PLANNING DEPARTMENT - PLANNING COMMISSION

COUNTY OF HAWAII
Hilo, Hawaii

PERMIT NO. 81-07

SPECIAL MANAGEMENT AREA MINOR PERMIT

The Planning Director completed on May 19, 1981 an assessment on the application of The State Natural Area Reserve System Commission of the State DLNR. for a Special Management Area (SMA) Minor Permit pursuant to Section 9.7.C, Rule No. 9 of the Planning Commission Rules Relating to Administrative Procedures, as amended. The permit request is for: the subdivision of land in Kaulanamauna, South Kona and Manuka, Ka'u, Hawaii. The subject properties extend from the Mamalahoa Highway to the shoreline below the Manuka State Park site and are identified as Tax Map Key 8-9-06:17 and 9-1-01:03.

As indicated on the attached report, the Director finds that the proposed development is:

(1) not in excess of $25,000; and

(2) will not significantly affect the SMA.

Therefore, with the concurrence of the Chief Engineer, the Director hereby grants to the applicant a minor permit under the authority vested in him by Section 9.7.C of said Rules, with the following condition(s) that: all other applicable rules, regulations and requirements are complied with.

for Chief Engineer, DPW

Planning Director

Attachment

P.D. 12/75

PLANNING DEPARTMENT

25 AUPUNI STREET • HILO, HAWAII 96720

COUNTY OF HAWAII

HERBERT T. MATAYOSHI
Mayor

SIDNEY M. FUKE
Director

DUANE KANUHA
Deputy Director

April 8, 1981

Mr. Robert Lee, Executive Secretary
Natural Area Reserves System
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Lee:

SMA Permit Application
Rule 9, Planning Commission

Enclosed for your information and use are copies of application forms for an SMA permit and a copy of Rule 9, of our Planning Commission.

As mentioned in telephone conversation between yourself and Virginia Goldstein of my staff, the SMA provisions are applicable only under the following conditions:

1. That the subdivision is for the purposes of conveying interest or title in the land and new tax map parcels are created.

2. If the subdivision involves the creation of lots less than 20 acres in size (see Rule 9, Definitions, "Development" A (iii) and B (xi).

3. These lots fall within the Special Management Area.

Our review indicates that Manuka is the only area which may require an SMA permit.

Should you have any questions, please do not hesitate to contact our office.

Sincerely,

Duane Kanuha

Sidney M. Fuke
Director

VKG:gs
Encs.

COUNTY OF
HAWAII

PLANNING DEPARTMENT

25 AUPUNI STREET • HILO, HAWAII 96720

HERBERT T. MATAYOSHI
Mayor

SIDNEY M. FUKE
Director

DUANE KANUHA
Deputy Director

July 23, 1980

Mr. Robert Lee
Department of Land and
Natural Resources
State of Hawaii
P. O. Box 621
Honolulu, HI 96809

Dear Mr. Lee:

Special Management Area (SMA) Use Permit for
Designation of Natural Area Reserves
County of Hawaii

This is to acknowledge receipt of your letter of July 17, 1980, requesting a determination as to the applicability of SMA permit requirements for the designation of land as Natural Area Reserves within the County of Hawaii.

Please be informed that the designation of Natural Area Reserves for management purposes does not constitute a "development" under the definition of Rule 9 of the Planning Commission Relating to Special Management Areas, and therefore is exempt from review under the SMA permit procedures.

For your information, the makai portions of the proposed Puu O Umi, Manuka and Kipahoehoe Natural Area Reserves are within the County's SMA. Should any future development activities be proposed in these areas, please contact this Department as to the applicability of the SMA Rules and Regulations.

Should you have any further questions on this matter, please feel free to contact Wally Matsunami or William Moore of my staff at 961-8288.

Sincerely,

SIDNEY FUKE
Planning Director

OWM/WLM:wkm

EDUARDO E. MALAPIT
MAYOR

BRIAN K. NISHIMOTO
PLANNING DIRECTOR

AVERY H. YOUN
DEPUTY PLANNING DIRECTOR

TELEPHONE 245-3919

COUNTY OF KAUAI

PLANNING DEPARTMENT

4280 RICE STREET
LIHUE, KAUAI, HAWAII 96766

May 14, 1979

Mr. Robert Lee
Department of Land & Natural Resources
Natural Area Reserves System Commission
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Lee:

Upon review of Regulation 10, it appears that restrictions imposed through the Natural Area Reserves System permitting only walking, observing, nature study, and involving no development or harmful changes to the natural environment are considerably more severe and restraining than those of our "Rules and Regulations Related to Environmental Shoreline Protection of the County of Kauai." Hence, this is to confirm your determination that the establishment of Natural Area Reserves is exempt from the provisions of our "Rules and Regulations Related to Environmental Shoreline Protection of the County of Kauai."

Sincerely,

Brian Nishimoto

BRIAN NISHIMOTO
Planning Director

Regarding SMA requirements, the County of Kauai has declared that NAR establishment is exempt from its SMA regulation. The County of Hawaii has stated that portions of Puu O Umi, Kipahoehoe and Manuka are in the SMA zone. Manuka, because of subdivision to less than 20 acres, is the only one that requires a permit, which is attached.

Public hearing minutes and notices associated with these recommendations were submitted earlier with CDUA SH-3/9/81-1340.

Robert Lee

Robert Lee

Attachments:
1. 12 copies of CDUA with Attachments A-C.
2. County of Kauai SMA exemption letter.
3. County of Hawaii SMA permit for Manuka.

GEORGE R. ARIYOSHI
GOVERNOR OF HAWAII

SUSUMU ONO, CHAIRMAN
BOARD OF LAND & NATURAL RESOURCES

EDGAR A. HAMASU
DEPUTY TO THE CHAIRMAN

DIVISIONS:
AQUACULTURE DEVELOPMENT PROGRAM
AQUATIC RESOURCES
CONSERVATION AND RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

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

November 25, 1981

SH/1439

Rec'd Plng. Ofc 12/1/81
By
Gordon
Aki
Estella
Roger
Four
Len
File in
Return to

MEMORANDUM

TO: Planning Office

FROM: NARS

SUBJECT: CDUA Requesting Establishment of Natural Area Reserves on Hawaii and Kauai

The attached CDUA (12 copies, each with Attachments A, B, and C) is to establish five Natural Area Reserves, as recommended by the Natural Area Reserves System Commission, pursuant to Chapter 195, HRS:

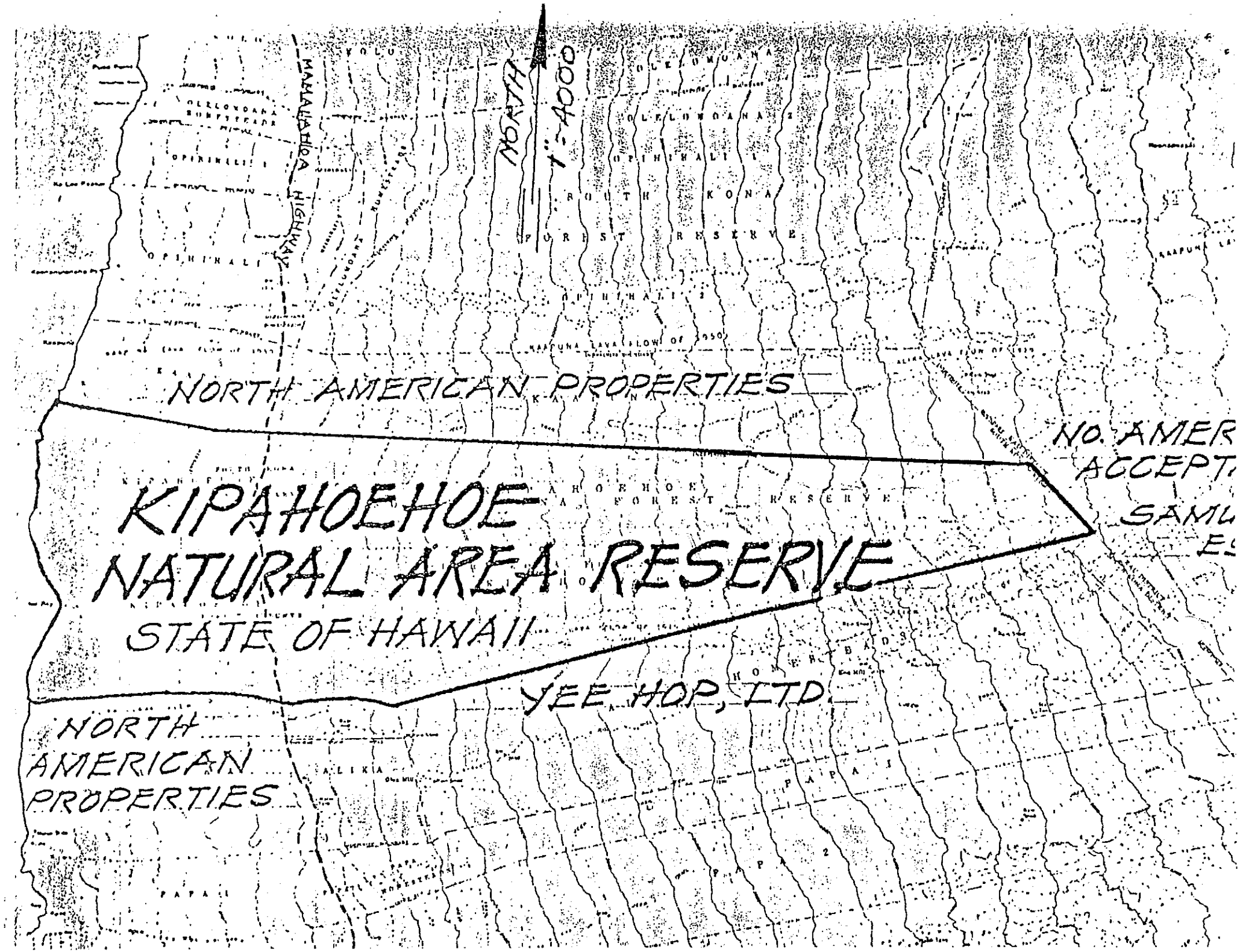
Hawaii

1. Puu O Umi
2. Laupahoehoe
3. Manuka
4. Kipahoehoe

Kauai

5. Hono O Na Pali

This is a CDUA resubmittal of the five areas. They were withdrawn from an earlier CDUA (File No. SH-3/9/81-1340) to resolve a request by Division of Forestry and Wildlife to add another section to the Laupahoehoe recommendation on condition a spur road may be built, and to resolve the marine fishing activity concern of the Division of Aquatic Resources in the other four recommendations. The NARS Commission has responded by approving the Division of Forestry and Wildlife's conditional request and has resolved the Division of Aquatic Resource's concern by approving a special permit that will allow shore camping with a tent and campfires. They are dealt with in the CDUA.


NORTH
1" = 4000'
MAMALAHOA HIGHWAY
OLELOMOANA
OPIHIALI
SOUTH KONA
FOREST RESERVE
NORTH AMERICAN PROPERTIES
KIPAHOEHOE
NATURAL AREA RESERVE
STATE OF HAWAII
YEE HOP, LTD
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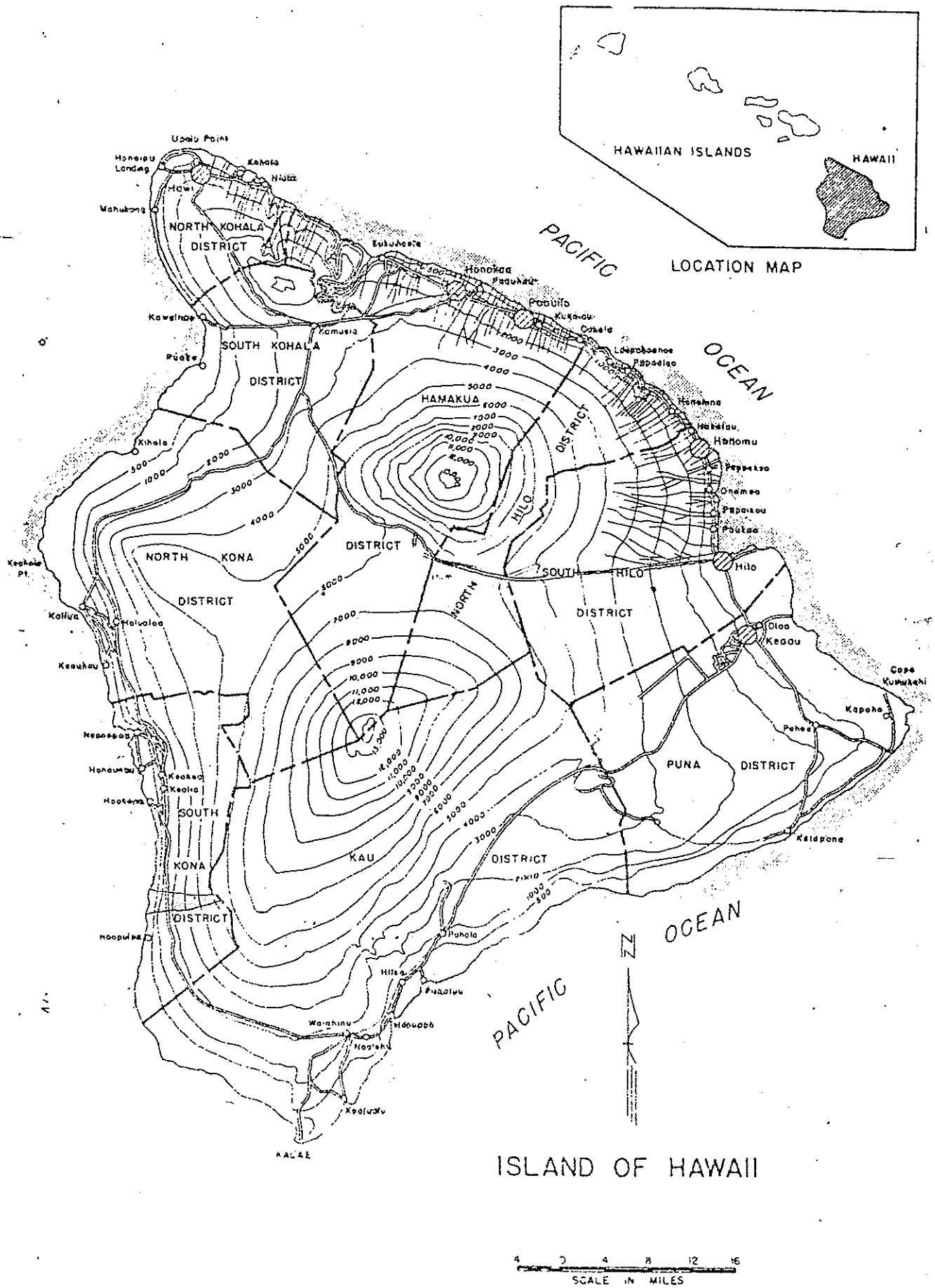

HAWAIIAN ISLANDS
HAWAII
LOCATION MAP
PACIFIC
OCEAN
NORTH KOHALA DISTRICT
SOUTH KOHALA DISTRICT
HAMAKUA DISTRICT
HILO DISTRICT
NORTH HILO DISTRICT
SOUTH HILO DISTRICT
NORTH KONA DISTRICT
SOUTH KONA DISTRICT
KAU DISTRICT
PUNA DISTRICT
Upolu Point
Honoipu Landing
Kawaihae
Puako
Kiholo
Keahole Pt.
Kailua
Kaloaloa
Keauhou
Honaunau
Hookena
Hoopuloa
Honokaa
Paauhau
Pepeekeo
Onomea
Papaikou
Paukaa
Hilo
Olaa
Keaau
Cape Kumukahi
Kapoho
Pohoiki
Kalapana
Punaluu
Waiohinu
Hoopuloa
Hoeaeae
Kaalaea
ISLAND OF HAWAII
SCALE IN MILES

forming a dense (70-100%) canopy. Makai of this rainforest is a mixed mesophytic forest, which is somewhat disturbed with koa haole (Leucaena), guava (Psidium), and Lantana. The rainfall here is about 45 inches. From this drier forest to the coast is barren lava.

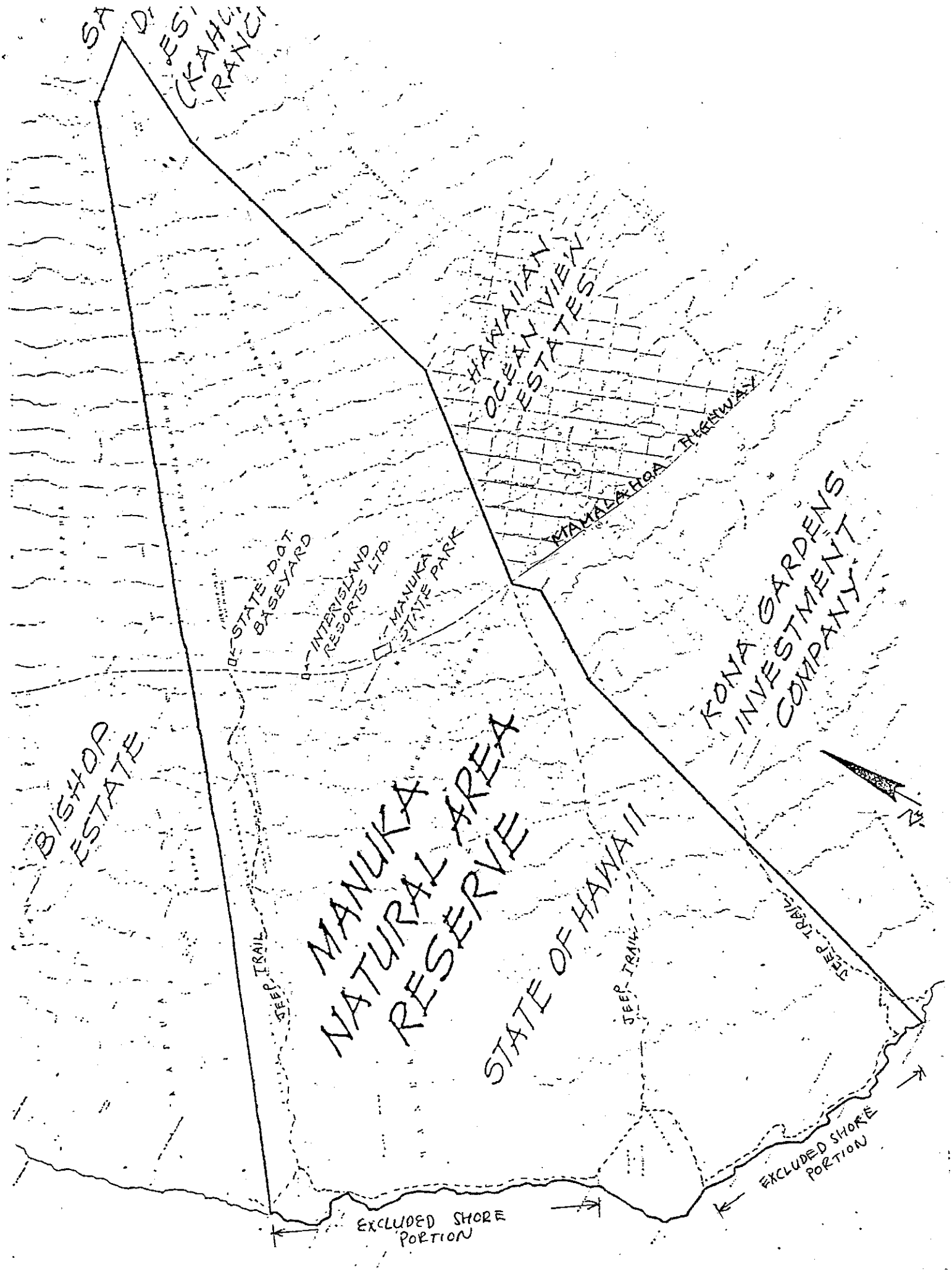
KIPAHOEHOE NATURAL AREA RESERVE

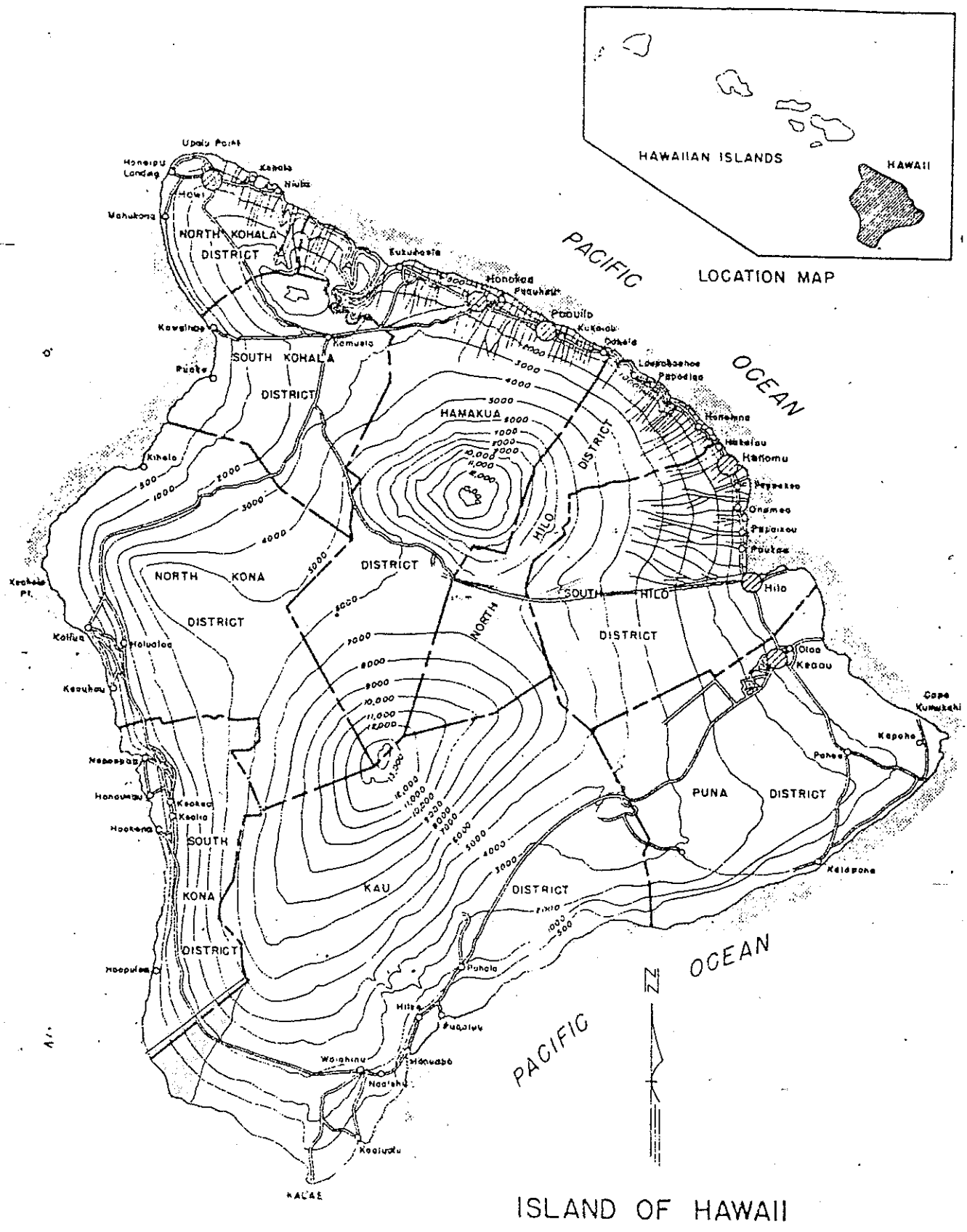
LOCATION: Hawaii, southwest slope of Mauna Loa from the 5,600 ft. elev. to the Kona Coast.

APPROXIMATE SIZE: 5,670 acres, 2 X 7 miles.

ADMINISTRATIVE INFORMATION: It is in the Protective Subzone of the Conservation District. It consists of the state-owned 4,460 acre Kipahoehoe section (TMK 8-8-01:5, 6) of the South Kona Forest Reserve and unencumbered state lands of 1,080 acres makai (TMK 8-8-01:7) and 130 acres mauka (TMK 8-8-01:10). Surrounding lands are agricultural that are privately owned by North American Properties, Yee Hop, Ltd., North American Acceptance Corp., and Samuel M. Damon Trust Estate (Kahuku Ranch). An unimproved road from the nearby homesteads of Alika and Papa enters Kipahoehoe for a short distance. The road originates from the Mamalahoa Highway, which transects the lower part of Kipahoehoe at about the 1,500 ft. elev.

NATURAL AREA DESCRIPTION: There are three types of native ecosystems in the land of Kipahoehoe. A koa-'ōhi'a rainforest occurs in the wetter (75 inches annual rainfall) mauka portion. The koa (Acacia) and 'ōhi'a-lehua (Metrosideros) trees are well-developed and form a moderate (40-70%) crown cover. At the middle section of Kipahoehoe, koa trees are less abundant and the ecosystem is an 'ōhi'a rainforest. The 'ōhi'a-lehua trees here are also large,


HAWAIIAN OCEAN VIEW ESTATES
MAMALAHOA HIGHWAY
KONA GARDENS INVESTMENT COMPANY
STATE D.O.T. BASEYARD
INTERISLAND RESORTS LTD
MANUKA STATE PARK
BISHOP ESTATE
MANUKA NATURAL AREA RESERVE
STATE OF HAWAII
JEEP TRAIL
JEEP TRAIL
JEEP TRAIL
EXCLUDED SHORE PORTION
EXCLUDED SHORE PORTION


HAWAIIAN ISLANDS
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PACIFIC
OCEAN
NORTH KOHALA DISTRICT
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KAU DISTRICT
PUNA DISTRICT
Upolu Point
Honoipu Landing
Kapaau
Hawi
Mahukona
Kawaihae
Puako
Kamuela
Kiholo
Honokaa
Paauhau
Paauilo
Kukaiau
Pohakea
Laupahoehoe
Papaikou
Hakalau
Hilo
Onomea
Pepeekeo
Kealakekua
Kailua
Holualoa
Kealakekua Pt.
Honaunau
Napoopoo
Hookena
Keaiou
Keaiou
Hoopuloa
Ka'u
Pahala
Naalehu
Waiohinu
Hilea
Puueo
Kaalualu
Kalae
Olaa
Keaau
Pahoa
Kapoho
Cape Kumukahi
Kalapana
N
ISLAND OF HAWAII
SCALE IN MILES

Hawaiian Ocean View Estates leading from the Mamalahoa Highway abut the mauka section of the southeast side of Manuka. Within Manuka, a jeep trail extends from the highway to the coast where it branches and parallels the shoreline. The jeep trail provides access to the remote coast for recreational fishing, which usually involves overnight camping along the shore. To allow tenting to continue, the makai boundary of the natural area reserve would exclude those shore areas where the jeep trail generally parallels and hugs the shoreline. The jeep trail system throughout the proposed reserve is also excluded.

NATURAL AREA DESCRIPTION: Occupying most of the upper and middle sections is an 'ōhi'a rainforest. The 'ōhi'a-lehua (Metrosideros) trees are well-developed, forming a dense forest cover. This area has an annual rainfall of 40-75 inches. At the highest elevation there apparently is a shrub type forest made up of such native species as māmane (Sophora), pūkeawe (Styphelia), 'a'ali'i (Dodonaea), and naio (Myoporum). Between the coastline to about 4 miles mauka, the landscape is of barren lava fields with some grassland. Beyond are dryland sclerophyll and mixed mesophytic forests. The dryland forest is somewhat disturbed with shrubby growths of exotic koa haole (Leucaena), guava (Psidium), and Lantana. The coastal region has pockets of kiawe (Prosopis) ecosystems.

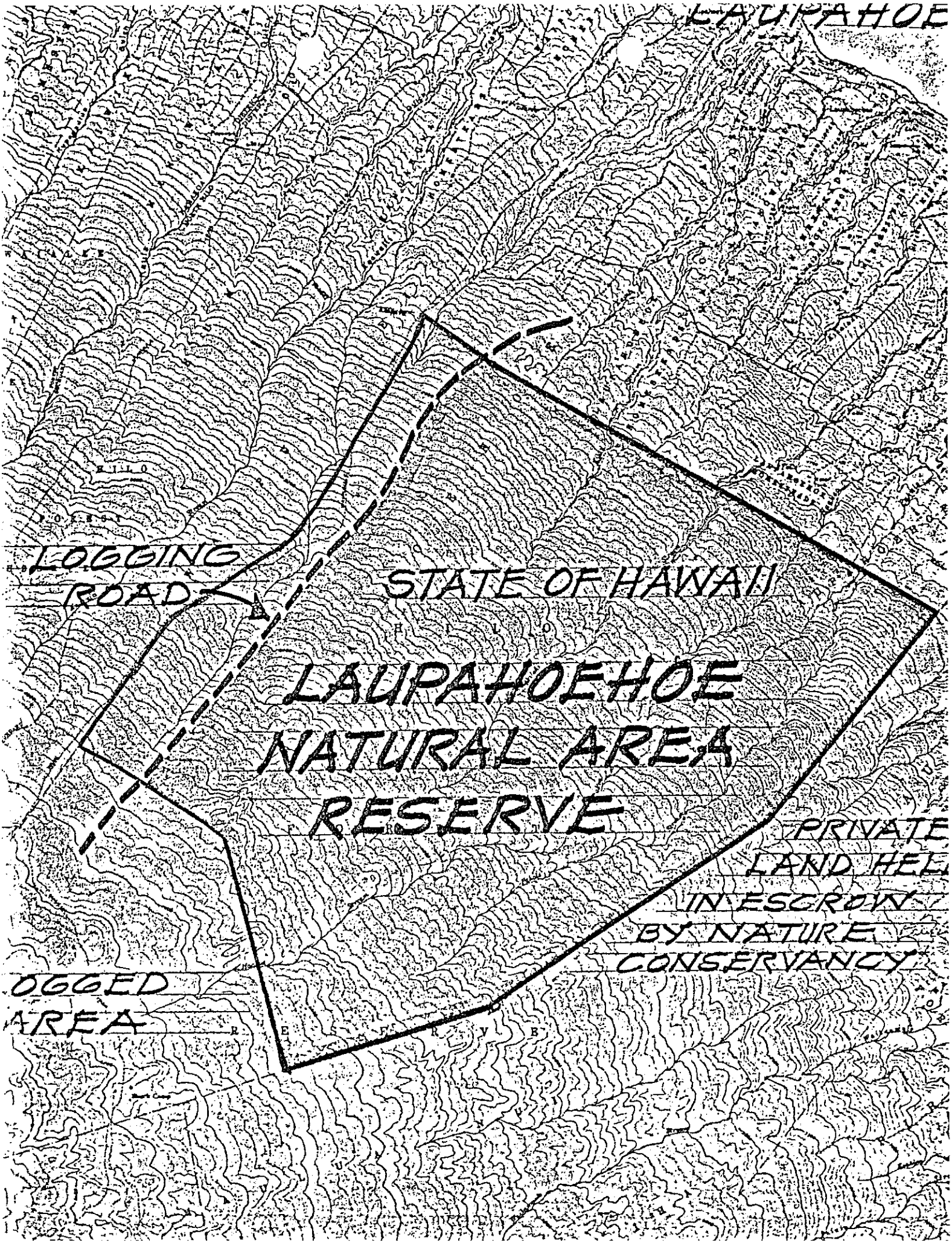
MANUKA NATURAL AREA RESERVE

LOCATION: Hawaii, southwest slope of Mauna Loa from the 5,500 ft. elev. to the Kona Coast.

APPROXIMATE SIZE: 26,181 acres; 7 miles wide at the coast, narrowing to a common apex at 12 miles mauka.

ADMINISTRATIVE INFORMATION: This recommendation is made up of the state lands of Manuka, which is in the Resource Subzone of the Conservation District, and Kaulanamauna, which is in the Agriculture District. The Manuka section (TMK 9-1-01:2) would consist of the South Kona Forest Reserve and unencumbered state land makai to a coastal jeep trail (TMK 9-1-01: portions of 3, 5 and 6, all of 7). The Kaulanamauna section (TMK 8-9-06:1, por. of 2, 14, por. of 17) is a narrow tract adjoining the northwest side of Manuka. Beyond Kaulanamauna is the agricultural land of the "Land of Kapua" owned by Bishop Estate. At the opposite southeast side, Manuka is bounded by private lands of Aldine Mudd, Kona Gardens Investment Co., Hawaiian Ocean View Estates, and Samuel M. Damon Trust Estate (Kahuku Ranch).

Along the Mamalahoa Highway, which transects Manuka at about the 1,700 ft. elev., being excluded are the small (1-13 acres) encumbered sections of Manuka State Park, Interisland Resorts Ltd., and a Highway Maintenance Baseyard of the State Department of Transportation. A road network of the subdivided plots of the


LAUPAHOE
LOGGING ROAD
STATE OF HAWAII
LAUPAHOEHOE NATURAL AREA RESERVE
PRIVATE LAND HEL
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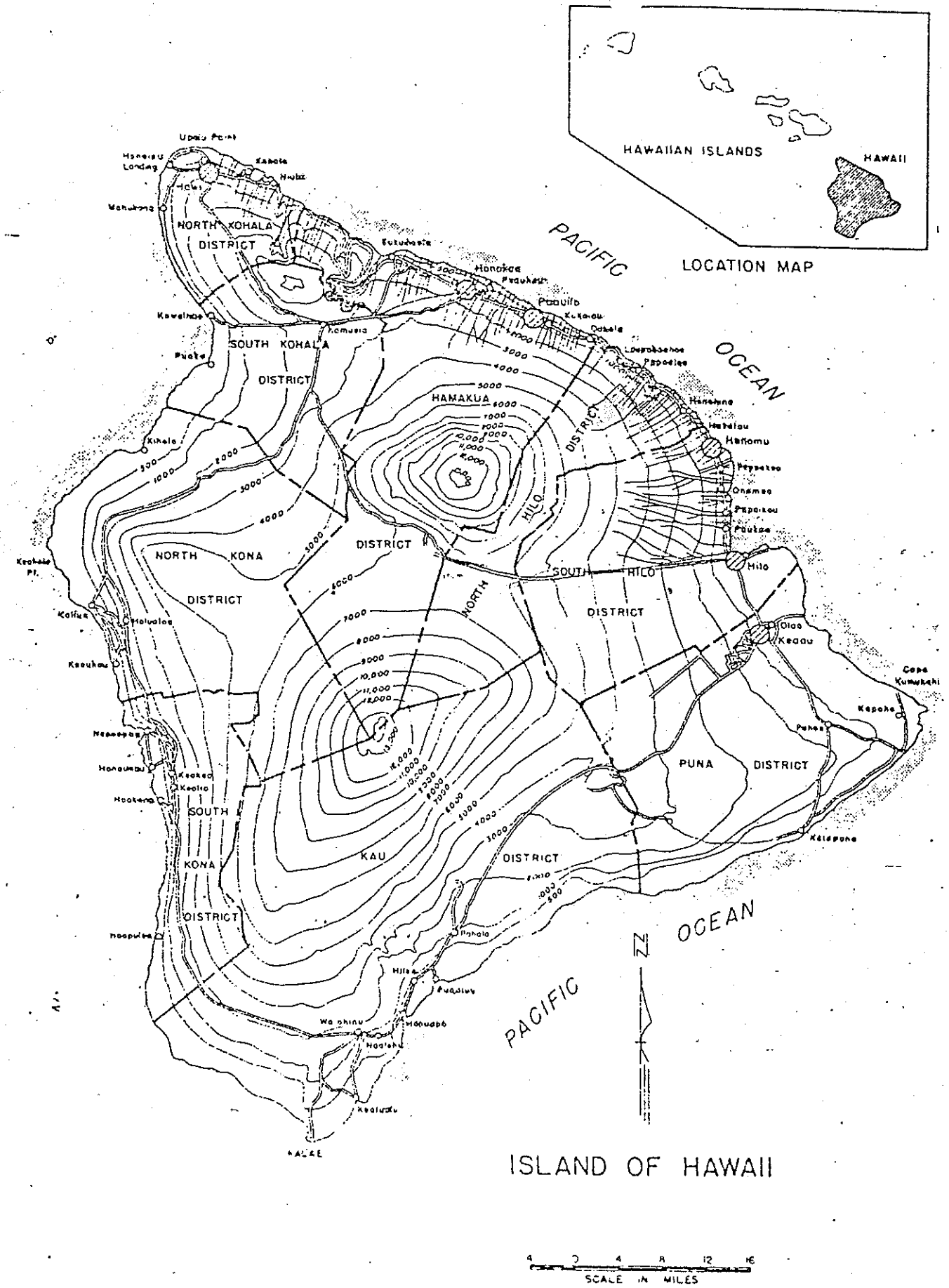
OGGED AREA


HAWAIIAN ISLANDS
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Papaikou
Onomea
Pepeekeo
Hakalau
Honomu
Olaa
Keaau
Pahala
Ka Lae
ISLAND OF HAWAII
SCALE IN MILES

by the same company logging Laupahoehoe. The Natural Area Reserves System Commission has approved the spur access in the proposed reserve.

This area is apparently the major contributor to the spring outflow located in the Manowaiopae Stream course about two miles below the forest reserve boundary. The springs are the domestic water source for the towns of Laupahoehoe and Papaaloa and smaller residential areas.

NATURAL AREA DESCRIPTION: The ecosystem is an 'ōhi'a rainforest somewhat representative of the vegetation on the northeast slope of Mauna Kea. "Ōhi'a-lehua (Metrosideros) and a few scattered large koa (Acacia) form a moderate to nearly dense tree canopy over a thick undergrowth of hāpu'u (Cibotium) and other associated native plants. Introduced species are well established in the more open areas. They include black berry (Rubus), banana poka (Passiflora), and various grasses and herbaceous shrubs.

The habitat has a tradewind exposure, and receives an average annual rainfall of 100-150 inches with the heavier precipitation at the lower section. Fog is of frequent occurrence. Most of the soil is of fine textured humic latosols. Three prominant water courses are the Pahale, Haakoa, and Kaiwilahilahi. This rainforest region appears to be a regulatory agent influencing the stream flow of the various waterways that extend to the ocean through developed areas. As noted above, springs below this area are tapped for domestic use.

According to a plant survey made in 1970, there are at least 21 native species of trees and saplings (working file).

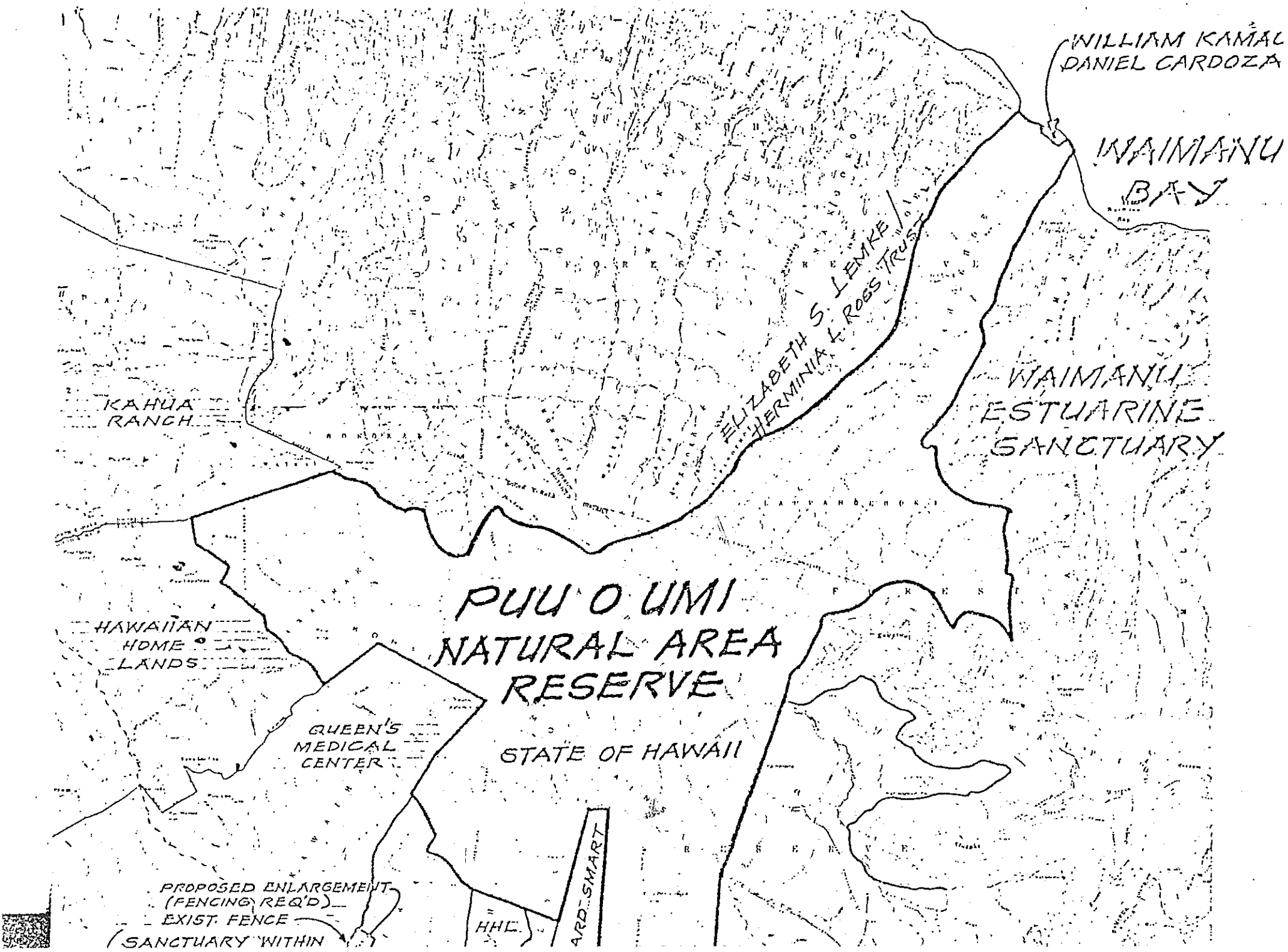
LAUPAHOEHOE NATURAL AREA RESERVE

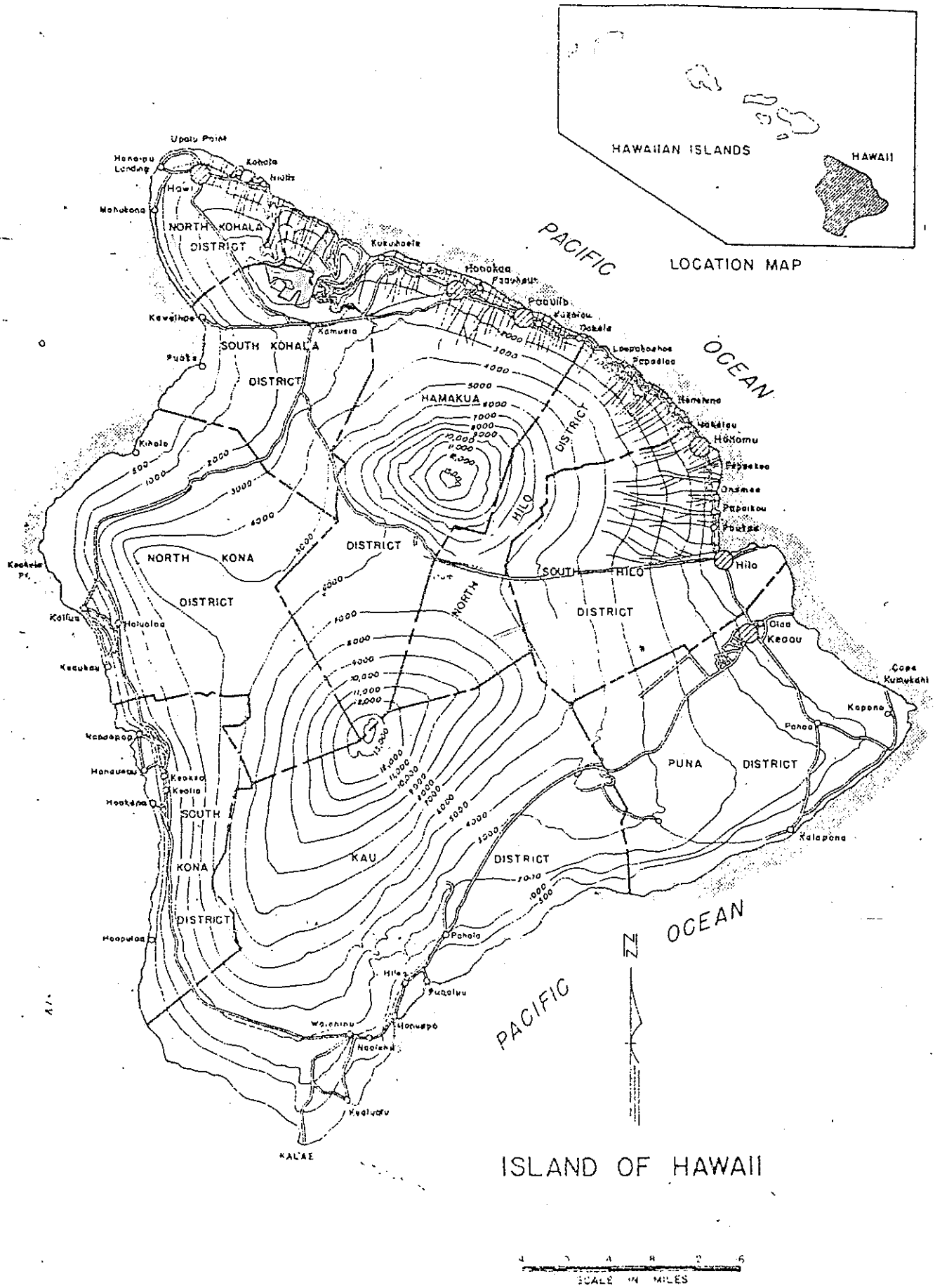
LOCATION: Hawaii, Hamakua Coast, from the 1,700-2,120 ft. elev. mauka to the 4,520 and 4,680 ft. elev.

APPROXIMATE SIZE: 9,030 acres; 3 X 4 miles.

ADMINISTRATIVE INFORMATION: This parcel is in the Conservation District. It includes the largest of three Protective Subzone areas in the predominantly Resource subzoned Hilo Forest Reserve. It is part of the state's (TMK 3-7-01: por. of 2) 12,373 acre Laupahoehoe section of the forest reserve. The proposed mauka boundary would be next to a logged section and makai would be the Laupahoehoe Homesteads. The northeast side would be next to the 6,300 acre land of Maulua, most of which is now under the ownership of the Nature Conservancy, a national, non-profit organization involved in natural environment preservation. At the opposite, or northwestern side, the proposed reserve would be next to the land of Waipunalei owned by Richard Smart (Parker Ranch).

A dirt road accessible from the town of Laupahoehoe extends into the proposed reserve and eventually meets the Keanakolu Road at the 6,000 ft. elev. Construction of the road began in 1969 to gain access to a koa harvesting operation in the mauka area of the Laupahoehoe section of the forest reserve. A spur road may be constructed at about the 3,000 ft. elev. to provide access to the abutting land of Waipunalei, where koa harvesting is anticipated


WILLIAM KAMAL
DANIEL CARDOZA
WAIMANU BAY
ELIZABETH S. LEMKE
HERMINIA L. ROBS TRUST
WAIMANU ESTUARINE SANCTUARY
KAHUA RANCH
PUU O UMI NATURAL AREA RESERVE
STATE OF HAWAII
HAWAIIAN HOME LANDS
QUEEN'S MEDICAL CENTER
ARD-SMART
HHC
PROPOSED ENLARGEMENT (FENCING REQ'D)
EXIST. FENCE
SANCTUARY WITHIN



ISLAND OF HAWAII

would be the headwaters of Waihilau and Waiilikahi Streams, which are major tributaries of Waimanu Stream. The adjoining Waimanu Valley and its stream will soon be declared an Estuarine Sanctuary under the National Coastal Zone Management Act.

The Kohala-Waimea and Kawaihae-Waimea Roads are about 1½ miles away in a route roughly parallel to the south boundary. Waiaka, Waimea, and the Waimea Homesteads are situated along the Kawaihae-Waimea Road. Dirt roads and jeep trails along pipelines and the Kehena and Upper Hamakua Ditches would approach and skirt the southeast and southwest sections of the proposed natural area reserve. Within the proposed reserve, topographic charts show a 5-mile foot trail from the Kehena Ditch road at the 4,400 ft. elev. leading to abandoned camps of the U. S. Geological Survey at the 3,000 and 2,400 ft. elev.

NATURAL AREA DESCRIPTION: It contains one of the bog ecosystems present on the cloud-shrouded high areas of the Kohala Mountains, where the annual rainfall is 175 inches. Montane bog ecosystems of any significance occur at only two other areas in the state: Mt. Waialele on Kauai and the West Maui Mountain. The Kohala bog has a ground-cover vegetation of Sphagnum moss, the moss that forms peat bogs on the continents. Many species of ferns, grasses, sedges, and herbs are also present. Tree growth, dominated by 'ōhi'a-lehua (Metrosideros), alani (Pelea), and 'ōlapa (Cheirodendron), is usually stunted and sparsely distributed. Makai of the bog region is an 'ōhi'a rainforest ecosystem. A mixed hala forest is present at the coastal region.

As a natural area reserve, there would not only be added protection and preservation of the Kohala Watershed and the head waters of Kawainui, Alakahi, Honokane Nui, and Kohakohau Streams, whose water resources are tapped in the low reaches, but equally protected

PUU O UMI NATURAL AREA RESERVE

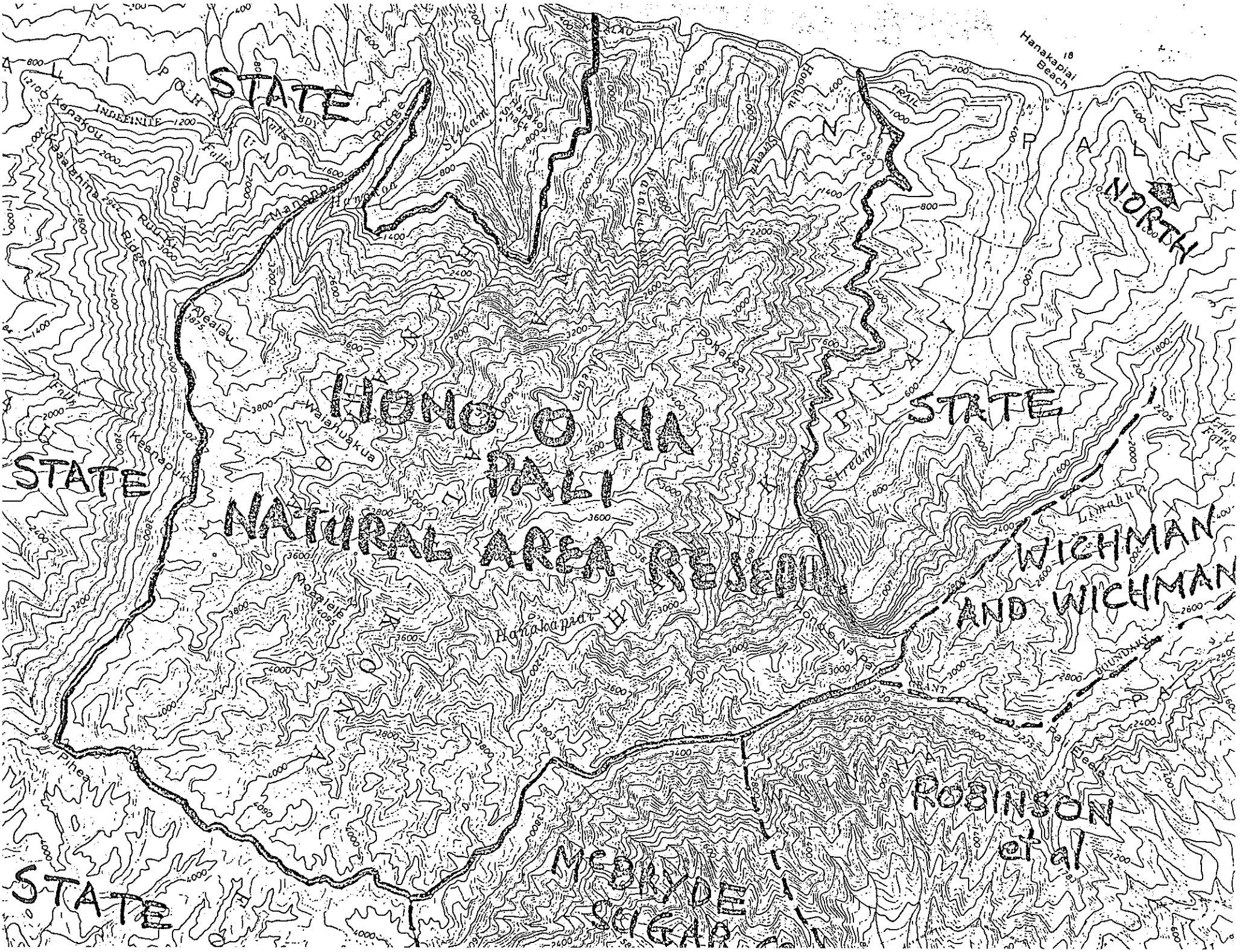
LOCATION: Hawaii, in the Kohala Mountains where it is peaked by Puu O Umi at the 5,260 ft. elev. and seaward to the Hamakua Coast.

APPROXIMATE SIZE: 10,182 acres; 1 to 5 X 9 miles.

ADMINISTRATIVE INFORMATION: It is in the Conservation District's Protective Subzone in the 32,000-acre Kohala Forest Reserve. It would include most of the western portion of the Kohala Watershed and all the land of Laupahoehoe I makai. The land is owned by the state (portion of TMK 4-9-13:1; portion of 6-1-01:1; 6-2-01:1, 2; portions of 6-3-01:2, 4, 5, 7). The TMK 6-3-01 parcels are indicated as being assigned to Hawaiian Home Lands, but their exchange for state land elsewhere was approved by the Hawaiian Home Lands Commission in 1977.* Adjoining lands are owned by the state (in forest reserve and an estuarine sanctuary), Department of Hawaiian Home Lands, Queen's Medical Center, Richard Smart (Parker Ranch), and William Kamau/Daniel Cardoza. Water Resource facilities and projects, such as the Kohala Ditch and Tunnel, Kehena Ditch, Upper Hamakua Ditch, intakes, diversion dams, and the proposed Kohakohau Dam, have been excluded from the proposed boundaries.

---

*The approved exchange may, in fact, be inconsequential. In the tax maps, the TMK 6-3-01 parcels are identified as "Hawaiian Home Land (State of Hawaii) Resolution 26". However, Hawaiian Home Land Commission Resolution 26, 1932, deals with TMK 6-4-01 parcels in the Puukapu Homesteads. Also, the TMK 6-3-01 parcels were in the Kohala Forest Reserve by 1913, seven years before the Hawaiian Home Lands Commission Act of 1920, which excluded forest reserve land from "available lands".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HONOLIA
NATURAL AREA RESERVE
WICHMAN
AND WICHMAN
ROBINSON
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McBRYDE
SUGAR CO
NORTH
Hanakapiai
Beach
Hanakapiai
Waialua
Kaaalanina
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Kanaeo
Ridge
Manoa
Waialua
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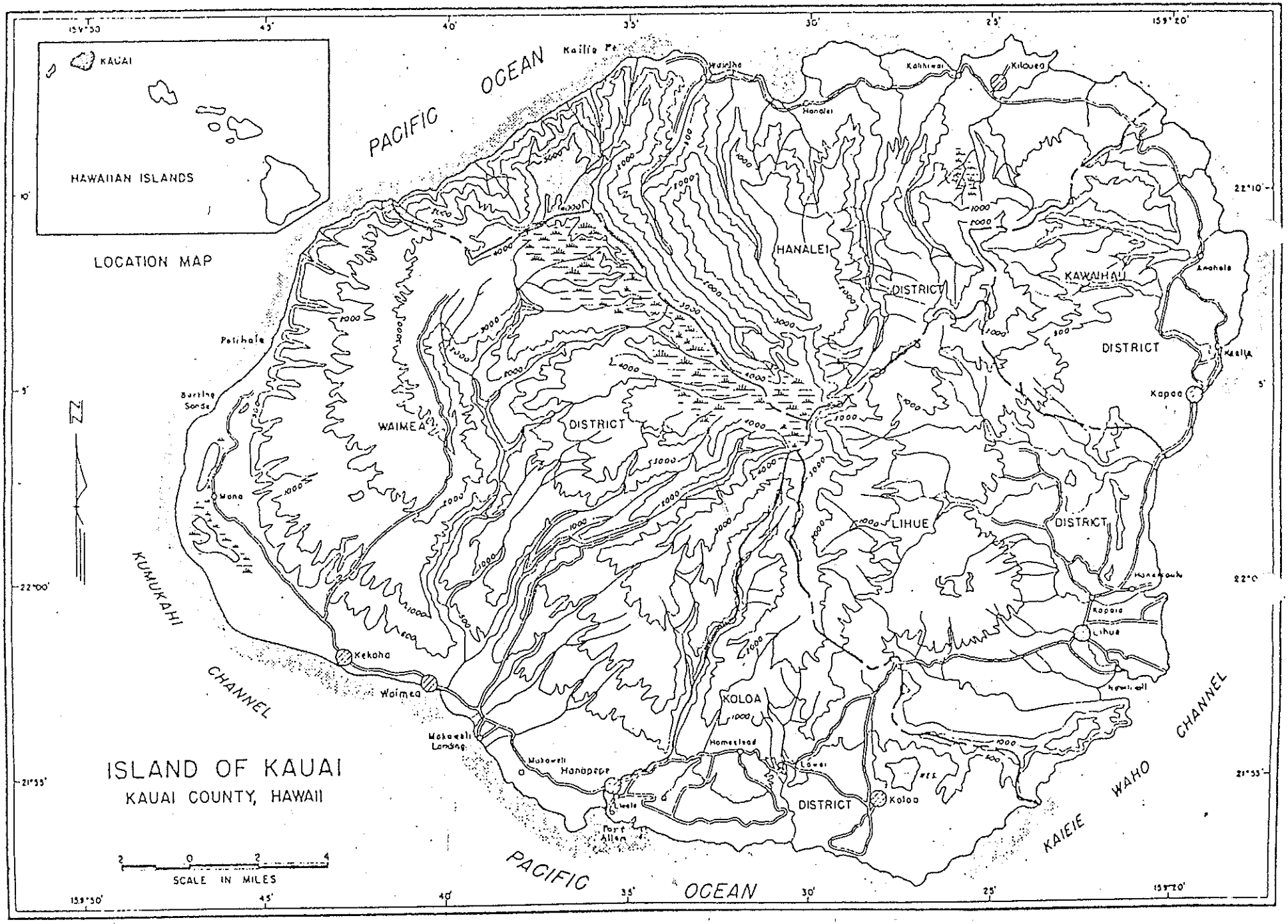

ISLAND OF KAUAI
KAUAI COUNTY, HAWAII
LOCATION MAP
KAUAI
HAWAIIAN ISLANDS
PACIFIC OCEAN
KUMUKAHI CHANNEL
KAIEIE WAHO CHANNEL
WAIMEA DISTRICT
HANALEI DISTRICT
KAWAIHAU DISTRICT
LIHUE DISTRICT
KOLOA DISTRICT
Kalalau
Kahiwai
Kilauea
Hanalei
Anahola
Kealia
Kapaa
Lihue
Hanamaulu
Kapaia
Hanapepe
Koloa
Lawai
Homestead
Makaweli
Waimea
Kekaha
Mana
Polihale
Burning Sands
Port Allen
SCALE IN MILES
2 0 2 4

(Pandanus), pāpala (Charpentiera), 'ōpelu (Lobelia), 'ōha (Cyanea), aloalo (Hibiscus), ha'i wale (Cyrtandra), and the rare 'alula (Brighamia), and makou (Peucedanum).

The Hawaiian bat, ope'api'a (Lasiurus), the only land mammal native to Hawaii, is present. Some of the native birds known to inhabit this particular region are the 'ākepa, 'amakihi, 'anianiau, creeper (all four are Loxops), 'elepaio (Chasiempis), 'i'iwi (Vestiaria), white-tailed tropic bird (Phaethon), 'apapane (Himatione), and pueo (Asio). The exotic birds present include the northern cardinal (Cardinalis), spotted dove (Streptopelia), house finch (Carpodacus), melodius laughing-thrush (Garrulax), white-eye (Zosterops), and ricebird (Lonchura).

Four streams and their complete or partial watersheds are present. They are the Hoolulu, Hanakoa, Waiahuakua, and Hanakapiai streams. The Hoolulu Stream flows intermittently and apparently has little aquatic life. The Hanakapiai, at least, contains such faunal species as 'o'opu (e.g. Sicydium, Lentipes), 'ōpae (Atya), hīhīwai (Neritina), snails (Pseudisidora), the Hawaiian damselfly (Megalagrion), and the Hawaiian dragonfly (Nesogonia). Some of the exotic fauna present are the caddisfly (Cheumatopsyche), Tahitian prawn (Macrobachium) and crayfish (Procambarus).

Access is very limited. The only internal trail would be the Kalalau Trail, as it goes through the short coastal portion of the reserve. At the reserve's mauka side, its proposed southwest corner, or Pihea, is the terminus of a trail which starts from the paved road in Kokee State Park.

NATURAL AREA DESCRIPTION: It is a dissected plateau that drains northward from the Alakai Swamp to the imposing cliffs of Na Pali and the coast. The plateau is flanked by the cliffs of Kalalau at the west and by the cliffs of Hanakapiai Stream and Wainiha Pali at the east. A very rugged and isolated area, the 'ōhi'a rainforest ecosystem on the plateau and the mixed mesophytic forest ecosystem on the steeply sloping coastal pali are relatively undisturbed.

'Ōhi'a-lehua (Metrosideros) is the dominant tree of the rainforest. It is especially dense at the higher elevations, where the annual rainfall may exceed 100 inches. In the more open areas of the lower part of the plateau, where the rainfall is 60-70 inches, there is koa (Acacia) and an understory of densely growing uluhe (Dicranopteris). Also present are hinahina-kuahiwi (Artemisia), 'ākoko (Euphorbia), lama (Diospyros), hala pepe (Pleomele), and the rare pōkalakala (Munroidendron). Wet areas of ravines contain such plants as pāpala-kēpau (Pisonia), pāpala (Charpentiera), kaulu (Peteralyxia), loulu (Pritchardia), hō'awa (Pittosporum), and ōpuhe (Urera).

The mixed mesophytic forest is a lowland type containing a variety of native plants. Among those present are hala

Natural Area Reserve Recommendation

NAME OF RESERVE: Hono O Na Pali Natural Area Reserve.

LOCATION: Kauai, Hanalei District; lands of Hanakoa and Hanakapiai, from sea level to the 4,284 foot elevation.

APPROXIMATE SIZE: 3,150 acres; 2.5 X 3 miles.

ADMINISTRATIVE INFORMATION: This recommendation is in the Protective Subzone of the Conservation District, within state-owned land (TMK 5-9-01:1) of the 61,425 acre Na Pali-Kona Forest Reserve. Management would remain with the Division of Forestry. Establishment of a state park along the Na Pali Coast should transfer management of the involved coastal portion of the natural area reserve to the Division of State Parks.

The reserve would be adjacent to state land of the Alakai Swamp at the south (mauka) and other Na Pali-Kona Forest Reserve land at the west. Half of its eastern border would also be against the Na Pali-Kona Forest Reserve, where land ownership is by the state except for a small fraction owned by C. F. Wichman and J. A. Wichman. The other half of this boundary would abut the Halelea Forest Reserve along the Robinson, et al, and McBryde Sugar Co. owned areas. For the proposed makai boundary, the section containing the Hoolulu Stream and Waiahuakua Stream extends to the sea, while the Hanakoa Stream portion stops at the pali, about a three-fourth mile from the coast.

I. Description of Parcel

The five proposed reserves are described in the pages following. More detailed maps, including DAGS survey maps and descriptions, are on file and available for viewing.

II. Description: describe the activity proposed, its purpose and all operations to be conducted.

The establishment of one Natural Area Reserve on Kauai and four on Hawaii, as described in Attachment C, is being requested. As with other Natural Area Reserves, their use would be governed by Chapter 209 of Title 13, Administrative Rules.

The establishment of Natural Area Reserves is mandated by Chapter 195, HRS, for the stated purpose of preserving "...in perpetuity specific land [redacted] and water areas which support communities, as relatively unmodified as possible, of the natural flora and fauna, as well as geological sites, of Hawaii". Pertinent to the establishment process and this CDUA are two major provisions of Chapter 195, HRS:

1. A commission of six scientists and five ex officio members is to recommend to the Department suitable sites for Natural Area Reserve establishment.

2. The Department's set aside of a reserve is subject to approval by the Governor through the issuance of an Executive Order.

Pursuant to these provisions, the following approvals are being sought through this CDUA:

1. Designation of the five Natural Area Reserves as recommended by the Natural Area Reserves System Commission.

2. Preparation of Governor's Executive Orders that would withdraw and set aside the designated land areas for Natural Area Reserve purposes under the control and management of the Department of Land and Natural Resources.

In addition, pursuant to Section 13-209-5, Administrative Rules, approval is being requested for a 2-year special-use permit that will allow tent camping and campfires along the coastal regions of Hono O Na Pali, Kipahoehoe, and Puu O Umi reserves. During the 2-year period, the uses will be monitored to determine their impact on the natural environment. The Natural Area Reserves System Commission approved the permit in response to the Division of Aquatic Resources' concern that coastal fishing activities may be hindered within the boundaries of the reserves.

MANUKA N.A.R.

District:	Kau and South Kona
Island:	Hawaii
County:	Hawaii
Tax Map Key:	9-1-01:2, por. of 3, por. of 5, por. of 6, 7; 8-9-06:1, por. of 2, 14, por. of 17.
Area of Parcel:	26,719 acres
Area of Proposed Use:	26,181 acres
Nearest Town or Landmark:	Papa, 6 miles
Conservation District Subzone:	Resource and Agriculture District
County General Plan Designation:	Open and Conservation

KIPAHOEHOE N.A.R.

District:	South Kona
Island:	Hawaii
County:	Hawaii
Tax Map Key:	8-8-01:5, 6, 7, 10.
Area of Parcel:	5,670 acres
Area of Proposed Use:	5,670 acres
Nearest Town or Landmark:	Papa, 1.5 miles
Conservation District Subzone:	Protective
County General Plan Designation:	Conservation

III. Use Requested--Description of Area

HONO O NA PALI N.A.R.

District:	Hanalei
Island:	Kauai
County:	Kauai
Tax Map Key:	5-9-01:por. of 1
Area of Parcel:	8,344 acres
Area of Proposed Use:	3,150 acres
Nearest Town or Landmark:	Alakai Swamp, adjacent
Conservation District Subzone:	Protective
County General Plan Designation:	Open

PUU O UMI N.A.R.

District:	South Kohala and Hamakua
Island:	Hawaii
County:	Hawaii
Tax Map Key:	4-9-13:por. of 1; 6-1-01:por. of 1; 6-2-01:1, 2; 6-3-01:pors. of 2, 4, 5, 7.
Area of Parcel:	17,206 acres
Area of Proposed Use:	10,182 acres
Nearest Town or Landmark:	Waimanu Valley, adjacent
Conservation District Subzone:	Protective
County General Plan Designation:	Open and Conservation

LAUPAHOEHOE N.A.R.

District:	North Hilo
Island:	Hawaii
County:	Hawaii
Tax Map Key:	3-7-01:por. of 2
Area of Parcel:	12,373 acres
Area of Proposed Use:	9,030 acres
Nearest Town or Landmark:	Laupahoehoe, 2.5 miles
Conservation District Subzone:	Protective and Resource
County General Plan Designation:	Conservation

INFORMATION REQUIRED FOR CONDITIONAL USE ONLY

I. Plans: (All plans should include north arrow and graphic scale).

A. Area Plan: Area plan should include but not be limited to relationship of proposed uses to existing and future uses in abutting parcels; identification of major existing facilities; names and addresses of adjacent property owners. *(See Attachment C, under "Administrative Information".)*

B. Site Plan: Site plan (maps) should include, but not be limited to, dimensions and shape of lot; metes and bounds, including easements and their use; existing features, including vegetation, water area, roads, and utilities. *(See Attachment C)*

C. Construction Plan: Construction plans should include, but not be limited to, existing and proposed changes in contours; all buildings and structures with indicated use and critical dimensions (including floor plans); open space and recreation areas; landscaping, including buffers; roadways, including widths; offstreet parking area; existing and proposed drainage; proposed utilities and other improvements; revegetation plans; drainage plans including erosion sedimentation controls; and grading, trenching, filling, dredging or soil disposal plans. *No construction is involved.*

D. Maintenance Plans: For all uses involving power transmission, fuel lines, drainage systems, unmanned communication facilities and roadways not maintained by a public agency, plans for maintenance shall be included. *There are no facilities requiring maintanence plans.*

E. Management Plans: For any appropriative use of animal, plant, or mineral resources, management plans are required.

No appropriative use of natural resources is involved.

F. Historic or Archaeological Site Plan: Where there exists historic or archaeological sites on the State or Federal Register, a plan must be submitted including a survey of the site(s); significant features; protection, salvage, or restoration plans. *Any historic or archaeological site, whether or not it is or State or Federal Register, will be protected by the NARS rule, Chapter 209.*

II. Subzone Objective: Demonstrate that the intended use is consistent with the objective of the subject Conservation District subzone (as stated in REG. NO. 4).

The establishment of Natural Area Reserves is a permitted use and consistent with the objective of the Protective Subzone and other subzones.

INFORMATION REQUIRED FOR ALL USES

I. Description of Parcel *(See Attachment C)*

A. Existing structures/Use. (Attach description or map).

B. Existing utilities. (If available, indicate size and location on map. Include electricity, water, telephone, drainage, and sewerage).

C. Existing access. (Provide map showing roadways, trails, if any. Give street name. Indicate width, type of paving and ownership).

D. Vegetation. (Describe or provide map showing location and types of vegetation. Indicate if rare native plants are present).

E. Topography; if ocean area, give depths. (Submit contour maps for ocean areas and areas where slopes are 40% or more. Contour maps will also be required for uses involving tall structures, gravity flow and other special cases).

F. If shoreline area, describe shoreline. (Indicate if shoreline is sandy, muddy, rocky, etc. Indicate cliffs, reefs, or other features such as access to shoreline)

G. Existing covenants, easements, restrictions. (If State lands, indicate present encumbrances).

H. Historic sites affected. (If applicable, attach map and descriptions).

II. Description: Describe the activity proposed, its purpose and all operations to be conducted. *(See Attachment B)*

III. Commencement Date: *Not applicable.*

Completion Date: *Not applicable.*

IV. Environmental Requirements

Pursuant to Chapter 343, Hawaii Revised Statutes, and in accordance with Section 1:30b of the EIS Regulations for applicant actions, an Environmental Assessment of the propos use must be attached. The Environmental Assessment shall include, but not be limited to the following:

The Environmental Quality Commission has determined that the establishment of Natural Area Reserves is "exempt class of action", pursuant to Section 1:33 the EIS Regulation.

A. Identification of application;

B. Description of proposed use and statement of objectives;

C. Description of affected environment, including appropriate maps and plans to show location, topography, site improvements, existing utilities and vegetation and archaeological/historical sites, if any. (See Page 3, Section I).

D. General description of the technical, economic, social and environmental characteristics of the proposed use.

NOTE: The Environmental Assessment may be submitted in lieu of the information required above.

DLNR-PO
REV. 1978

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

CONSERVATION DISTRICT USE APPLICATION

(Print or Type)

FOR DLNR USE ONLY

Reviewed by _____
Date _____
Accepted by _____
Date _____
File No. _____
EIS Required _____
PH Required _____

I. LANDOWNER (If State land, to be filled in by Gov't. Agency in control of property).

Name *Dept. of Land and Natural Resources*

Address *1151 Punchbowl St.*

Honolulu, Hawaii

Telephone No. _____

SIGNATURE _____

II. APPLICANT (Omit if applicant is landowner).

Name *Natural Area Reserves System Commission*

Address *1151 Punchbowl St.*

Honolulu, Hawaii

Telephone No. *548-2861*

Interest in Property _____
(Indicate interest in property; submit written evidence of this interest).

SIGNATURE _____

III. USE REQUESTED -- DESCRIPTION OF AREA

District *(See Attachment A)*

Island _____

County _____

Tax Map Key _____

Area of Parcel _____
(Indicate in acres or sq. ft.).

Area of Proposed Use _____
(Indicate in acre sq. ft.).

Name & Distance of Nearest Town or Landmark _____

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

Conservation District District Subzone _____

County General Plan Designation _____

IV. TYPE OF USE REQUESTED (Mark where appropriate).

1. Permitted Use (exception occasiona use): DLNR REG. No. 4, Section __ Subzone *P & R.*

2. Accessory Use (accessory to a permitted use): DLNR REG. NO. 4, Section _____; Subzone _____.

3. Occasional Use: Subzone _____.

4. Temporary Variance: Subzone _____

5. Conditional Use:* Subzone *P & R*.
*Subdivision

V. FILING FEE

1. Enclose $50.00. All fees shall be in the form of cash, certified or cashiers check, and payable to the State of Hawaii.

2. If use is commercial, as defined, submit additional public hearing f of $50.00.

NOTE: Use additional sheets, as necessary, to provide the requied information listed on pages 2 and 3.

GEORGE R. ARIYOSHI
GOVERNOR OF HAWAII

SUSUMU ONO, CHAIRMAN
BOARD OF LAND & NATURAL RESOURCES

EDGAR A. HAMASU
DEPUTY TO THE CHAIRMAN

DIVISIONS:
AQUACULTURE DEVELOPMENT PROGRAM
AQUATIC RESOURCES
CONSERVATION AND RESOURCES ENFORCEMENT
CONVEYANCES
FORESTRY AND WILDLIFE
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

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

January 11, 1982

REF. NO.: CPO-4293
FILE NO.: SH-1439
SUSPENSE DATE:

MEMORANDUM

TO: Fish and Game
Forestry
Land Management
State Parks & Historic Sites
DOWALD

FROM: Planning Office

SUBJECT: Application for Proposed use of State-owned Conservation District Lands, Review for Chairman's Signature

Attached is a copy of an application submitted by Natural Area Reserves System Commission for establishment of five Natural Area Reserves on Kauai and Hawaii on state property identified as Various TMK (see document for locations).

Board action following the approval of Departmental Administrative Rules, Title 13, Chapter 2, as amended, approved on June 22, 1981, requires all applications involving the use of State-owned lands to be signed by the Chairman on behalf of the Board of Land and Natural Resources as landowner. Exceptions to this procedure may occur where the applicant provides evidence indicating interest in the property or proposed site of use in accordance with Section 2 of Chapter 183-41, HRS, as amended.

Consequently, your comments and recommendation on the application with respect to present and future programs for which you are responsible will be forwarded to the Chairman to consider before signing the application. It should be noted that the Chairman's signature on the application is only to comply with CDUA procedures and does not mean the endorsement of the proposed use.

Your cooperation and early response, with the return of all attachments, will be appreciated. Should you have any questions, feel free to contact myself or my staff at 548-7837.

ROGER C. EVANS

Attachment

GEORGE R. ARIYOSHI
GOVERNOR OF HAWAII

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

DIVISIONS:
CONSERVATION AND ENFORCEMENT
CONVEYANCES
FISH AND GAME
FORESTRY
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

January 22, 1982

MEMORANDUM

TO: Planning Office

FROM: Division of State Parks

SUBJECT: CDUA for Five Natural Area Reserves
Ref. No. CPO-4293, File No. SH-1439

State Parks are involved in two of the five natural area reserves; Hono O Na Pali and Manuka Natural Area Reserves.

There is no known conflict of interest between Manuka State Wayside and the natural area reserve and there may be some interpretive opportunities of mutual benefit.

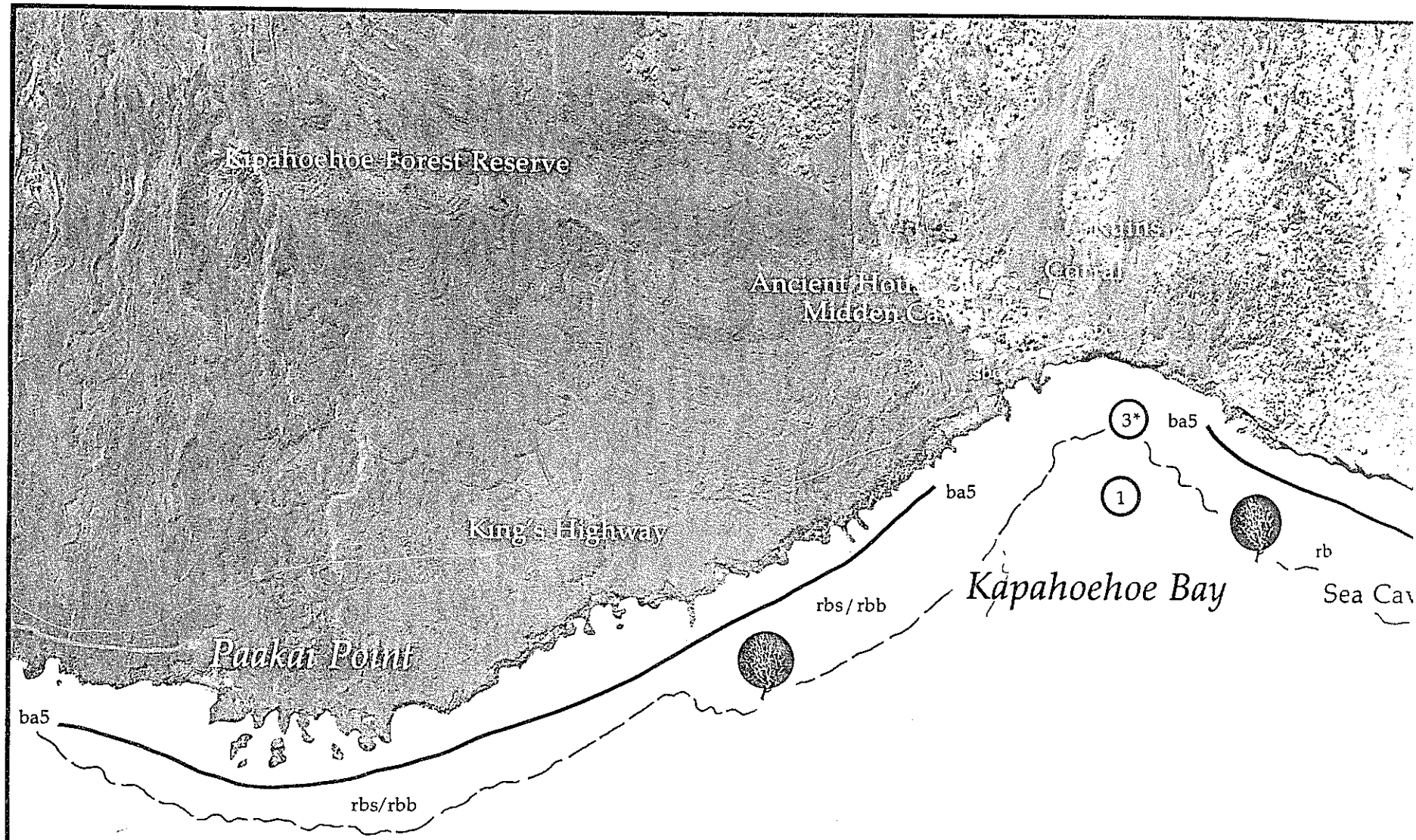
The Hono O Na Pali Natural Area Reserve has been incorporated into the Department's Na Pali Coast Management Plan, which includes the coastal area between Haena and Milolii Valley. This plan assigns the general management responsibility of the natural area reserve below the 1,200 foot elevation to the State Parks Division and the upper portion to the Division of Forestry and Wildlife. Active management is expected to be restricted to the maintenance of the Kalalau Trail however.

In order to preserve the wilderness values and limit user impact on the Na Pali Coast, the management plan restricts camping to designated campgrounds. Campgrounds have been designated on either side of the natural area reserve at Hanakapiai and Hanakoa. We note that Attachment B in the subject application "will allow tent camping and campfires along the coastal regions of Hono O Na Pali". This proposal conflicts with the camping policies established in the management plan, which was reviewed by the public and accepted by the Board of Land and Natural Resources on August 22, 1980. No camping or shore fishing is known to occur along the coast, but we have no objections to the shoreline fishing from palis to the extent this is feasible.

Roy K. C. Sue

ROY K. C. SUE
State Parks Administrator

cc: Div. of F & W
NARS


Kipahoehoe Forest Reserve
Ancient Hou
Midden Ca
Central
King's Highway
Paakai Point
Kapahoehoe Bay
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ba5
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