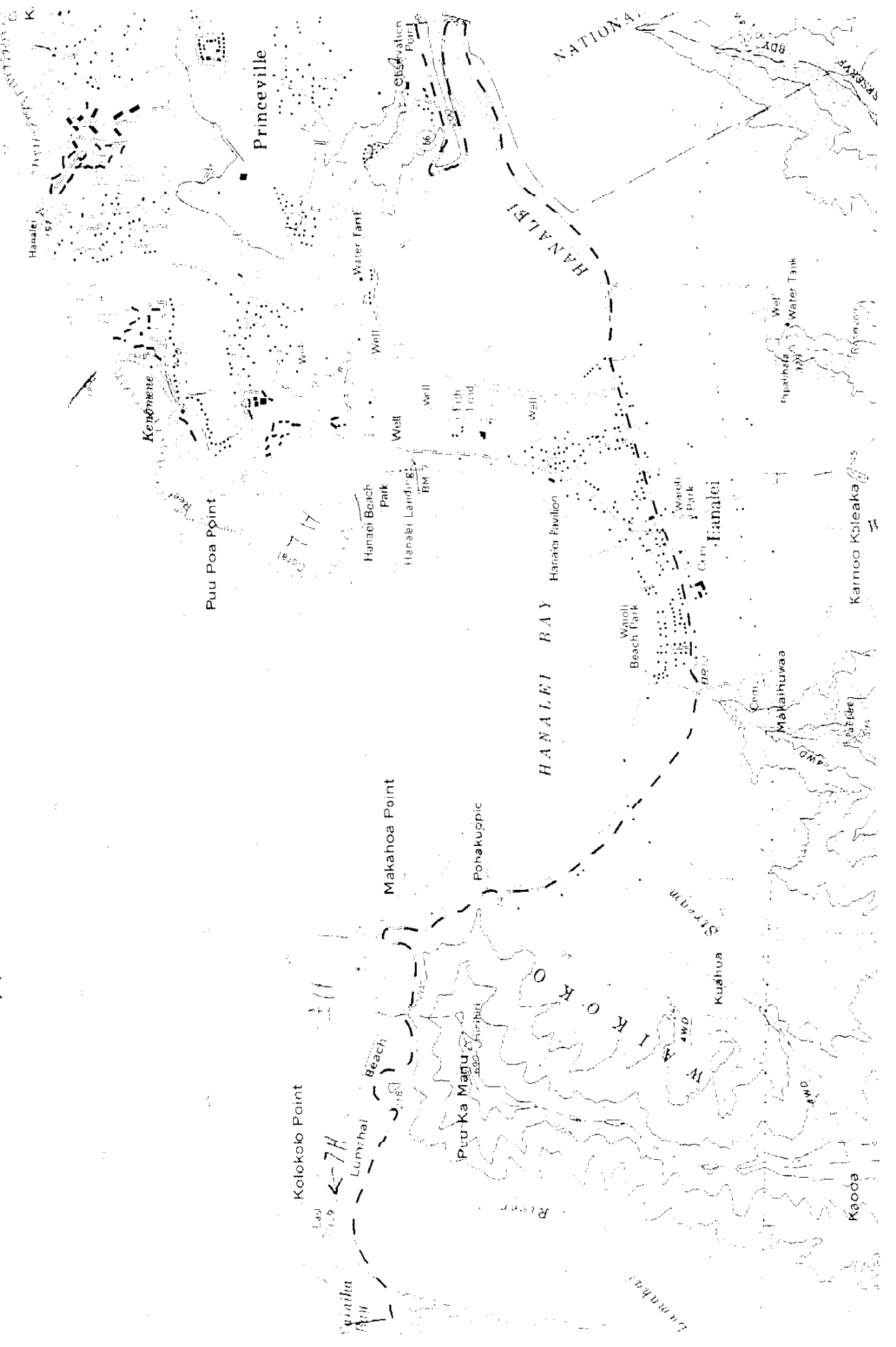
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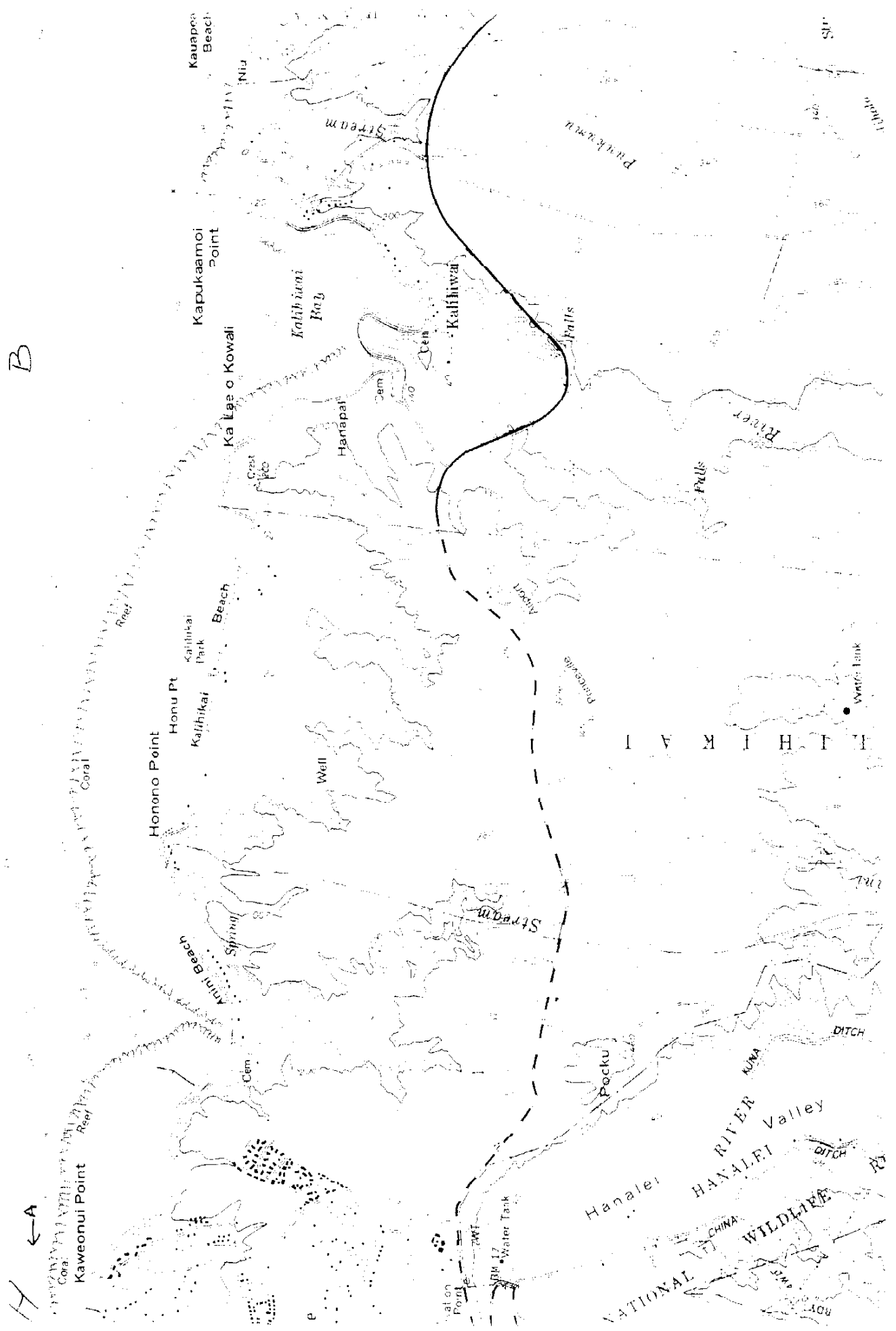
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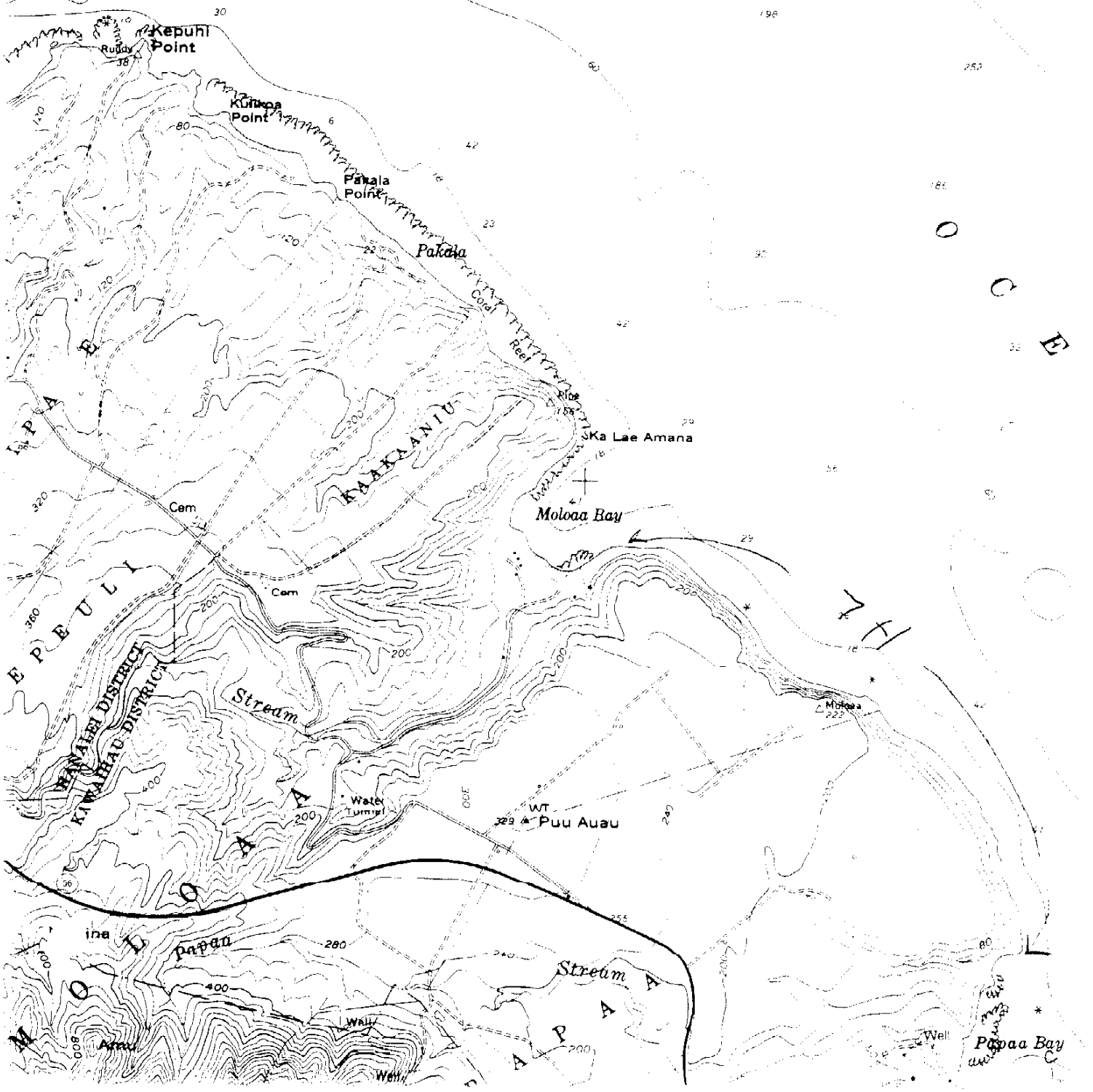
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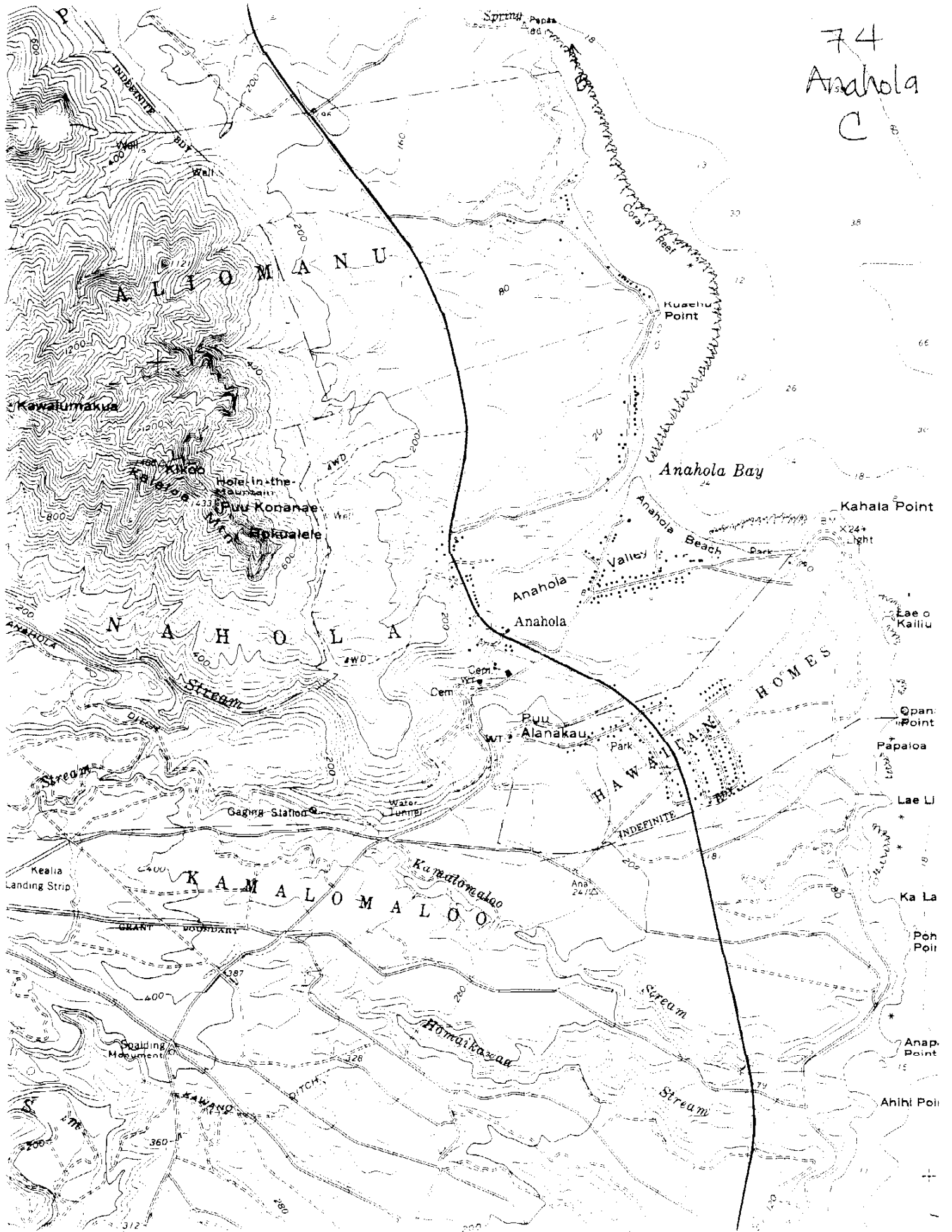
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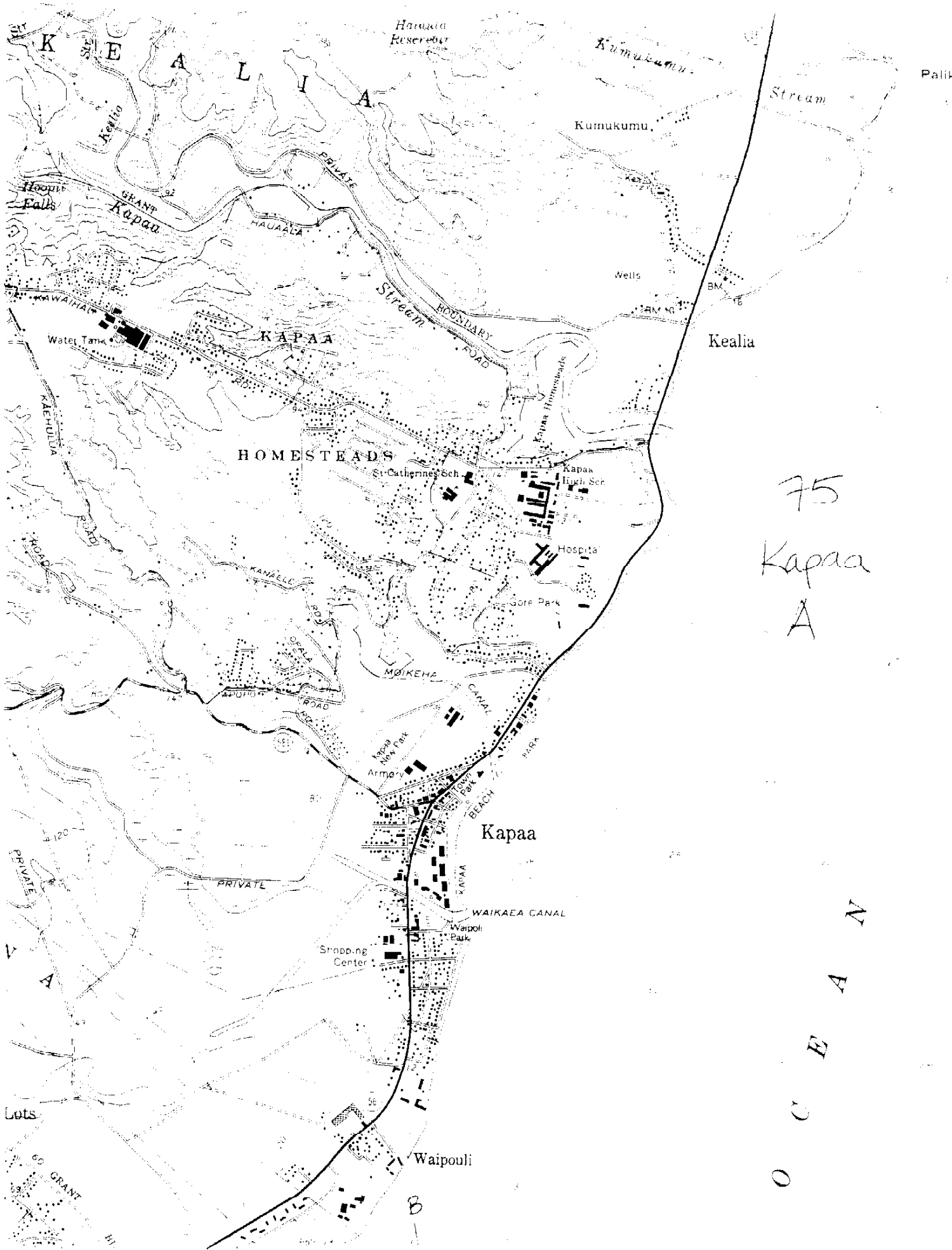
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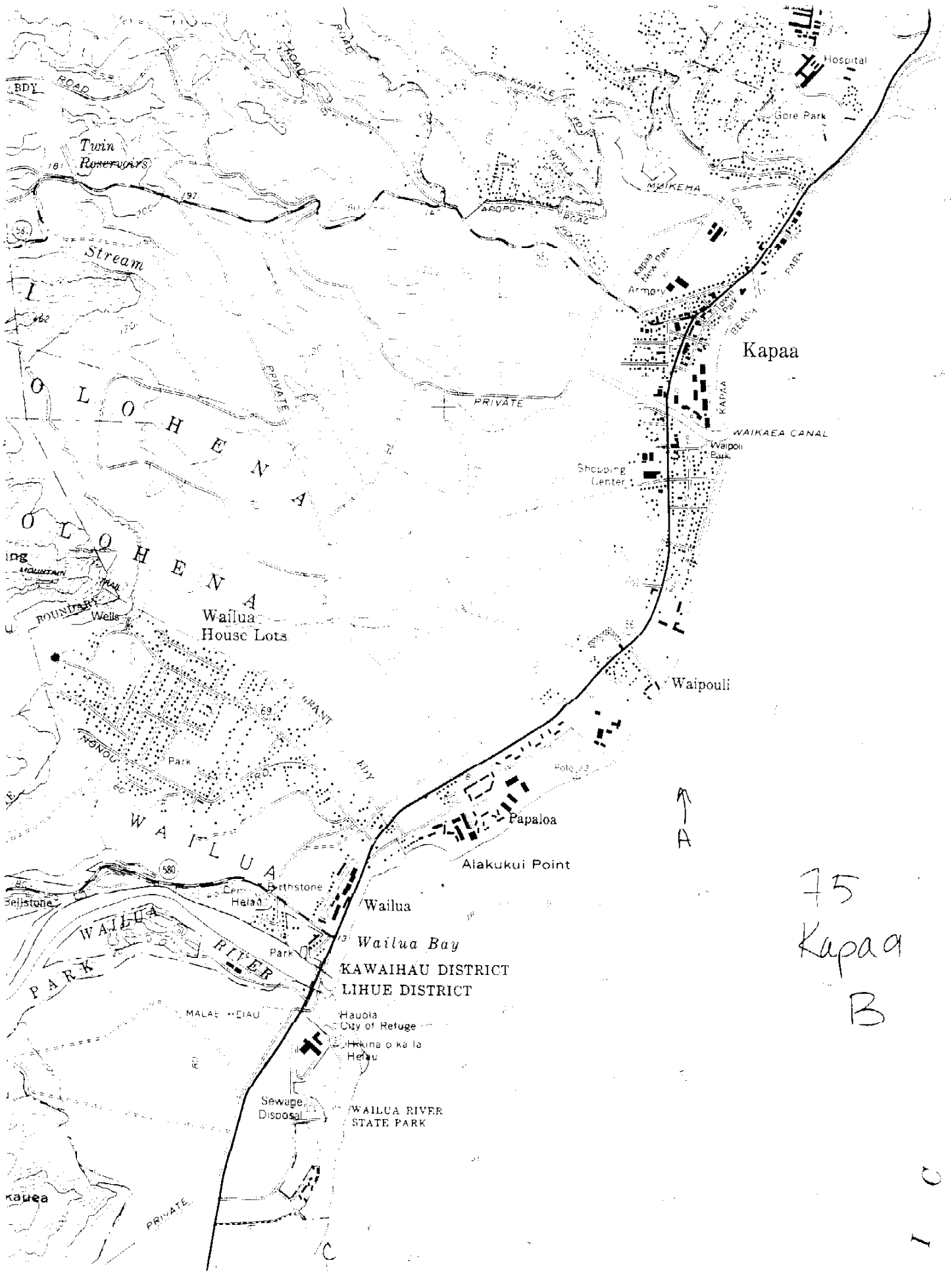
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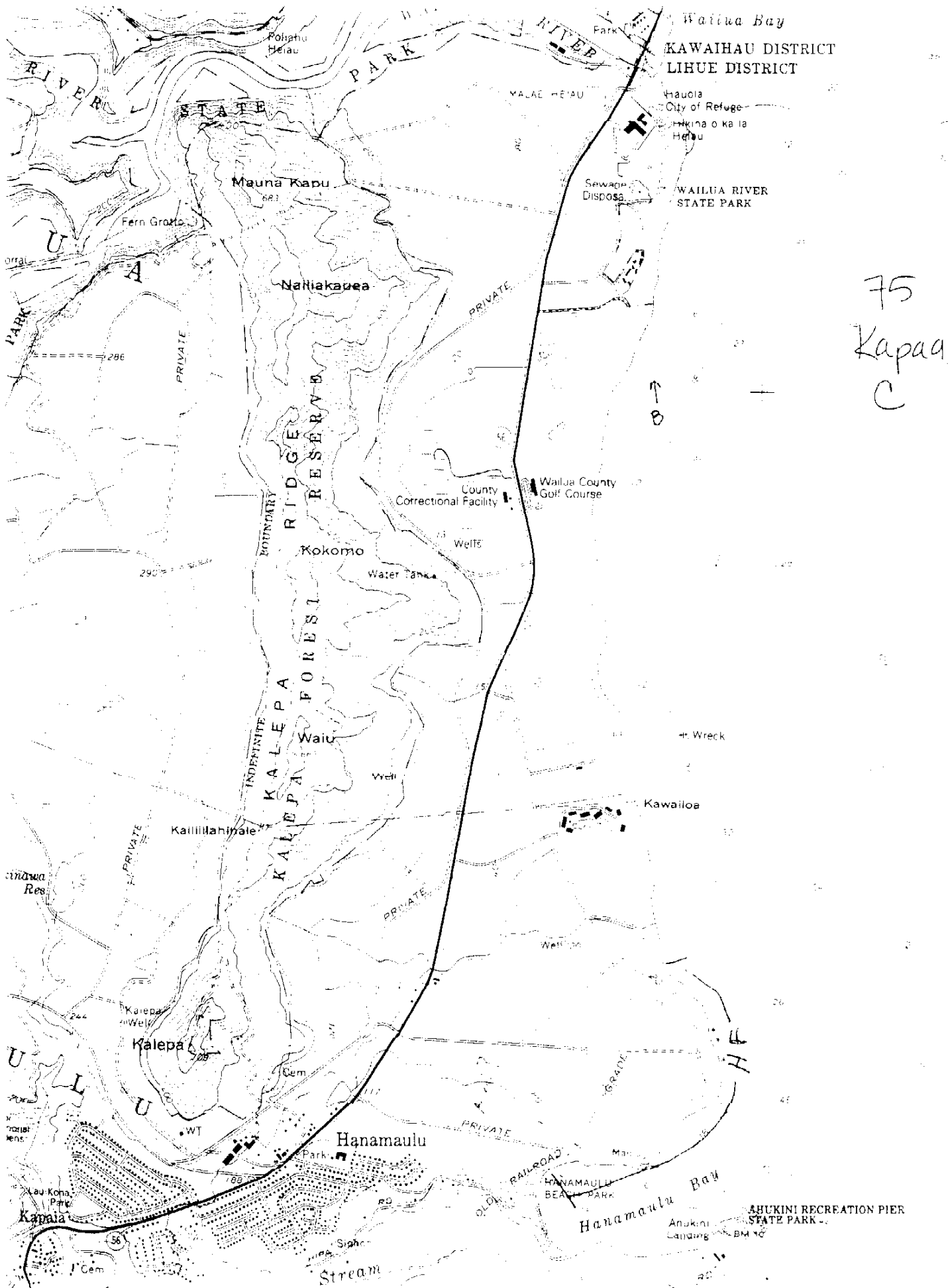
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Kapaa
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IC



TEAM IDENTIFICATION

Tesoro SPM Hose Spill

DATE: 9-16-98

Team Letter A

Team Members:

Mark Ploen

Fred Wehrenberg

Christie Robinson

Shane Hooker USCG

Tom Garcia, USCG

John Bartholomew, USCG

CARLO F. LUCCHETTI, USCG



ESORO

SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

Kipu Kai Beach

Date 9-15-98 24 hrs.

TEAM LETTER

A

Time 1325
mm dd yy

USGS Quad Name: _____

Segment No. _____ ACCESS: Boat Jeep Helicopter

GPS Boundaries 20°54.475N x 159°23.489W * / 21°54.799N x 159°23.104

Type of Oil

No Oil Stain Buried Tarballs

Area of Stain length: _____ width: _____ ft. Size of Tarballs 2-20 mm (dia.)

Location of Oil:

strand line high tide line low tide line other

Beach Use:

Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 2 Other: _____

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other _____

Meteorologic Data

Air Temp: 89 (F) Wind Speed 10-15 knots
Visibility Clear Precipitation: Y N Wind Direction: E
Average Surf Height 4-5 ft. Swell Height 4 ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals
Birds: Shorebird Seabird Waterfowl Terrestrial birds
Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: Crabs on sand
* Wash out area sand southern portion of the beach
is a catch basin for debris

Trace (<1%) distribution on sand beach. Sporadic (~3%)
distribution in boulders (Melted TB / Coat).
Southern GPS boundary



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

TESORO

Date 9/7/93 24 hrs.

TEAM LETTER /

Time 1300
mm dd yy

USGS Quad Name: H

Segment No. KAJUA BEACH ACCESS: Boat Jeep Helicopter

GPS Boundaries 22 13 141 N x 159 35 17 W (105 00E) 22 13 22 N

Type of Oil No Oil Stain Buried Tarballs 159 34 922 W (105 00E)

Area of Stain length: _____ width: _____ ft. Size of Tarballs _____ (dia.)

Location of Oil: strand line high tide line low tide line other

Beach Use: Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 40 Other: _____

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other ROCKS

Meteorologic Data Air Temp: 25 (F) Wind Speed 15
Visibility 1000 Precipitation: Y N Wind Direction: 5
Average Surf Height 3 ft. Swell Height 3 ft.

WILDLIFE:
Seaturtles Whales Dolphins Seals
Birds: Shorebird Seabird Waterfowl Terrestrial birds
Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: OBSERVED IN SWIFT
BE FEEDING



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

ESORO

Date 9-15-98 24 hrs.

TEAM LETTER A

Time 1620
mm dd yy

USGS Quad Name: _____

Segment No. Fuji Beach (Baby Beach) ACCESS: Boat Jeep Helicopter

GPS Boundaries 22° 04.11' N 159° 19.01' W 22 03.916 N 159 19.074

Type of Oil
 No Oil Stain Buried Tarballs

Area of Stain length: 10 mm width: 10 mm Size of Tarballs _____ (dia.)

Location of Oil: strand line high tide line low tide line other

Beach Use:
 Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 2 Other: Beach Closed

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other _____

Meteorologic Data Air Temp: _____ (F) Wind Speed 20-25 knots

Visibility Clear Precipitation: Y N Wind Direction: E

Average Surf Height 1 ft. Swell Height 3-5 ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals

Birds: Shorebird Seabird Waterfowl Terrestrial birds

Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: Star balls viewed
by crew Crabs



ESORO

SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

Ahukini Point

Date 9-15-98 24 hrs.

TEAM LETTER

A

Time 0830
mm dd yy

USGS Quad Name: _____

ACCESS: Boat Jeep Helicopter

Segment No. _____

GPS Boundaries _____

Type of Oil

No Oil Stain Buried Tarballs

Area of Stain length: _____ width: _____ ft. Size of Tarballs _____ (dia.)

Location of Oil:

strand line high tide line low tide line other

Beach Use:

Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 6 Other: Fishing

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other Boulders

Meteorologic Data Air Temp: 7 (F) Wind Speed 10 knots

Visibility _____ Precipitation: Y N Wind Direction: E

Average Surf Height 2-3 ft. Swell Height 2-3 ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals

Birds: Shorebird Seabird Waterfowl Terrestrial birds

Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N

Comments: Approximately



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

ESORO

Date 9-16-98 24 hrs.

Time 0740
mm dd yy

TEAM LETTER A

USGS Quad Name: _____

Segment No. Outrigger Beach ACCESS: Boat Jeep Helicopter

GPS Boundaries 22° 00.516' N x 159° 20.46' W 22° 00.927' N x 159° 20.2'
Southern end of Hotel Northern end

Type of Oil No Oil Stain Buried* Tarballs

Area of Stain length: _____ width: _____ ft. Size of Tarballs 2-25 (dia.)

Location of Oil: strand line high tide line low tide line other

Beach Use: Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 2 Other: Beach Closed

Shore type: sand gravel cliff basalt beach seawalls/piers
wetland reef other

Meteorologic Data Air Temp: _____ (F) Wind Speed 20 knots
Visibility Cloudy Precipitation: Y N Wind Direction: E
Average Surf Height 1-2 ft. Swell Height 4 ft.

WILDLIFE:
Seaturtles Whales Dolphins Seals
Birds: Shorebird Seabird Waterfowl Terrestrial birds
Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: red crabs, urchins, sea cucumbers

* old tar bars were uncovered from 6-12" deep



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

ESORO

Date 9-16-98 24 hrs.

TEAM LETTER A

Time 1144
mm dd yy

USGS Quad Name: _____

Segment No. Barking Sands Beach ACCESS: Boat Jeep Helicopter
southern end North end

GPS Boundaries 22°00'58.652 N x 159°45.345 W 22°06.230 N x

Type of Oil No Oil Stain Buried Tarballs 159°44.646 W

Area of Stain length: _____ width: _____ ft. Size of Tarballs 2mm (dia.)

Location of Oil: strand line high tide line low tide line other

Beach Use: Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 0 Other: Military Base

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other _____

Meteorologic Data Air Temp: 87 (F) Wind Speed 10-12 knots

Visibility Clear Precipitation: Y N Wind Direction: NW

Average Surf Height 2-3 ft. Swell Height 1.5 ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals

Birds: Shorebird Seabird Waterfowl Terrestrial birds

Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: _____

Water Sample #1 GPS 22°00.242 N x 159°46.381 W 1200

Shorebird appeared to be Sanderlings

2 seals swimming on Northern end

tar balls found in 50' x 1" swath of beach

Water Sample #2 off coral reef 1430

7 spots of oil 1cm diameter on reef

TEAM IDENTIFICATION

Tesoro SPM Hose Spill

DATE: 9-17-98

Team Letter A

Team Members:

CHRISTIE ROBINSON - ENTRIX

JANE HOOKER USCG

MARIC PLOEN - QualTech

Fred Wehrenberg - ENTRIX

John Bartholomew - USCG

E. F. Lisowski - USCG

Pete Olsen

Tesoro

Team 4

E. F. LISOWSKI - USCG

CHRISTIE ROBINSON - ENTRIX



ESORO

SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

Date 9-17-98 24 hrs.

Time 1515
mm dd yy

TEAM LETTER 4

USGS Quad Name: _____

Segment No. Waimea State Pier Pier ACCESS: Boat Jeep Helicopter

GPS Boundaries 21°56'57.2N x 159°40'02.4W - 21°57'14.6N x

Type of Oil No Oil Stain Buried Tarballs 159-40'17.6W

Area of Stain length: _____ width: _____ ft. Size of Tarballs _____ (dia.)

Location of Oil: strand line high tide line low tide line other

Beach Use: Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 0 Other: _____

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other _____

Meteorologic Data Air Temp: 85 (F) Wind Speed 5 knots
Visibility Cloudy Precipitation: Y N Wind Direction: E
Average Surf Height 1 ft. Swell Height 2-3 ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals

Birds: Shorebird Seabird Waterfowl Terrestrial birds

Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: Black Sand
Assessed up to Makauiki River



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

ESORO

Date 9-17-98 24 hrs.

TEAM LETTER

4

Time 1417
mm dd yy

USGS Quad Name: _____

Segment No. North of Kekeha City Beach ACCESS: Boat Jeep Helicopter

GPS Boundaries 22°12'50.2"N x 159°30'40.1"W 2958'02.1"N x

Type of Oil No Oil Stain Buried Tarballs 159°42'22.4

Area of Stain length: _____ width: _____ ft. Size of Tarballs _____ (dia.)

Location of Oil: strand line high tide line low tide line other

Beach Use: Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

o. of people present: 10 Other: _____

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other _____

Meteorologic Data Air Temp: 85 (F) Wind Speed 10 knots
Visibility _____ Precipitation: Y N Wind Direction: E
Average Surf Height 1-2 ft. Swell Height 2 ft.

WILDLIFE:
Seaturtles Whales Dolphins Seals
Birds: Shorebird Seabird Waterfowl Terrestrial birds
Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: _____



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

ESORO

Date 9-17-98 24 hrs.

Time 1135
mm dd yy

TEAM LETTER

4

USGS Quad Name: _____

Segment No. Waipoli City Beach Park ACCESS: Boat Jeep Helicopter

GPS Boundaries 22°01.13.9N x 159°20'30.44" W x 22°02.58.34N

Type of Oil

157°30'40.83W

No Oil Stain Buried Tarballs

Area of Stain length: _____ width: _____ ft. Size of Tarballs _____ (dia.)

Location of Oil:

strand line high tide line low tide line other

Beach Use:

Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 20 Other: _____

Shore type: sand gravel cliff basalt bench seawalls/piers

wetland reef other _____

Meteorologic Data

Air Temp: _____ (F) Wind Speed 0

Visibility Cloudy Precipitation: Y N Wind Direction: _____

Average Surf Height _____ ft. Swell Height _____ ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals

Birds: Shorebird Seabird Waterfowl Terrestrial birds

Seabirds / Shorebird Activity:
flying diving resting running swimming

Impacted Wildlife Y N

Comments: Wandering Tattler



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

TESORO

Date 9-17-98 24 hrs.

TEAM LETTER A

Time 0950
mm dd yy

USGS Quad Name: _____

Segment No. Secret Beach ACCESS: Boat Jeep Helicopter

GPS Boundaries 22°13.562'N x 159°25.453'W - ^{WEST end} 22°13.653'N x 159°24.249' ^{EAST}

Type of Oil
 No Oil Stain Buried Tarballs

Area of Stain length: _____ width: _____ ft. Size of Tarballs _____ (dia.)

Location of Oil:
 strand line high tide line low tide line other

Beach Use:
 Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 20 Other: _____

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other _____

Meteorologic Data Air Temp: 81 (F) Wind Speed 15 knots
Visibility Cloudy Precipitation: Y N Wind Direction: SE NE
Average Surf Height 3-5 ft. Swell Height 3 ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals

Birds: Shorebird Seabird Waterfowl Terrestrial birds

Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: _____



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

TESORO

Date 9-17 98 24 hrs.

TEAM LETTER 4

Time 1651
mm dd yy

USGS Quad Name: _____

Segment No. Makahewa Point ACCESS: Boat Jeep Helicopter

GPS Boundaries 21° 52' 13.5" D x 159° 26' 43.0W 21° 53' 21.6N

Type of Oil No Oil Stain Buried Tarballs 159° 25' 10.3W

Area of Stain length: _____ width: _____ ft. Size of Tarballs _____ (dia.)

Location of Oil: strand line high tide line low tide line other

Beach Use: Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 0 Other: ~~5~~

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other _____

Meteorologic Data Air Temp: 84 (F) Wind Speed 20 knots
Visibility Cloudy Precipitation: Y N Wind Direction: E
Average Surf Height _____ ft. Swell Height 1-3 ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals

Birds: Shorebird Seabird Waterfowl Terrestrial birds

Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: _____

DC2 Rico Lucchetti patrolled area on foot
9-14-98. ONLY endpoints were assessed 9-17



SCAT Shoreline Data Sheet

TESORO SPM HOSE SPILL

TESORO

Date 9-17-95 24 hrs.

TEAM LETTER 4

Time 1625
mm dd yy

USGS Quad Name: _____

Segment No. Poipu City Beach ACCESS: Boat Jeep Helicopter

GPS Boundaries West End 21°52'44.3N x 159°27'21.9W - 21°52'10.7N

Type of Oil No Oil Stain Buried Tarballs 159°27'22.1W

Area of Stain length: _____ width: _____ ft. Size of Tarballs _____ (dia.)

Location of Oil: strand line high tide line low tide line other

Beach Use: Hotel Beach State Beach Pocket Beach Surfing Swimming Sun Bathing

No. of people present: 50 Other: _____

Shore type: sand gravel cliff basalt bench seawalls/piers
wetland reef other _____

Meteorologic Data Air Temp: 83 (F) Wind Speed 20 knots
Visibility Cloudy Precipitation: Y N Wind Direction: E
Average Surf Height _____ ft. Swell Height _____ ft.

WILDLIFE:

Seaturtles Whales Dolphins Seals
Birds: Shorebird Seabird Waterfowl Terrestrial birds
Seabirds / Shorebird Activity: flying diving resting running swimming

Impacted Wildlife Y N Comments: _____
