

1992

United States Department of the Interior  
National Park Service

OCT 7 1992

# National Register of Historic Places Registration Form

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in *How to Complete the National Register of Historic Places Registration Form* (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

### 1. Name of Property

historic name Kalaoa Permanent House Site 10,205

other names/site number 10-27-10,205, HA-D15-12, Reinecke 81, Rosendahl & Kirch 8

### 2. Location

street & number Natural Energy Laboratory of Hawaii  not for publication

city or town Kailua-Kona  vicinity

state Hawaii code HI county Hawaii code 001 zip code N/A

### 3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this  nomination  request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property  meets  does not meet the National Register criteria. I recommend that this property be considered significant  nationally  statewide  locally.  See continuation sheet for additional comments.)

*[Signature]* \_\_\_\_\_  
Signature of certifying official/Title Date

State Historic Preservation Officer  
State of Federal agency and bureau

In my opinion, the property  meets  does not meet the National Register criteria. ( See continuation sheet for additional comments.)

\_\_\_\_\_  
Signature of certifying official/Title Date

\_\_\_\_\_  
State or Federal agency and bureau

### 4. National Park Service Certification

I hereby certify that the property is:

- entered in the National Register.  
 See continuation sheet.
- determined eligible for the National Register  
 See continuation sheet.
- determined not eligible for the National Register.
- removed from the National Register.
- other, (explain): \_\_\_\_\_

Signature of the Keeper

Date of Action

*Janet E. Townsend* 11-21-92

Kalaoa Permanent House Site  
Name of Property

Hawaii, Hawaii  
County and State

**5. Classification**

**Ownership of Property**  
(Check as many boxes as apply)

- private
- public-local
- public-State
- public-Federal

**Category of Property**  
(Check only one box)

- building(s)
- district
- site
- structure
- object

**Number of Resources within Property**  
(Do not include previously listed resources in the count.)

Contributing	Noncontributing	
_____	_____	buildings
1	_____	sites
_____	_____	structures
_____	_____	objects
1	_____	Total

**Name of related multiple property listing**  
(Enter "N/A" if property is not part of a multiple property listing.)

N/A

**Number of contributing resources previously listed in the National Register**

N/A

**6. Function or Use**

**Historic Functions**  
(Enter categories from instructions)

Domestic: Single Dwelling \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Current Functions**  
(Enter categories from instructions)

Vacant / Preserved and Interpreted \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**7. Description**

**Architectural Classification**  
(Enter categories from instructions)

N/A \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Materials**  
(Enter categories from instructions)

foundation \_\_\_\_\_  
walls \_\_\_\_\_  
\_\_\_\_\_  
roof \_\_\_\_\_  
other \_\_\_\_\_  
\_\_\_\_\_

**Narrative Description**

(Describe the historic and current condition of the property on one or more continuation sheets.)

8. Statement of Significance

Applicable National Register Criteria

(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- A Property is associated with events that have made a significant contribution to the broad patterns of our history.
B Property is associated with the lives of persons significant in our past.
C Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
D Property has yielded, or is likely to yield, information important in prehistory or history.

Criteria Considerations

(Mark "x" in all the boxes that apply.)

Property is:

- A owned by a religious institution or used for religious purposes.
B removed from its original location.
C a birthplace or grave.
D a cemetery.
E a reconstructed building, object, or structure.
F a commemorative property.
G less than 50 years of age or achieved significance within the past 50 years.

Areas of Significance

(Enter categories from instructions)

Archaeology: Prehistoric

Period of Significance

Late Prehistory, A.D.

1500s - 1800s

Significant Dates

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

Hawaiian

Architect/Builder

N/A

Narrative Statement of Significance

(Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

Bibliography

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous documentation on file (NPS):

- preliminary determination of individual listing (36 CFR 67) has been requested
previously listed in the National Register
previously determined eligible by the National Register
designated a National Historic Landmark
recorded by Historic American Buildings Survey #
recorded by Historic American Engineering Record #

Primary location of additional data:

- State Historic Preservation Office
Other State agency
Federal agency
Local government
University
Other

Name of repository:

State Historic Preservation Office

Kalaoa Permanent House Site 10,205  
Name of Property

Hawaii, Hawaii  
County and State

**10. Geographical Data**

**Acreage of Property** less than one (1) acre

**UTM References**

(Place additional UTM references on a continuation sheet.)

1	0,4	8,0,8,3,3,0	2,1,8,3,7,5,0
	Zone	Easting	Northing
2			

3			
	Zone	Easting	Northing
4			

See continuation sheet

**Verbal Boundary Description**

(Describe the boundaries of the property on a continuation sheet.)

**Boundary Justification**

(Explain why the boundaries were selected on a continuation sheet.)

**11. Form Prepared By**

name/title Ross Cordy, Head Archaeologist

organization State Historic Preservation Division date November 1988

street & number 33 South King Street, 6th Floor telephone 587-0012

city or town Honolulu state Hawaii zip code 96813

**Additional Documentation**

Submit the following items with the completed form:

**Continuation Sheets**

**Maps**

A **USGS map** (7.5 or 15 minute series) indicating the property's location.

A **Sketch map** for historic districts and properties having large acreage or numerous resources.

**Photographs**

Representative **black and white photographs** of the property.

**Additional Items**

(Check with the SHPO or FPO for any additional items)

**Property Owner**

(Complete this item at the request of SHPO or FPO.)

name Natural Energy Laboratory - State of Hawaii

street & number \_\_\_\_\_ telephone \_\_\_\_\_

city or town Kailua-Kona state Hawaii zip code N/A

**Paperwork Reduction Act Statement:** This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 *et seq.*).

**Estimated Burden Statement:** Public reporting burden for this form is estimated to average 18.1 hours per response including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Projects (1024-0018), Washington DC 20503.

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# National Register of Historic Places Continuation Sheet

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This site is a typical prehistoric permanent habitation site found along the arid lava coastline north of Kailua-Kona in the district of North Kona on the island of Hawai'i. The site consists of four architectural features -- a house platform within a low-walled enclosure, a small platform, a small rectangular midden area with a L-shaped wall, and a larger platform. The site is on the seaward edge of a lava rise overlooking the low coastal dune and the shore. Vegetation is lacking. The site has been dated to the A.D. 1500s-early 1800s. It is in excellent condition, except for the fact that the larger platform seems to have been heavily damaged by waves between 1975-1984. The site has been set aside for preservation.

The site is in the traditional community land (ahupua'a) of Kalaoa 5, within the borders of today's Natural Energy Laboratory of Hawaii (NELH)(Figs. 1-3). The coastal areas of Kalaoa are barren, rolling pahoehoe lava with a sand strip (low dune) along a rocky shore. But, the ahupua'a extends inland several miles up onto the slopes of Mount Hualalai, where rainfall is more abundant (ca. 30-40 inches per year) and soil is present. Prehistorically, a few permanent house sites were scattered along the shore, with trails leading into the uplands where the agricultural fields were located.

This site is on a slightly raised, flat pahoehoe area adjacent to and overlooking the sand shoreline. The immediate area is undeveloped today, but in the near future will be part of the expanding NELH marine experimental program. This site and a buffer zone, however, have been set aside for preservation.

Figure 4 is a plan map of this site. Feature A is the large enclosure -- 10 x 8 meters (80 m<sup>2</sup>), its wall being 1.0 meter wide, 0.6-1.0 meter high. An opening faces the sea. On the inland side within the enclosure is a platform (house foundation), 4.5 x 5.0 meters (23 m<sup>2</sup>), 0.3 meter high. The surface of this platform is covered with waterworn coral pebbles. Deposits inside the enclosure are ca. 15 cm deep and were test excavated in 1975 (Cordy 1975). A salt pan sits just outside the entrance. This feature was interpreted as a sleeping house (Cordy 1978). (See Photographs 1-3.)

Feature B is a rectangular midden area surrounded by a L-shaped wall (Photo 4). The midden is 5.0 x 2.5 meters (13 m<sup>2</sup>) and is less than 5 cm deep. The L-shaped wall is 0.5 meter high and 0.7 meter wide. A salt pan is present just off the inland end of the wall. The midden contains invertebrate marine shell and some volcanic glass artifacts. This feature was interpreted as a special purpose outbuilding of the site, probably used as a domestic activity area.

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Feature C is a rectangular platform (Photo 5). It is 5.0 x 2.0 meters (10 m<sup>2</sup>) and ranges 0.3-1.0 meter high. Two slab-lined cupboards are within the platform. Some surface invertebrate marine shell midden is present. The platform has been interpreted as a special purpose feature within the site. It is too small for a sleeping house.

Feature D is a square platform. Actually, this was a platform. The site was virtually destroyed by waves between 1975-1984; it is now a vague pile of stones. The platform was ca. 8 x 8 meters (64 m<sup>2</sup>). Its height ranges 0.7-1.0 meter. No surface midden is visible. One test unit was placed within it in 1975 (Cordy 1975). This feature has been interpreted as a men's house (Cordy 1978), but it may have been a larger sleeping house.

In sum, the site has been interpreted as a permanent house site with a sleeping house, two special purpose structures, and a possible men's house (Cordy 1978). Based on a social ranking analysis of permanent dwelling houses in the region, this site has been interpreted to be a commoner dwelling site (Cordy 1978). Population estimates for the site range 6-12 people, depending on whether one or two sleeping houses were present (Cordy 1978).

Volcanic glass dates have been processed from features A and B. These dates range from the A.D. 1500s to the early 1800s (Cordy 1978). The wall around Feature A also is early 1800s in architectural style, and some historic period artifacts are present -- consistent with the early 1800s endpoint for the use of this site.

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This site is significant as an excellent example of a prehistoric permanent habitation site in the arid North Kona region of Hawai'i Island (criterion C) and for its information content on prehistory (criterion D). The site is in excellent condition, and it has been preserved and will be interpreted with public access as part of state and county historic preservation agreements between the State of Hawaii's Natural Energy Laboratory Hawaii (NELH) and High Technology Development Corporation, the State Historic Preservation Office, and the County of Hawaii.

Criterion C

Archaeological research indicates that the arid coastline of northernmost Kona District was permanently occupied late in prehistoric times -- beginning in the A.D. 1400s. Settlement was in small house sites scattered along the shore and occasionally clustered around coves. Most occupants were commoners. The primary agricultural fields used by these residents were 2-3 miles inland and upslope where rainfall and soils were sufficient for cultivation of crops. This site is an excellent example of a commoner's permanent house site. It contains several different architectural features -- a platform within a low enclosure, unenclosed platforms, and a partially enclosed midden area. These have been interpreted as sleeping houses, special purpose (probably work) areas, and a possible men's house. Additionally, salt pans are present -- common features of this coastline. The site's features, also, are readily apparent to the layman, enhancing its value for interpretive preservation.

Criterion D

The site has yielded information on the prehistory of this region. The dating of the site and analysis of its architecture has been crucial in at least one major study of the settlement, social organization and demography of the region. Deposits have been minimally tested, so artifacts, midden and features are still present containing information relevant to numerous research problems -- such as the details of prehistoric subsistence strategies in the region, activity areas associated with permanent dwellings, demography, etc.

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- Cordy, Ross 1975. Site Maps of 1975 Dissertation Work. On file, State Historic Preservation Office.
1978. A Study of Prehistoric Social Change: The Development of Complex Societies in the Hawaiian Islands. Ph.D. thesis, University of Hawaii.
1981. A Study of Prehistoric Social Change: The Development of Complex Societies in the Hawaiian Islands. Academic Press, New York.  
[Additional information beyond thesis.]
- Clark, Stephen 1984. An Archaeological Reconnaissance of Natural Energy Laboratory Hawaii (NELH) Property, Keahole Point, North Kona, Hawai'i. Bishop Museum ms. 110784. On file, State Historic Preservation Office.

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**Verbal Boundary Description**

The site is located within TMK: 7-3-43: Parcel 42, near the south end of Parcel 43 on the shore, ca. 40 feet inland of the coastal Jeep Road. The site is roughly 100' X 120' in size, encompassing the site and a buffer.

**Boundary Justification**

The boundary includes the site and a surrounding buffer zone.

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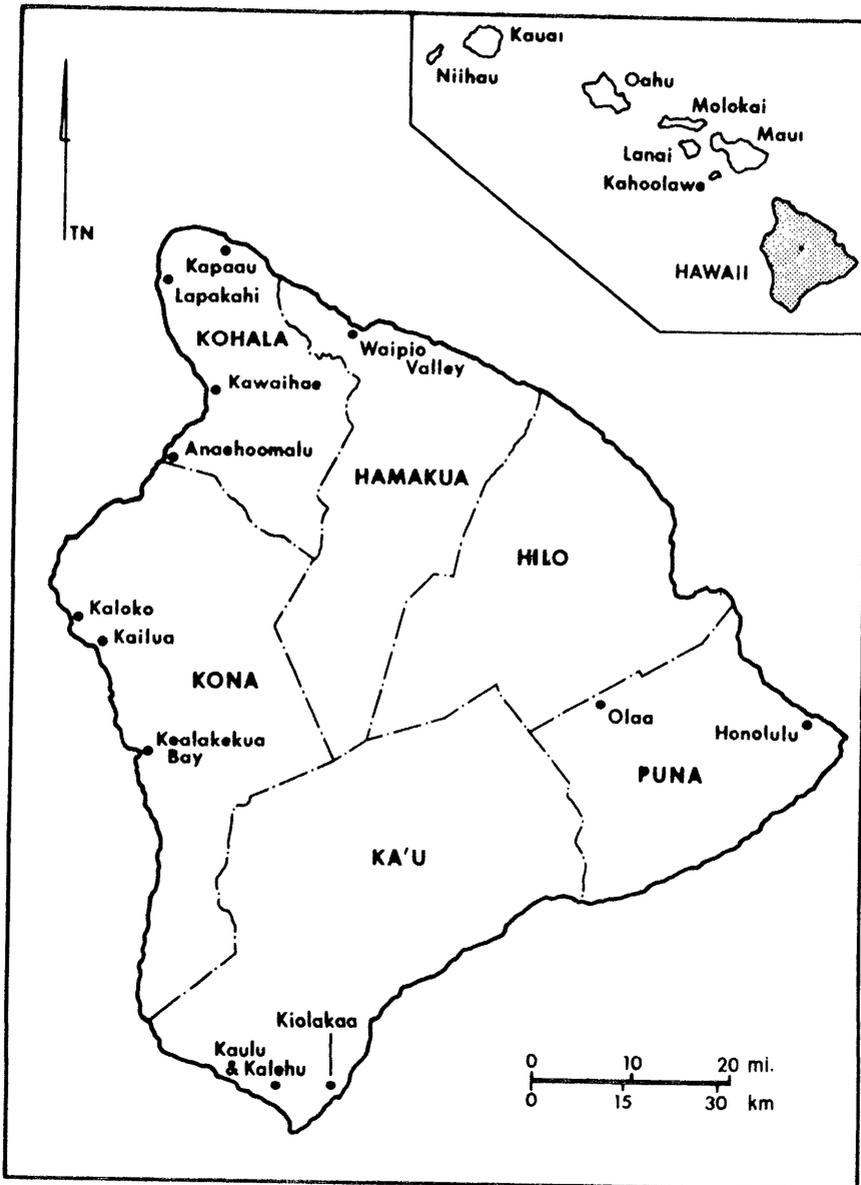


Figure 1. Map of Hawai'i Island, showing the traditional district of Kona. Today's North Kona judicial district is located north of Kealahou Bay. The site location is slightly north of Kaloko.



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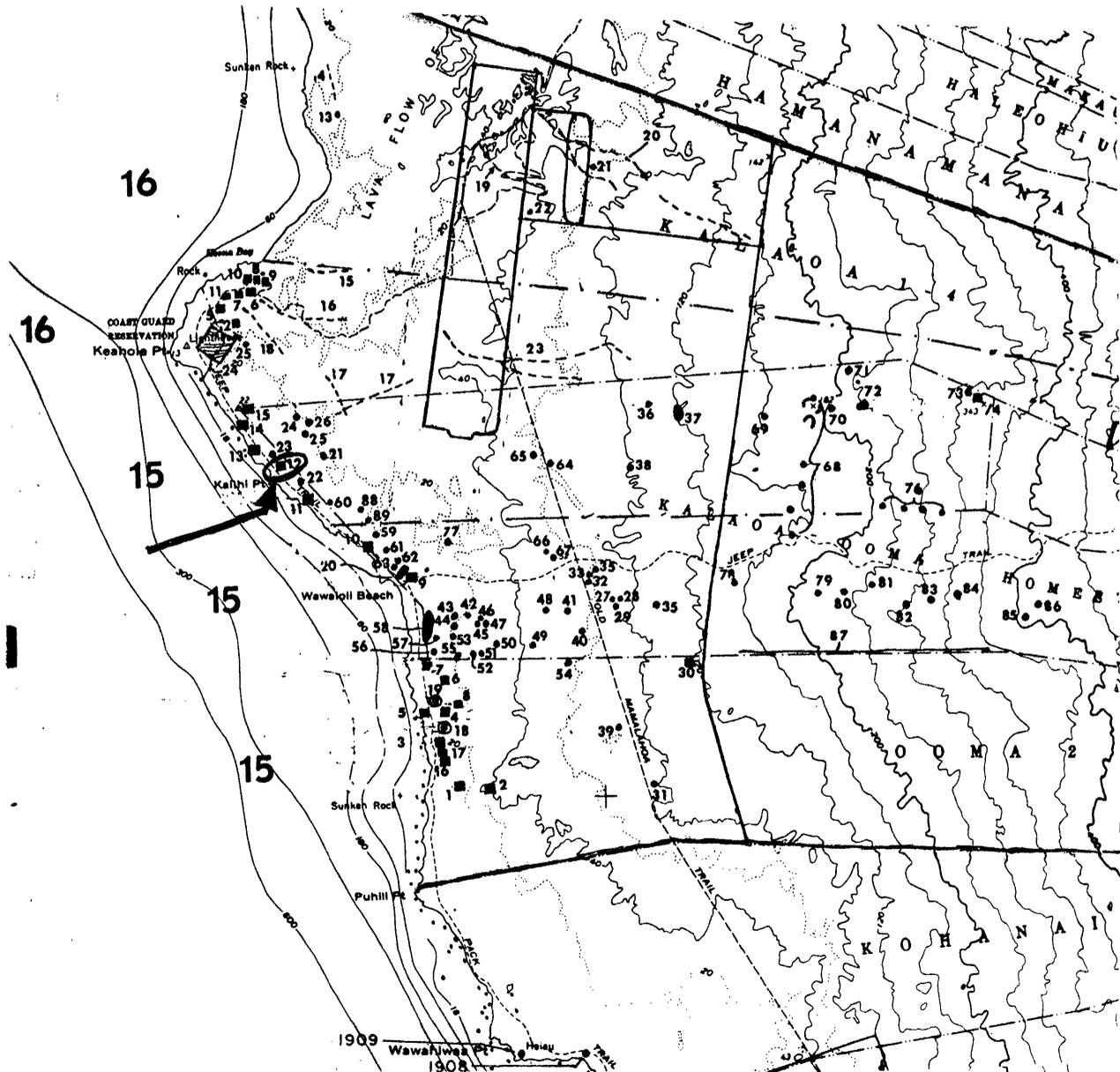


Figure 3. Map of Kalaoa and 'O'oma Ahupua'a, showing the site's location.

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Site 50-10-27-10,205

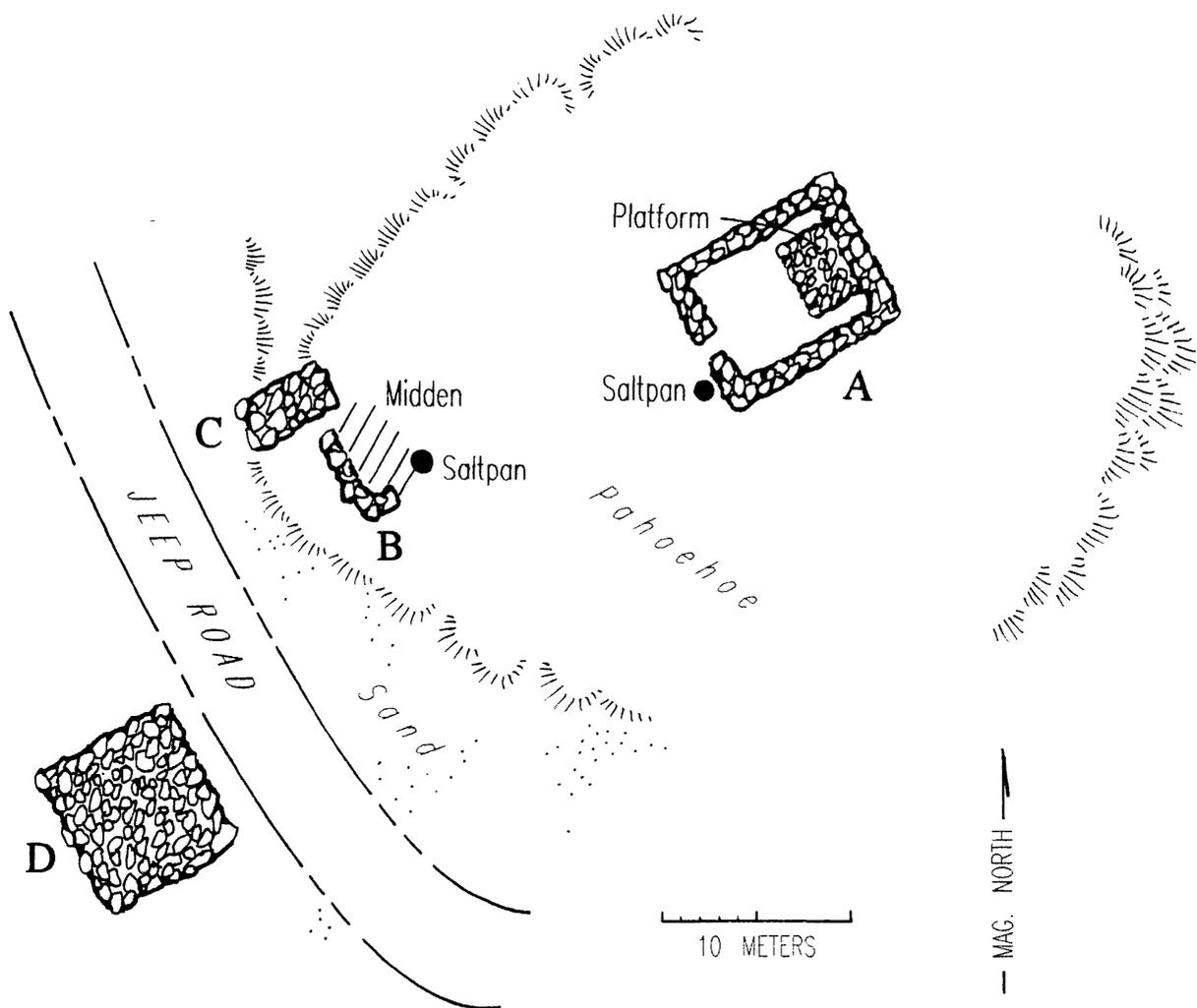


Figure 4. Plan Map of Kalaoa Permanent House Site 10,205 (10-27-10,205). (Map in files of Historic Preservation Division, State of Hawaii).

The site buffer is ca. 10 meters around the edges of the features, roughly corresponding to the edge of the raised terrain around Feature A.

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Photograph List

All photographs are of Kalaoa Permanent House Site 10,205; County of Hawaii; State of Hawaii. All photographs were taken by Ross Cordy September 1992, and the originals are on file at the State Historic Preservation Division, Department of Land & Natural Resources, State of Hawaii.

- Photo 1. View of Feature A, main dwelling structure. Looking north across pahoehoe lava flow. Mt. Hualalai slopes beginning in right background. (Photo neg. H1-6).
- Photo 2. View of Feature A, main dwelling structure, from rear. Looking west across pahoehoe lava flow and sand shore toward sea. Entrance into the feature is in the far wall. (Photo neg. H1-15).
- Photo 3. Composite view of exterior west wall of Feature A. Looking east. Four successive photos, A-D, running north to south. (Photo negs. H1-17, -18, -19, -20).
- Photo 4. View of Feature B, rectangular midden area surrounded by L-shaped wall. Looking north. Salt pan at right front edge of midden area. (Photo neg. H1-7).
- Photo 5. View of Feature C, small platform, in foreground with Feature A in background. View east with rising slopes of Mt. Hualalai in background largely hidden in volcanic haze. (Photo neg. H1-23).

**SUPPLEMENTARY LISTING RECORD**

**NRIS Reference Number:** 92001552

**Date Listed:**

11/21/92

**Property Name** Kalaoa Permanent House Site 10,205  
**County** Hawaii **State** Hawaii

**Multiple Name**

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This property is listed in the National Register of Historic Places in accordance with the attached nomination documentation subject to the following exceptions, exclusions, or amendments, notwithstanding the National Park Service certification included in the nomination documentation.

*Janet E. Townsend*  
Signature of the Keeper

11-21-92  
Date of Action

=====  
**Amended Items in Nomination:**

The nomination is amended to reflect the fact that although eligible under Criteria D, the case for eligibility under Criteria C has not been documented.

These changes were made after consultation with Ross Cordy, Head Archaeologist, Hawaii State Historic Preservation Office.

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**DISTRIBUTION:**

National Register property file  
Nominating Authority (without nomination attachment)