

negative impacts. Therefore the exclusion of these lands will not cause extinction and should in fact improve the chance of recovery for *Alectryon macrococcus*, *Argyroxiphium sandwicense* ssp. *macrocephalum*, *Asplenium fragile* var. *insulare*, *Bonamia menziesii*, *Cenchrus agrimonioides*, *Clermontia lindseyana*, *Clermontia oblongifolia* ssp. *mauiensis*, *Clermontia samuelii*, *Colubrina oppositifolia*, *Ctenitis squamigera*, *Cyanea glabra*, *Cyanea lobata*, *Cyanea mceldowneyi*, *Cyrtandra munroi*, *Diellia erecta*, *Diplazium molokaiense*, *Flueggea neowawraea*, *Geranium arboreum*, *Geranium multiflorum*, *Hesperomannia arborescens*, *Lipochaeta kamolensis*, *Melicope adscendens*, *Melicope balloui*, *Melicope knudsenii*, *Melicope mucronulata*, *Neraudia sericea*, *Phlegmariurus manni*, *Phyllostegia manni*, *Phyllostegia mollis*, *Plantago princeps*, *Platanthera holochila*, *Remya mauiensis*, and *Sanicula purpurea*.

#### Taxonomic Changes

At the time we listed *Clermontia peleana*, *Cyanea grimesiana* ssp. *grimesiana*, *Cyanea lobata*, *Delissea undulata*, *Mariscus pennatifolius*, *Phyllostegia parviflora*, and *Phyllostegia mollis*, we followed the taxonomic treatments in Wagner *et al.* (1990), the widely used and accepted *Manual of the Flowering Plants of Hawaii*. For *Phlegmariurus manni*, we used the "Revised Checklist of Hawaiian Pteridophytes" (Wagner and Wagner 1994). Subsequent to the final listing, we became aware of new taxonomic treatments of these species. Also, in the recently published *Hawaii's Ferns and Fern Allies* (Plamer 2003), the family name for *Ctenitis squamigera* has changed (from Aspleniaceae to Dryopteridaceae). Due to the court-ordered deadlines, we are required to publish this final rule to designate critical habitat on Maui and Kahoolawe before we can prepare and publish a notice of taxonomic changes for these nine species. We plan to publish a taxonomic change notice for these nine species after we have published the final critical habitat designations on Maui and Kahoolawe.

#### Required Determinations

##### Regulatory Planning and Review

In accordance with Executive Order 12866, the Office of Management and Budget (OMB) has determined that this critical habitat designation is not a significant regulatory action. This rule will not have an annual economic effect of \$100 million or more or adversely

affect any economic sector, productivity, competition, jobs, the environment, or other units of government. This designation will not create inconsistencies with other agencies' actions or otherwise interfere with an action taken or planned by another agency. It will not materially affect entitlements, grants, user fees, loan programs, or the rights and obligations of their recipients. Finally, this designation will not raise novel legal or policy issues. Accordingly, OMB has not formally reviewed this final critical habitat designation.

##### Regulatory Flexibility Act

Under the Regulatory Flexibility Act (RFA) (as amended by the Small Business Regulatory Enforcement Fairness Act (SBREFA) of 1996), whenever a Federal agency is required to publish a notice of rulemaking for any proposed or final rule, it must prepare and make available for public comment a regulatory flexibility analysis that describes the effect of the rule on small entities (*i.e.*, small businesses, small organizations, and small governmental jurisdictions). However, no regulatory flexibility analysis is required if the head of the agency certifies that the rule will not have a significant economic impact on a substantial number of small entities. SBREFA amended the RFA to require Federal agencies to provide a statement of the factual basis for certifying that a rule will not have a significant economic impact on a substantial number of small entities.

Based on the information in our economic analysis (draft economic analysis, supplement, and addendum), we are certifying that the critical habitat designation for 60 Maui and Kahoolawe plant species will not have a significant effect on a substantial number of small entities because a substantial number of small entities are not affected by the designation.

SBREFA does not explicitly define either "substantial number" or "significant economic impact." Consequently, to assess whether a "substantial number" of small entities is affected by this designation, this analysis considers the relative number of small entities likely to be impacted in the area. Similarly, this analysis considers the relative cost of compliance on the revenues/profit margins of small entities in determining whether or not entities incur a "significant economic impact." Federal courts and Congress have indicated that an RFA/SBREFA analysis should be limited to all impacts to entities directly subject to the requirements of the

regulation (*See Mid-Tex Electric Co-Op, Inc. v. F.E.R.C.* and *America Trucking Associations, Inc. v. EPA.*). As such, entities indirectly impacted by the plant listings and critical habitat and, therefore, not directly regulated by the listing or critical habitat designation are not considered in this section of the analysis.

Small entities include small organizations, such as independent non-profit organizations, and small governmental jurisdictions, such as school boards and city and town governments that serve fewer than 50,000 residents, as well as small businesses. Refer to the draft economic analysis for a further discussion of the definition of small entities.

The RFA/SBREFA defines "small governmental jurisdiction" as the government of a city, county, town, school district with a population of less than 50,000. By this definition, Federal government agencies are not small business under SBA guidelines, and State agencies are not considered small governments under the RFA. The County of Maui is also not a small governmental jurisdiction because its population was approximately 128,240 in 2000.

SBREFA further defines "small organization" as any not-for-profit enterprise that is independently owned and operated and is not dominant in its field. The East Maui Watershed Partnership and the West Maui Watershed Partnership are not independently owned but are public-private partnerships between Federal agencies, State agencies, private landowners, and community organizations that are dominant in setting policy for watershed protection. While the definition of "small organization" leaves some room for interpretation, based on the above factors, the economic analysis does not consider either partnership to be a "small organization." Our draft economic analysis further identified one other organization that may be affected by the critical habitat designation on Maui, although, to this point, we have never consulted with them directly or indirectly, as Hawaii Television Broadcasters Association (HTBA). The HTBA is a Hawaii nonprofit corporation that represents the common interests of Hawaii's television broadcasters, each of which has annual revenues in excess of \$750,000. As the entity representing all the local broadcast stations, HTBA appears to be dominant in its field and therefore does not appear to meet SBREFA's definition of a "small organization."

The RFA/SBREFEA requires that agencies use the SBA's definition of "small business," which is codified at 13 CFR 121.201. The draft economic analysis identified the following small businesses. Zond Pond, a company formed to develop wind projects in Hawaii that have not yet been constructed, and several livestock operations. Zond Pond currently has no sales by which to evaluate whether it meets the definition of a small business. However, our DEA concluded, based on a public declaration from Zond Pond that it is not a small business and the projected scale of its windfarm projects, that Zond Pond does not qualify as a "small business" under SBA's small business definitions. In 2000, there were 170 cattle livestock operations in Maui County. The combined cattle sales of all of these operations in 2000 was about \$3.2 millions (Statistics of Hawaii Agriculture, 2000). Since this implies average annual cattle sales per business of \$19,000, it is likely that all of almost all of the Maui County cattle operations meet the definition of a small business (annual sales less than \$750,000).

To determine if the rule would affect a substantial number of small entities, we consider the number of small entities affected within particular types of economic activities (e.g., housing development, grazing, oil and gas production, timber harvesting, etc.) in this particular area/market affected by the regulation. We apply the "substantial number" test individually to each industry to determine if certification is appropriate. In estimating the numbers of small entities potentially affected, we also consider whether their activities have any Federal involvement. Some kinds of activities are unlikely to have any Federal involvement, and so will not be affected by critical habitat designation.

The primary projects and activities that might be affected by the designation and could affect small entities include ranching operations in Maui County. The economic analysis predicts that between zero and two section 7 consultations will be conducted over the next 10 years on ranches in Maui County. The economic analysis estimates that these consultations may affect one to four businesses out of 170 (1 to two percent) of the small businesses in the cattle industry in Maui County. (This is an overestimate of the number of businesses potentially affected because it is based on more consultations occurring than is currently estimated.)

The entire island of Kahoolawe is under State ownership and within the State Conservation District. The current

and projected land uses on Kahoolawe are land restoration and ordnance removal (Decision Analysts Hawaii (DAHI) 2001). For these reasons, the draft economic analysis concluded that the proposed rule would not affect a substantial number of small entities on the island of Kahoolawe. Based on the above analysis, a significant economic impact on a substantial number of small entities will not result from the proposed critical habitat designation on Maui and Kahoolawe.

This conclusion are supported by the history of consultations on Maui. Since these 60 plant species were listed (between 1991 and 1999), on the island of Maui we have conducted only one formal consultation and 16 informal consultations, in addition to consultations on Federal grants to State wildlife programs, which do not affect small entities. Three informal consultations were conducted with the U.S. Air Force, for the Maui Space Surveillance Site, who requested we review their final draft "Environmental Assessment, "Integrated Natural Resources Management Plan for the Maui Space Surveillance Complex," and the effects of the construction of the surveillance site on listed and proposed endangered and threatened species. Three informal consultations were conducted with Haleakala National Park, regarding a collecting permit for two of the 60 species, *Geranium arboreum* and *Geranium multiflorum*, and we reviewed the "Environmental Assessment for Replacement of the Summit Comfort Station and Utilities Systems' and a park highway resurfacing project. One informal consultation was conducted with the Service's Ecological Services Program for the effects of fencing and replanting on listed endangered and threatened species within the Auwahi Partnership Project area. One informal consultation was conducted with the Service's Ecological Services Program for the effects of fencing and hunting on listed endangered and threatened species within the Kahikinui Partnership Project area. One informal consultation was conducted with the Service's Ecological Services Program, for the effects of fencing and outplanting on listed endangered and threatened species within the Puu Makua Partnership Project area. One informal consultation was conducted with the Service for the effects of ungulate exclusion on listed endangered and threatened species within the Puu Kukui Partnership Project area. One informal consultation was conducted with the Department of Defense for

review of the effects of the Kanaio National Guard Training Area on listed endangered and threatened species and review of "Natural Resources Management Plan: Kanaio Guard Training Area." Two informal consultations were conducted with the Department of Transportation for review of the effects of the proposed Kihei-Upcountry Highway on listed endangered and threatened species. One informal consultation was conducted with the U.S. Department of Agriculture for review of the effect of feral pig removal on listed endangered and threatened species within Waikamoi and Kapunakea Preserves. One informal consultation was conducted with the Service's Ecological Services Program for the effects of fencing and replanting listed endangered and threatened species within the Puu O Kali restoration area. One informal consultation was conducted with NRCS for the effects of ranching operations on listed endangered and threatened species within 38 acres of private land. One formal consultation was conducted with the Federal Aviation Administration (FAA) for the review of the "Final Environmental Impact Statement, Kahului Airport Improvements."

None of these consultations affected or concerned small entities. In all 16 informal consultations, we concurred with each agency's determination that the project, as proposed, was not likely to adversely affect listed species. For the formal consultation, we determined that the airport improvement project, which included a mandatory state-of-the-art alien species interdiction facility, was not likely to jeopardize listed species nor adversely affect designated critical habitat for *Gouania hillebrandii* on the island of Maui. In addition, only the FAA's proposed airport improvement project is ongoing. The FAA is not a small entity. Therefore, the requirement to reinitiate consultation for ongoing projects will not affect a substantial number of small entities on Maui.

There has been one informal consultation on the island of Kahoolawe. The consultation was conducted on behalf of the Department of the Navy for the effects of ordnance cleanup on listed endangered and threatened species. The Department of the Navy is not a small entity; therefore this consultation did not affect or concern small entities. In this case, we concurred with the agency's determination that the project as proposed was not likely to adversely affect listed species. Although this project is ongoing, it does not affect nor concern small entities, so the

requirement to reinitiate consultation for ongoing projects will not affect a substantial number of small entities on Kahoolawe.

In addition, on Maui, nearly all of the land within the critical habitat units is unsuitable for development, land uses, and activities. This is due to their remote locations, lack of access, and rugged terrain. Approximately 86 percent of this land, and all of the land on Kahoolawe, is within the State Conservation District where State land-use controls severely limit development and most activities, and approximately 14 percent of this land is within the State Agricultural District.

Even where the requirements of section 7 might apply due to critical habitat, based on our experience with section 7 consultations for all listed species, virtually all projects—including those that, in their initial proposed form, would result in jeopardy or adverse modification determinations under section 7—can be implemented successfully with, at most, the adoption of reasonable and prudent alternatives. These measures by definition must be economically feasible and within the scope of authority of the Federal agency involved in the consultation.

For these reasons, we are certifying that the designation of critical habitat for *Alectryon macrococcus*, *Argyroxiphium sandwicense* ssp. *macrocephalum*, *Asplenium fragile* var. *insulare*, *Bidens micrantha* ssp. *kalealaha*, *Bonamia menziesii*, *Brighamia rockii*, *Cenchrus agrimonoides*, *Centaurium sebaeoides*, *Clermontia lindseyana*, *Clermontia oblongifolia* ssp. *mauiensis*, *Clermontia samuelii*, *Colubrina oppositifolia*, *Ctenitis squamigera*, *Cyanea copelandii* ssp. *haleakalaensis*, *Cyanea glabra*, *Cyanea grimesiana* ssp. *grimesiana*, *Cyanea hamatiflora* ssp. *hamatiflora*, *Cyanea lobata*, *Cyanea mclowdowneyi*, *Cyrtandra munroi*, *Diellia erecta*, *Diplazium molokaiense*, *Dubautia plantaginea* ssp. *humilis*, *Flueggea neowawraea*, *Geranium arboreum*, *Geranium multiflorum*, *Gouania vitifolia*, *Hedyotis coriacea*, *Hedyotis manni*, *Hesperomannia arbuscula*, *Hibiscus brackenridgei*, *Ischaemum byrone*, *Isodendron pyrifolium*, *Kanaloa kahoolawensis*, *Lipochaeta kamolensis*, *Lysimachia lydgatei*, *Mariscus pennatifolius*, *Melicope adscendens*, *Melicope balloui*, *Melicope knudsenii*, *Melicope mucronulata*, *Melicope ovalis*, *Neraudia sericea*, *Nototrichium humile*, *Peucedanum sandwicense*, *Phlegmariurus manni*, *Phyllostegia manni*, *Phyllostegia mollis*, *Plantago princeps*, *Platanthera holochila*, *Pteris lidgatei*, *Remya*

*mauiensis*, *Sanicula purpurea*, *Schiedea haleakalensis*, *Sesbania tomentosa*, *Spermolepis hawaiiensis*, *Tetramolopium capillare*, *Tetramolopium remyi*, *Vigna owahuensis*, and *Zanthoxylum hawaiiense* will not have a significant economic impact on a substantial number of small entities. Therefore, a regulatory flexibility analysis is not required.

#### *Small Business Regulatory Enforcement Fairness Act (5 U.S.C. 804(2))*

Under the Small Business Regulatory Enforcement Fairness Act (5 U.S.C. 801 *et seq.*), this rule is not a major rule. Our detailed assessment of the economic effects of this designation are described in the draft economic analysis, the final addendum and the supplement to the economic analysis. Based on the effects identified in these documents, we believe that this rule will not have an effect on the economy of \$100 million or more per year, will not cause a major increase in costs or prices for consumers, and will not have significant adverse effects on competition, employment, investment, productivity, innovation, or the ability of U.S.-based enterprises to compete with foreign-based enterprises. Refer to the final addendum to the economic analysis for a discussion of the effects of this determination.

#### *Executive Order 13211*

On May 18, 2001, the President issued Executive Order 13211, on regulations that significantly affect energy supply, distribution, and use. Executive Order 13211 requires agencies to prepare Statements of Energy Effects when undertaking certain actions. According to OMB, this rule is not a significant regulatory action under Executive Order 12866, and we do not expect to significantly affect energy production supply and distribution facilities because no significant energy production, supply, and distribution facilities are included within designated critical habitat. Further, for the reasons described in the economic analysis, we do not believe that designation of critical habitat for the 60 species on Maui and Kahoolawe will affect future energy production. Therefore, this action is not a significant energy action, and no Statement of Energy Effects is required.

#### *Unfunded Mandates Reform Act (2 U.S.C. 1501 et seq.)*

In accordance with the Unfunded Mandates Reform Act (2 U.S.C. 1501 *et seq.*):

(a) This rule will not “significantly or uniquely” affect small governments. A small Government Agency Plan is not required. Small governments will not be affected unless they propose an action requiring Federal funds, permits, or other authorizations. Any such activities will require that the Federal agency ensure that the action will not adversely modify or destroy designated critical habitat.

(b) This rule will not produce a Federal mandate on State or local governments or the private sector of \$100 million or greater in any year, that is, it is not a “significant regulatory action” under the Unfunded Mandates Reform Act. The designation of critical habitat imposes no obligations on State or local governments.

#### *Takings*

In accordance with Executive Order 12630 (“Government Actions and Interference with Constitutionally Protected Private Property Rights”), we have analyzed the potential takings implications of designating critical habitat for the 60 species from Maui and Kahoolawe in a takings implications assessment. The takings implications assessment concludes that this final rule does not pose significant takings implications.

#### *Federalism*

In accordance with Executive Order 13132, this final rule does not have significant Federalism effects. A Federalism assessment is not required. In keeping with Department of Interior policy, we requested information from appropriate State agencies in Hawaii. This rule imposes no regulatory requirements unless an agency is seeking Federal funding or authorization, so it does not have Federal implications. In addition, this rule will not have substantial direct compliance costs because many of the planned projects that could affect critical habitat have no Federal involvement.

The designations may have some benefit to these governments, in that the areas essential to the conservation of these species are more clearly defined and the primary constituent elements of the habitat necessary to the survival of the species are specifically identified. While this definition and identification does not alter where and what federally sponsored activities may occur, it may assist these local governments in long-range planning, rather than waiting for case-by-case section 7 consultation to occur.

*Civil Justice Reform*

In accordance with Executive Order 12988, the Department of the Interior's Office of the Solicitor has determined that this rule does not unduly burden the judicial system and does meet the requirements of sections 3(a) and 3(b)(2) of the Order. We have designated critical habitat in accordance with the provisions of the Endangered Species Act. The rule uses standard property descriptions and identifies the primary constituent elements within the designated areas to assist the public in understanding the habitat needs of the 60 plant species from Maui and Kahoolawe.

*Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.)*

This rule does not contain any information collection requirements for which OMB approval under the Paperwork Reduction Act is required. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number.

*National Environmental Policy Act*

We have determined that we do not need to prepare an Environmental Assessment and/or an Environmental Impact Statement as defined by the National Environmental Policy Act of 1969 in connection with regulations adopted pursuant to section 4(a) of the Endangered Species Act. We published a notice outlining our reason for this determination in the **Federal Register** on October 25, 1983 (48 FR 49244). This determination does not constitute a major Federal action significantly affecting the quality of the human environment.

*Government-to-Government Relationship with Tribes*

In accordance with the President's memorandum of April 29, 1994, "Government-to-Government Relations

with Native American Tribal Governments" (59 FR 22951), Executive Order 13175, and the Department of the Interior's manual at 512 DM 2, we readily acknowledge our responsibility to communicate meaningfully with recognized Federal Tribes on a government-to-government basis. We have determined that there are no Tribal lands essential for the conservation of these 60 plant species. Therefore, designation of critical habitat for these 60 species does not involve any Tribal lands.

**References Cited**

A complete list of all references cited in this final rule is available upon request from the Pacific Islands Fish and Wildlife Office (see **ADDRESSES** section).

**Authors**

The primary authors of this final rule are staff of the Pacific Islands Fish and Wildlife Office (see **ADDRESSES** section).

**List of Subjects in 50 CFR Part 17**

Endangered and threatened species, Exports, Imports, Reporting and recordkeeping requirements, Transportation.

**Regulation Promulgation**

■ Accordingly, we hereby amend part 17, subchapter B of chapter I, title 50 of the Code of Federal Regulations as set forth below:

**PART 17—[AMENDED]**

■ 1. The authority citation for part 17 continues to read as follows:

**Authority:** 16 U.S.C. 1361–1407; 16 U.S.C. 1531–1544; 16 U.S.C. 4201–4245; Pub. L. 99–625, 100 Stat. 3500; unless otherwise noted.

■ 2. Amend § 17.12(h), the List of Endangered and Threatened Plants, as set forth below:

■ a. Under the table's heading FLOWERING PLANTS, by revising the entries for *Alectryon macrococcus*,

*Argyroxiphium sandwicense* ssp. *macrocephalum*, *Bidens micrantha* ssp. *kalealaha*, *Bonamia menziesii*, *Brighamia rockii*, *Cenchrus agrimonioides*, *Centaurium sebaeoides*, *Clermontia lindseyana*, *Clermontia oblongifolia* ssp. *mauiensis*, *Clermontia samuelii*, *Colubrina oppositifolia*, *Cyanea copelandii* ssp. *haleakalaensis*, *Cyanea glabra*, *Cyanea grimesiana* ssp. *grimesiana*, *Cyanea hamatiflora* ssp. *hamatiflora*, *Cyanea lobata*, *Cyanea mceldowneyi*, *Cyrtrandra munroi*, *Dubautia plantaginea* ssp. *humilis*, *Flueggea neowawraea*, *Geranium arboreum*, *Geranium multiflorum*, *Gouania vitifolia*, *Hedyotis coriacea*, *Hedyotis mannii*, *Hesperomannia arbuscula*, *Hibiscus brackenridgei*, *Ischaemum byrone*, *Isodendron pyrifolium*, *Kanaloa kahoolawensis*, *Lipochaeta kamolensis*, *Lysimachia lydgatei*, *Mariscus pennatifolius*, *Melicope adscendens*, *Melicope balloui*, *Melicope knudsenii*, *Melicope mucronulata*, *Melicope ovalis*, *Neraudia sericea*, *Nototrichium humile*, *Peucedanum sandwicense*, *Phyllostegia mannii*, *Phyllostegia mollis*, *Plantago princeps*, *Platanthera holochila*, *Remya mauiensis*, *Sanicula purpurea*, *Schiedea haleakalensis*, *Sesbania tomentosa*, *Spermolepis hawaiiensis*, *Tetramolopium capillare*, *Tetramolopium remyi*, *Vigna o-wahuensis*, and *Zanthoxylum hawaiiense* to read as follows: and

■ b. Under the table's heading FERNS AND ALLIES, by revising the entries for *Asplenium fragile* var. *insulare*, *Ctenitis squamigera*, *Diellia erecta*, *Diplazium molokaiense*, and *Pteris lidgatei*; by removing the entry for *Huperzia* (= *Phlegmariurus*, = *Lycopodium*) *mannii*; and by adding an entry for *Phlegmariurus* (= *Lycopodium*, = *Huperzia*) *mannii* to read as follows.

**§ 17.12 Endangered and threatened plants.**

\* \* \* \* \*  
(h) \* \* \*

Species		Historic range	Family	Status	When listed	Critical habitat	Special rules
Scientific name	Common name						
FLOWERING PLANTS							
<i>Alectryon macrococcus</i>	Mahoe	U.S.A. (HI)	Sapindaceae	E	467	17.99(a)(1), (c) and (e)(1).	NA
<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>	Ahinahina	U.S.A. (HI)	Asteraceae	T	467	17.99(e)(1)	NA
<i>Bidens micrantha</i> ssp. <i>kalealaha</i>	Kookoolau	U.S.A. (HI)	Asteraceae	E	467	17.96(b) and 17.99(e)(1).	NA
<i>Bonamia menziesii</i>	None	U.S.A. (HI)	Convolvulaceae	E	559	17.99(a)(1) and (e)(1)	NA
<i>Brighamia rockii</i>	Pua ala	U.S.A. (HI)	Campanulaceae	E	480	17.99(c) and (e)(1)	NA
<i>Cenchrus agrimonioides</i>	Kamanomano	U.S.A. (HI)	Poaceae	E	592	17.99(e)(1)	NA

Species		Historic range	Family	Status	When listed	Critical habitat	Special rules
Scientific name	Common name						
(=Sandbur, agrimony)							
<i>Centaurium sebaeoides</i>	Awiwi	U.S.A. (HI)	Gentianaceae	E	448	17.99(a)(1), (c) and (e)(1).	NA
<i>Clermontia lindseyana</i>	Oha wai	U.S.A. (HI)	Campanulaceae	E	532	17.99(e)(1)	NA
<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>	Oha wai	U.S.A. (HI)	Campanulaceae	E	467	17.99(e)(1)	NA
<i>Clermontia samuelii</i>	Oha wai	U.S.A. (HI)	Campanulaceae	E	666	17.99(e)(1)	NA
<i>Colubrina oppositifolia</i>	Kauila	U.S.A. (HI)	Rhamnaceae	E	532	17.99(e)(1)	NA
<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>	Haha	U.S.A. (HI)	Campanulaceae	E	666	17.99(e)(1)	NA
<i>Cyanea glabra</i>	Haha	U.S.A. (HI)	Campanulaceae	E	666	17.99(e)(1)	NA
<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha	U.S.A. (HI)	Campanulaceae	E	592	17.99(c) and (e)(1)	NA
<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i>	Haha	U.S.A. (HI)	Campanulaceae	E	666	17.99(e)(1)	NA
<i>Cyanea lobata</i>	Haha	U.S.A. (HI)	Campanulaceae	E	467	17.99(e)(1)	NA
<i>Cyanea mcelandowneyi</i>	Haha	U.S.A. (HI)	Campanulaceae	E	467	17.99(e)(1)	NA
<i>Cyrtandra munroi</i>	Haiwale	U.S.A. (HI)	Gesneriaceae	E	467	17.99(e)(1)	NA
<i>Dubautia plantaginea</i> ssp. <i>humilis</i>	Naenae	U.S.A. (HI)	Asteraceae	E	666	17.99(e)(1)	NA
<i>Flueggea neowawraea</i>	Mehamehame	U.S.A. (HI)	Euphorbiaceae	E	559	17.99(a)(1), (c), and (e)(1).	NA
<i>Geranium arboreum</i>	Hawaiian red-flowered geranium.	U.S.A. (HI)	Geraniaceae	E	465	17.99(e)(1)	NA
<i>Geranium multiflorum</i>	Nohoanu	U.S.A. (HI)	Geraniaceae	E	467	17.99(e)(1)	NA
<i>Gouania vitifolia</i>	None	U.S.A. (HI)	Rhamnaceae	E	541	17.99(e)(1)	NA
<i>Hedyotis coriacea</i>	Kioele	U.S.A. (HI)	Rubiaceae	E	467	17.99(e)(1)	NA
<i>Hedyotis mannii</i>	Pilo	U.S.A. (HI)	Rubiaceae	E	480	17.99(e)(1)	NA
<i>Hesperomannia arbuscula</i>	None	U.S.A. (HI)	Asteraceae	E	448	17.99(e)(1)	NA
<i>Hibiscus brackenridgei</i>	Mao hau hele	U.S.A. (HI)	Malvaceae	E	559	17.99(c) and (e)(1)	NA
<i>Ischaemum byrone</i>	Hilo ischaemum	U.S.A. (HI)	Poaceae	E	532	17.99(a)(1), (c), and (e)(1).	NA
<i>Isodendron pyriformum</i>	Wahine noho kula	U.S.A. (HI)	Violaceae	E	532	17.99(c) and (e)(1)	NA
<i>Kanaloa kahoolawensis</i>	Kohe malama malama o kanaloa.	U.S.A. (HI)	Fabaceae	E	666	17.99(e)(2)	NA
<i>Lipochaeta kamolensis</i>	Nehe	U.S.A. (HI)	Asteraceae	E	467	17.99(e)(1)	NA
<i>Lysimachia lydgatei</i>	None	U.S.A. (HI)	Primulaceae	E	467	17.99(e)(1)	NA
<i>Mariscus pennatiflorus</i>	None	U.S.A. (HI)	Cyperaceae	E	559	17.99(a)(1) and (e)(1)	NA
<i>Melicope adscendens</i>	Alani	U.S.A. (HI)	Rutaceae	E	565	17.99(e)(1)	NA
<i>Melicope balloui</i>	Alani	U.S.A. (HI)	Rutaceae	E	565	17.99(e)(1)	NA
<i>Melicope knudsenii</i>	Alani	U.S.A. (HI)	Rutaceae	E	530	17.99(a)(1) and (e)(1)	NA
<i>Melicope mucronulata</i>	Alani	U.S.A. (HI)	Rutaceae	E	467	17.99(c) and (e)(1)	NA
<i>Melicope ovalis</i>	Alani	U.S.A. (HI)	Rutaceae	E	565	17.99(e)(1)	NA
<i>Neraudia sericea</i>	None	U.S.A. (HI)	Urticaceae	E	559	17.99(c) and (e)(1)	NA
<i>Nototrichium humile</i>	Kului	U.S.A. (HI)	Amaranthaceae	E	448	17.99(e)(1)	NA
<i>Peucedanum sandwicense</i>	Makou	U.S.A. (HI)	Apiaceae	T	530	17.99(a)(1), (c), and (e)(1).	NA
<i>Phyllostegia mannii</i>	None	U.S.A. (HI)	Lamiaceae	E	480	17.99(c) and (e)(1)	NA

Species		Historic range	Family	Status	When listed	Critical habitat	Special rules
Scientific name	Common name						
<i>Phyllostegia mollis</i>	None	U.S.A. (HI)	Lamiaceae	E	448	17.99(e)(1)	NA
<i>Plantago princeps</i>	Laukahi kuahiwi	U.S.A. (HI)	Plantaginaceae	E	559	17.99(a)(1), (c), and (e)(1).	NA
<i>Platanthera holochila</i>	None	U.S.A. (HI)	Orchidaceae	E	592	17.99(a)(1) and (e)(1)	NA
<i>Remya mauiensis</i>	Maui remya	U.S.A. (HI)	Asteraceae	E	413	17.99(e)(1)	NA
<i>Sanicula purpurea</i>	None	U.S.A. (HI)	Apiaceae	E	592	17.99(e)(1)	NA
<i>Schiedea haleakalensis</i>	None	U.S.A. (HI)	Caryophyllaceae	E	467	17.99(e)(1)	NA
<i>Sesbania tomentosa</i>	Ohai	U.S.A. (HI)	Fabaceae	E	559	17.99(a)(1), (c), and (e)(1).	NA
<i>Spermolepis hawaiiensis</i>	None	U.S.A. (HI)	Apiaceae	E	559	17.99(a)(1), (c), and (e)(1).	NA
<i>Tetramolopium capillare</i>	Pamakani	U.S.A. (HI)	Asteraceae	E	555	17.99(e)(1)	NA
<i>Tetramolopium remyi</i>	None	U.S.A. (HI)	Asteraceae	E	435	17.96(b) and 17.99(e)(1).	NA
<i>Vigna o-wahuensis</i>	None	U.S.A. (HI)	Fabaceae	E	559	17.99(e)(1)	NA
<i>Zanthoxylum hawaiiense</i>	Ae	U.S.A. (HI)	Rutaceae	E	532	17.99(a)(1), (c), and (e)(1).	NA
FERNS AND ALLIES							
<i>Asplenium fragile</i> var. <i>insulare</i>	None	U.S.A. (HI)	Aspleniaceae	E	553	17.99(e)(1)	NA
<i>Ctenitis squamigera</i>	Pauoa	U.S.A. (HI)	Aspleniaceae	E	553	17.99(a)(1), (c), and (e)(1).	NA
<i>Diellia erecta</i>	Asplenium-leaved diellia.	U.S.A. (HI)	Aspleniaceae	E	559	17.99(a)(1), (c), and (e)(1).	NA
<i>Diplazium molokaiense</i>	None	U.S.A. (HI)	Aspleniaceae	E	553	17.99(a)(1), (c), and (e)(1).	NA
<i>Phlegmariurus</i> (= <i>Lycopodium</i> , = <i>Huperzia</i> ) <i>mannii</i> .	Wawaeiole	U.S.A. (HI)	Lycopodiaceae	E	467	17.99(e)(1)	NA
<i>Pteris lidgatei</i>	None	U.S.A. (HI)	Adiantaceae	E	553	17.99(c) and (e)(1)	NA

- 3. Amend § 17.99 as set forth below:
- a. By revising the section heading to read as follows: and
- b. By adding paragraphs (e) and (f) to read as follows:

**§ 17.99 Critical habitat; plants on the islands of Kauai, Niihau, Molokai, Maui and Kahoolawe, HI.**

\* \* \* \* \*

(e) *Maps and critical habitat unit descriptions for the islands of Maui and Kahoolawe, HI.* The following sections contain the legal descriptions of the critical habitat units designated for the islands of Maui and Kahoolawe, HI. Existing manmade features and structures within the boundaries of the mapped areas, such as buildings; roads; aqueducts and other water system

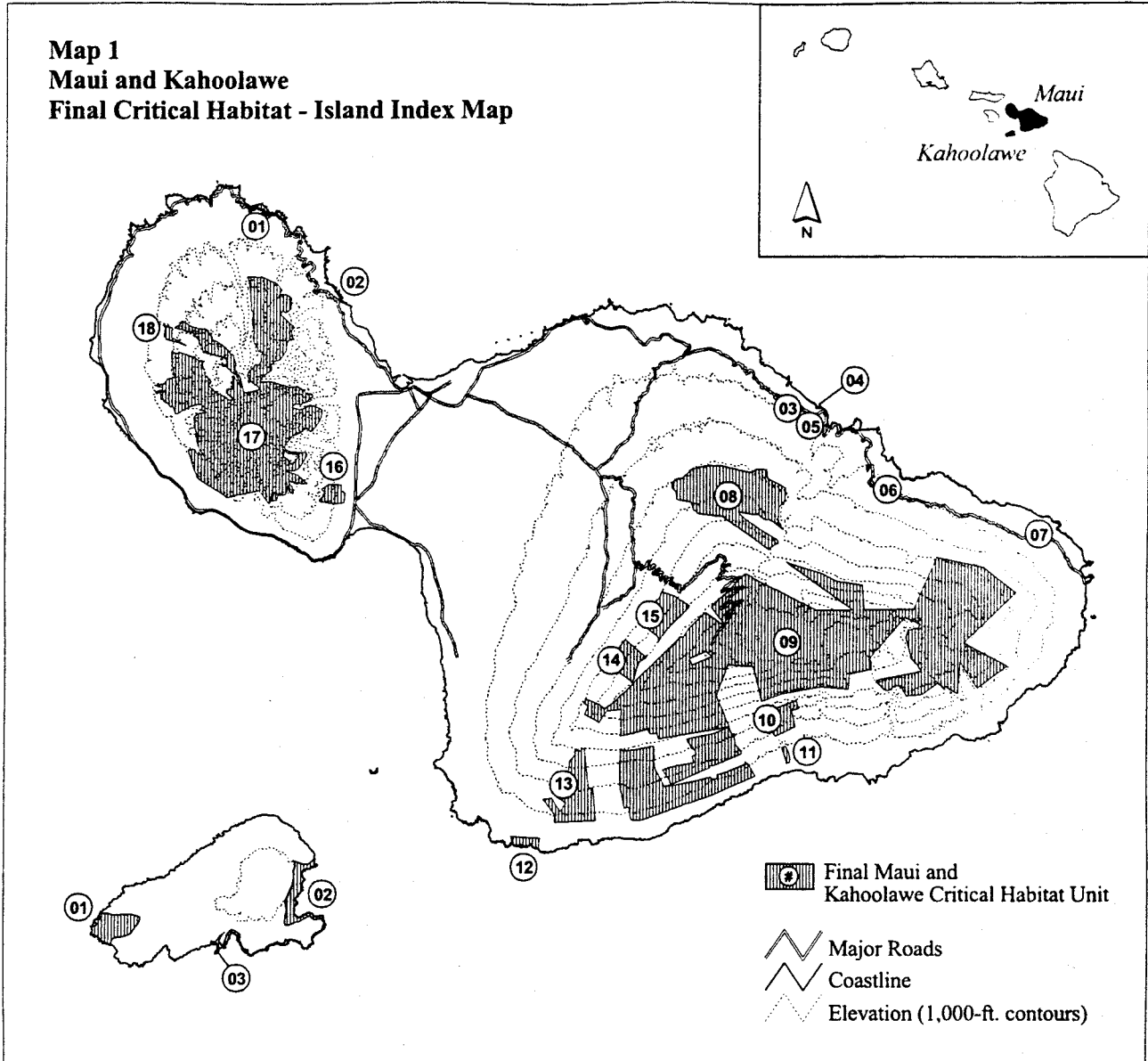
features—including but not limited to pumping stations, irrigation ditches, pipelines, siphons, tunnels, water tanks, gaging stations, intakes, reservoirs, diversions, flumes, and wells; existing trails; campgrounds and their immediate surrounding landscaped area; scenic lookouts; remote helicopter landing sites; existing fences; telecommunications towers and associated structures and equipment; electrical transmission lines and distribution, and communication facilities and regularly maintained associated rights-of-way and access ways; radars and telemetry antennas; missile launch sites; arboreta and gardens; heiau (indigenous places of worship or shrines) and other

archaeological sites; airports; other paved areas; and lawns and other rural residential landscaped areas do not contain the primary constituent elements described for each species in paragraph (f) of this section, except for the elevation primary constituent element, and therefore are not included in the critical habitat designations.

(1) *Maui.* Critical habitat units are described below. Coordinates in UTM Zone 4 with units in meters using North American Datum of 1983 (NAD83). The following map shows the general locations of the 136 critical habitat units designated on the island of Maui.

(i) **Note:** Map 1—Index map—follows:

**BILLING CODE 4310-55-P**



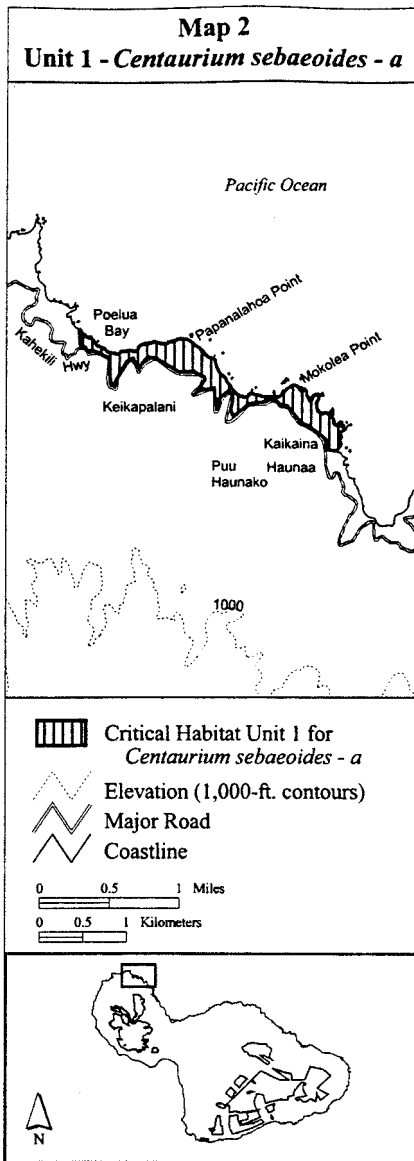
(ii) Maui 1—*Centaurium sebaeoides*— a (71 ha; 174 ac).

(A) Unit consists of the following 93 boundary points and the intermediate coastline: Start at 751112, 2326166; 754099, 2324756; 754053, 2324754; 754053, 2324754; 753973, 2324765; 753966, 2324891; 753771, 2325042; 753692, 2325076; 753669, 2325092; 753524, 2325277; 753446, 2325286; 753446, 2325286; 753446, 2325286; 753388, 2325342; 753381, 2325348; 753372, 2325347; 753367, 2325346; 753332, 2325352; 753325, 2325353; 753299, 2325342; 753270, 2325329; 753238, 2325323; 753221, 2325320; 753189, 2325314; 753085, 2325303; 753085, 2325303; 753085, 2325303; 753077, 2325294; 753069, 2325293; 752894, 2325153; 752865, 2325227;

752886, 2325361; 752884, 2325378; 752893, 2325419; 752878, 2325426; 752833, 2325446; 752831, 2325447; 752829, 2325444; 752827, 2325442; 752732, 2325363; 752732, 2325363; 752725, 2325288; 752717, 2325268; 752711, 2325276; 752692, 2325301; 752671, 2325491; 752670, 2325500; 752591, 2325471; 752535, 2325474; 752535, 2325474; 752535, 2325474; 752535, 2325474; 752535, 2325438; 752566, 2325581; 752580, 2325602; 752559, 2325613; 752455, 2325669; 752444, 2325674; 752441, 2325676; 752268, 2325670; 751992, 2325839; 751990, 2325840; 751898, 2325842; 751835, 2325769; 751804, 2325709; 751734, 2325826; 751730, 2325834; 751715, 2325826; 751714, 2325826; 751713, 2325825; 751653, 2325794;

751526, 2325562; 751530, 2325511; 751525, 2325510; 751492, 2325530; 751475, 2325549; 751475, 2325549; 751461, 2325680; 751461, 2325835; 751461, 2325837; 751461, 2325837; 751461, 2325837; 751273, 2325927; 751251, 2325921; 751218, 2325911; 751187, 2325954; 751173, 2325973; 751154, 2325968; 751123, 2325981; 751122, 2325980; 751117, 2326075; 751115, 2326111; 751112, 2326166; return to starting point.

(B) Note: Map 2 follows:

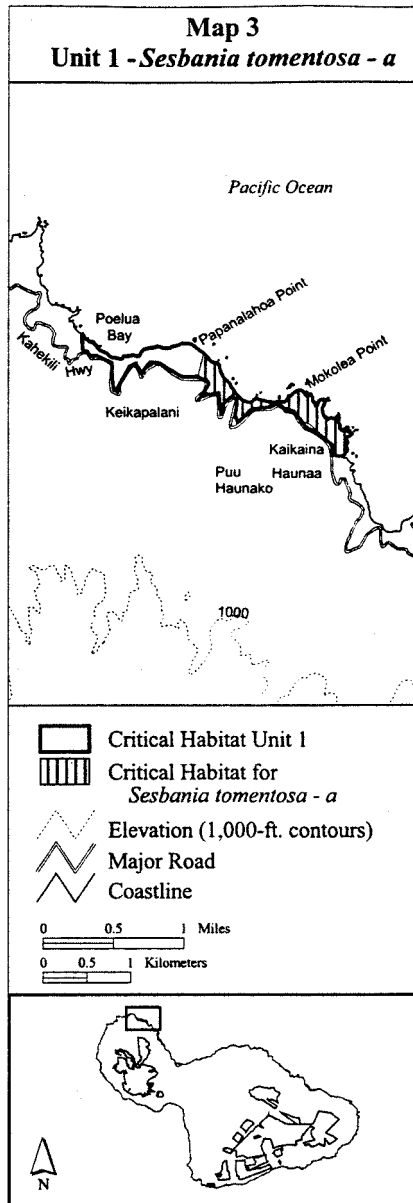


(iii) Maui 1—*Sesbania tomentosa*—a (38 ha; 94 ac).

(A) Unit consists of the following 54 boundary points and the intermediate coastline: Start at 752505, 2325951; 754099, 2324756; 754053, 2324754; 754053, 2324754; 753994, 2324762; 753966, 2324896; 753718, 2325117; 753656, 2325144; 753550, 2325285; 753389, 2325341; 753388, 2325342; 753384, 2325343; 753372, 2325347; 753346, 2325356; 753332, 2325352; 753332, 2325352; 753325, 2325353; 753300, 2325342; 753299, 2325342; 753238, 2325323; 753231, 2325321; 753221, 2325320; 753036, 2325303; 752894, 2325153; 752865, 2325227; 752886, 2325361; 752882, 2325396; 752886, 2325418; 752878, 2325426; 752850, 2325454; 752833, 2325446; 752829, 2325444; 752753, 2325409; 752739, 2325369; 752739, 2325369; 752732, 2325363; 752730, 2325339;

752708, 2325279; 752708, 2325280; 752700, 2325498; 752671, 2325491; 752593, 2325471; 752535, 2325474; 752535, 2325474; 752487, 2325446; 752567, 2325578; 752566, 2325581; 752559, 2325613; 752549, 2325657; 752455, 2325669; 752443, 2325670; 752444, 2325674; 752504, 2325951; 752505, 2325951; return to starting point.

(B) Note: Map 3 follows:

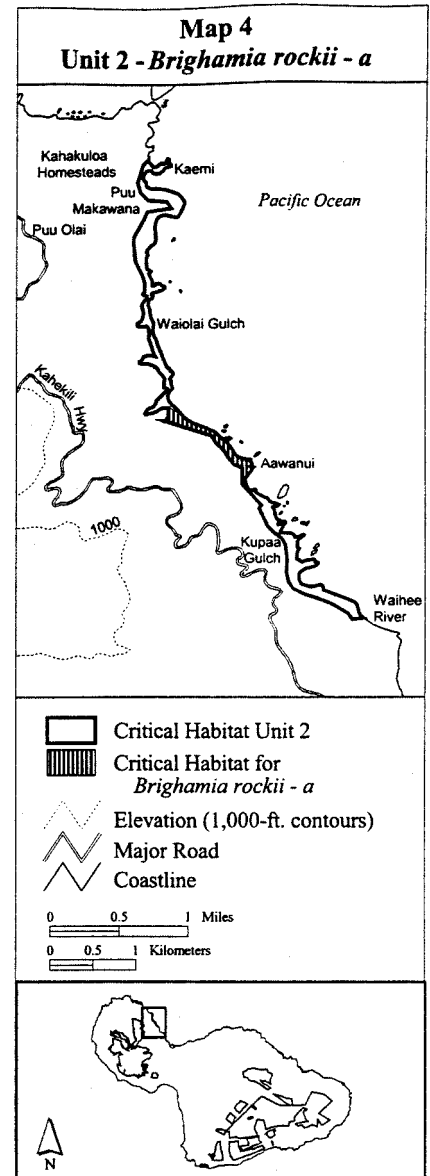


(iv) Maui 2—*Brighamia rockii*—a (6 ha; 14 ac).

(A) Unit consists of the following 29 boundary points and the intermediate coastline: Start at 757892, 2319612; 757868, 2319613; 757861, 2319624; 757862, 2319690; 757862, 2319690; 757794, 2319720; 757771, 2319757; 757765, 2319756; 757726, 2319818;

757700, 2319852; 757688, 2319868; 757645, 2319908; 757645, 2319908; 757626, 2319942; 757626, 2319942; 757371, 2320024; 757371, 2320024; 757333, 2320052; 757268, 2320058; 757266, 2320058; 757272, 2320064; 757278, 2320070; 757288, 2320086; 757296, 2320107; 757292, 2320137; 757312, 2320161; 757387, 2320119; 757388, 2320120; 757892, 2319612; return to starting point.

(B) Note: Map 4 follows:



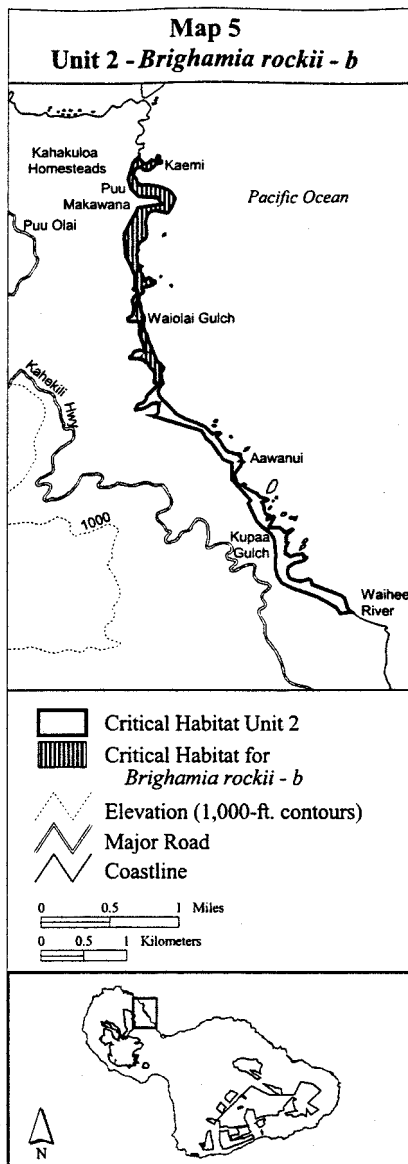
(v) Maui 2—*Brighamia rockii*—b (17 ha; 42 ac).

(A) Unit consists of the following 47 boundary points and the intermediate coastline: Start at 757133, 2322103; 757301, 2320290; 757290, 2320310; 757286, 2320313; 757279, 2320318; 757264, 2320330; 757264, 2320389; 757248, 2320415; 757247, 2320416; 757241, 2320425; 757211, 2320467;



757209, 2320469; 757193, 2320485;  
 757174, 2320504; 757148, 2320525;  
 757157, 2320542; 757190, 2320563;  
 757188, 2320568; 757183, 2320582;  
 757167, 2320630; 757140, 2320705;  
 757145, 2320746; 757139, 2320784;  
 757137, 2320794; 757102, 2320856;  
 757102, 2320918; 757125, 2321030;  
 757126, 2321037; 757127, 2321042;  
 757107, 2321136; 757104, 2321149;  
 757082, 2321207; 757031, 2321316;  
 757019, 2321449; 757019, 2321491;  
 757069, 2321583; 757108, 2321658;  
 757109, 2321661; 757127, 2321696;  
 757312, 2321727; 757278, 2321778;  
 757132, 2321784; 757073, 2321843;  
 757052, 2321922; 757086, 2322052;  
 757133, 2322103; 757133, 2322103;  
 return to starting point.

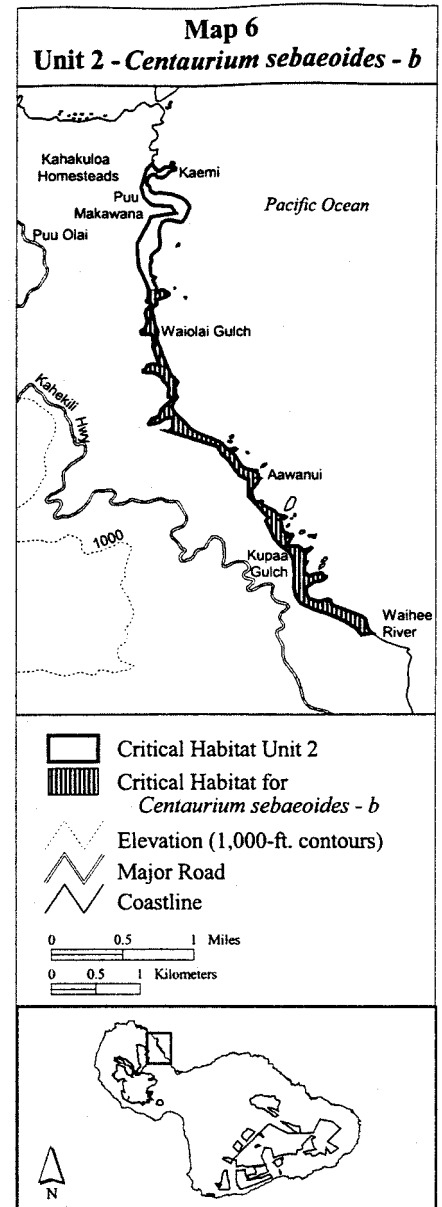
(B) Note: Map 5 follows:



(vi) Maui 2—*Centaurium sebaeoides*—b (27 ha; 66 ac).

(A) Unit consists of the following 106 boundary points and the intermediate coastline: Start at 757167, 2321145; 758803, 2318519; 758719, 2318510; 758683, 2318554; 758580, 2318620; 758534, 2318638; 758445, 2318673; 758344, 2318706; 758258, 2318748; 758224, 2318802; 758205, 2318870; 758210, 2318971; 758198, 2319087; 758172, 2319133; 758100, 2319189; 758059, 2319236; 757995, 2319372; 758013, 2319396; 758013, 2319396; 758013, 2319396; 757861, 2319563; 757861, 2319624; 757862, 2319690; 757794, 2319720; 757771, 2319757; 757727, 2319831; 757700, 2319852; 757658, 2319885; 757645, 2319908; 757626, 2319942; 757371, 2320024; 757267, 2320057; 757268, 2320058; 757272, 2320064; 757287, 2320085; 757291, 2320139; 757294, 2320164; 757273, 2320164; 757242, 2320158; 757201, 2320133; 757176, 2320121; 757115, 2320110; 757111, 2320116; 757132, 2320151; 757173, 2320169; 757193, 2320192; 757198, 2320217; 757211, 2320231; 757274, 2320293; 757290, 2320303; 757286, 2320313; 757285, 2320316; 757279, 2320318; 757259, 2320326; 757259, 2320339; 757260, 2320395; 757247, 2320416; 757243, 2320423; 757241, 2320425; 757213, 2320452; 757209, 2320469; 757205, 2320484; 757193, 2320485; 757184, 2320485; 757169, 2320504; 757152, 2320502; 757143, 2320509; 757089, 2320510; 757068, 2320516; 757067, 2320526; 757083, 2320535; 757093, 2320554; 757100, 2320567; 757138, 2320580; 757188, 2320568; 757191, 2320567; 757183, 2320582; 757171, 2320606; 757168, 2320622; 757167, 2320630; 757156, 2320685; 757142, 2320706; 757148, 2320745; 757139, 2320784; 757136, 2320795; 757126, 2320807; 757087, 2320802; 757054, 2320808; 757050, 2320822; 757051, 2320829; 757079, 2320846; 757094, 2320878; 757098, 2320909; 757087, 2320942; 757083, 2320967; 757092, 2320990; 757125, 2321030; 757127, 2321033; 757126, 2321037; 757124, 2321043; 757096, 2321047; 757094, 2321055; 757103, 2321074; 757107, 2321136; 757107, 2321139; 757167, 2321145; return to starting point.

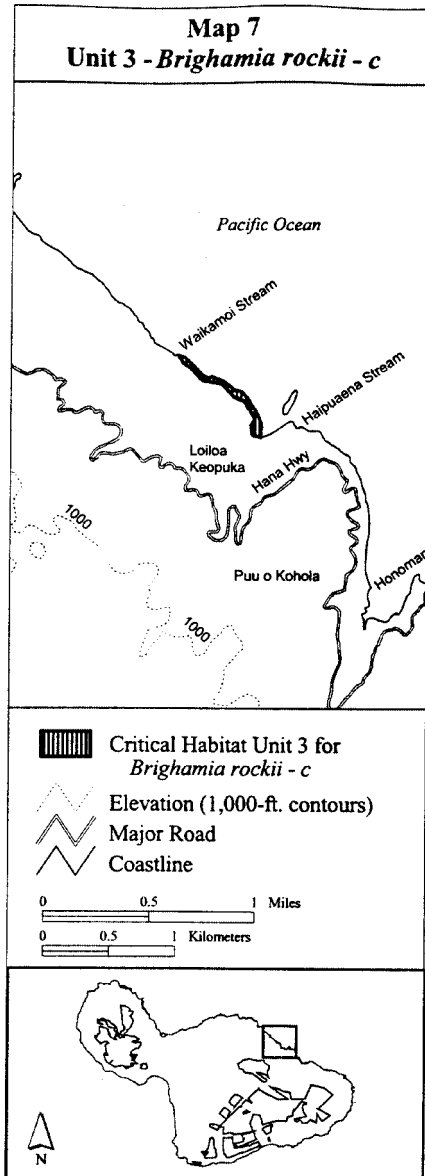
(B) Note: Map 6 follows:



(vii) Maui 3—*Brighamia rockii*—c (4 ha; 9 ac).

(A) Unit consists of the following 31 boundary points and the intermediate coastline: Start at 793379, 2311347; 793988, 2310722; 793937, 2310735; 793921, 2310750; 793918, 2310815; 793926, 2310829; 793943, 2310864; 793938, 2310875; 793940, 2310881; 793940, 2310881; 793940, 2310881; 793940, 2310881; 793931, 2310894; 793906, 2310935; 793885, 2310962; 793883, 2310973; 793856, 2311001; 793796, 2311026; 793781, 2311037; 793781, 2311037; 793768, 2311053; 793690, 2311134; 793635, 2311144; 793569, 2311152; 793544, 2311158; 793534, 2311167; 793459, 2311247; 793399, 2311287; 793362, 2311345; 793379, 2311347; return to starting point.

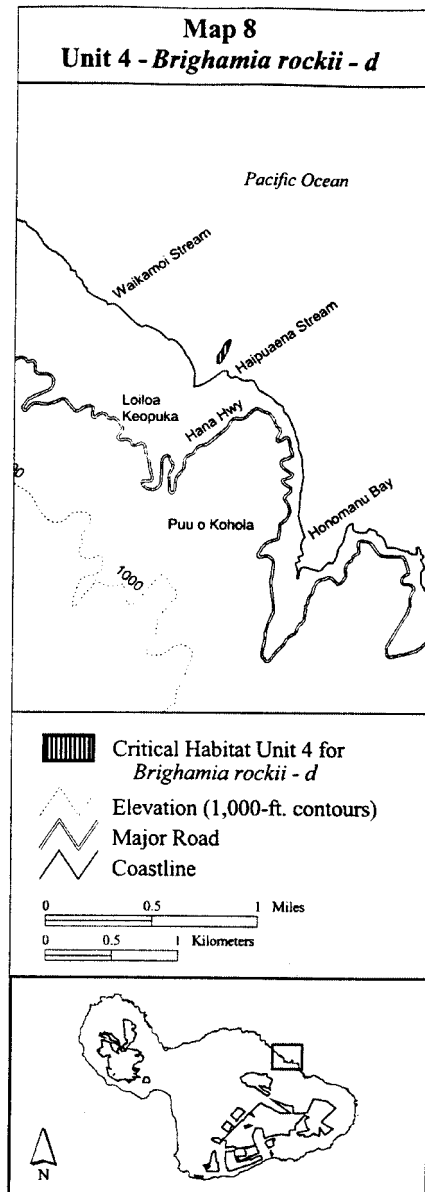
(B) Note: Map 7 follows:



(viii) Maui 4—*Brighamia rockii*—d (1 ha; 2 ac).

(A) Unit consists of the entire offshore island located at approximately: 794212, 2310986.

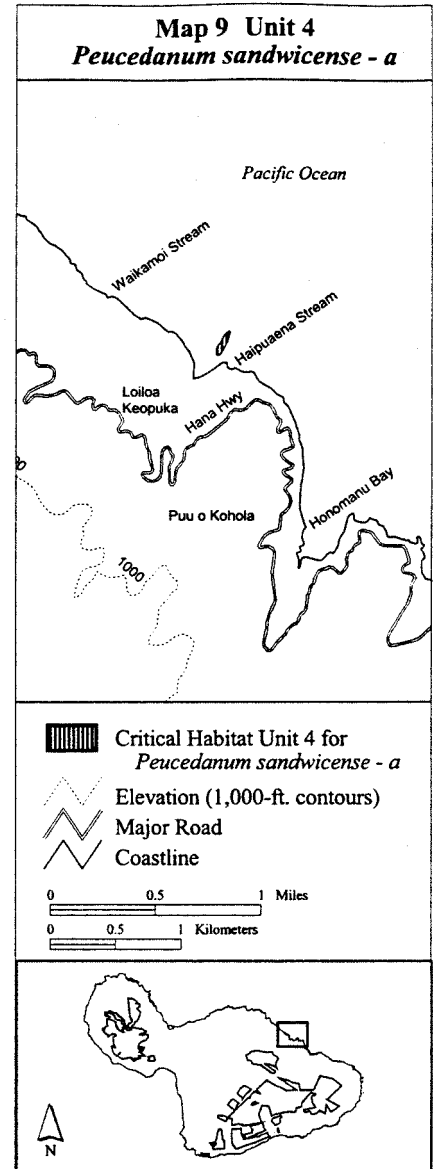
(B) Note: Map 8 follows:



(ix) Maui 4—*Peucedanum sandwicense*—a (1 ha; 2 ac).

(A) Unit consists of the entire offshore island located at approximately: 794212, 2310986.

(B) Note: Map 9 follows:

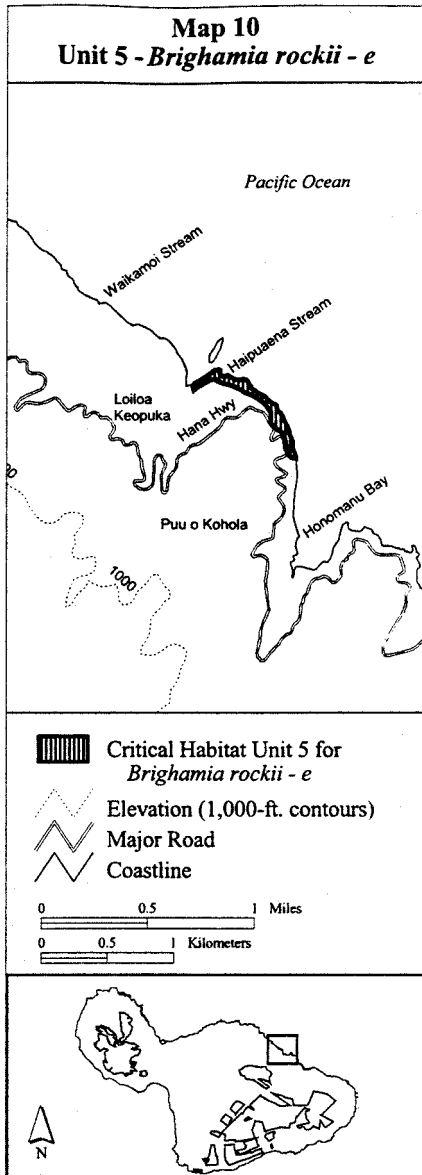


(x) Maui 5—*Brighamia rockii*—e (6 ha; 15 ac).

(A) Unit consists of the following 46 boundary points and the intermediate coastline: Start at 794814, 2310166; 794778, 2310176; 794770, 2310182; 794756, 2310193; 794756, 2310217; 794742, 2310240; 794739, 2310261; 794733, 2310282; 794733, 2310282; 794733, 2310282; 794732, 2310303; 794731, 2310313; 794728, 2310324; 794728, 2310324; 794728, 2310324; 794721, 2310337; 794712, 2310344; 794707, 2310362; 794706, 2310368; 794706, 2310368; 794706, 2310368; 794665, 2310393; 794660, 2310404; 794652, 2310413; 794642, 2310419; 794632, 2310428; 794632, 2310428; 794629, 2310436; 794625, 2310446; 794622, 2310523; 794573, 2310595; 794492, 2310647; 794439, 2310671; 794411, 2310685; 794335, 2310724; 794326, 2310728; 794266, 2310740;

794242, 2310754; 794222, 2310764; 794210, 2310773; 794177, 2310772; 794066, 2310705; 794050, 2310688; 794040, 2310715; 794043, 2310738; 794043, 2310738; return to starting point.

(B) Note: Map 10 follows:

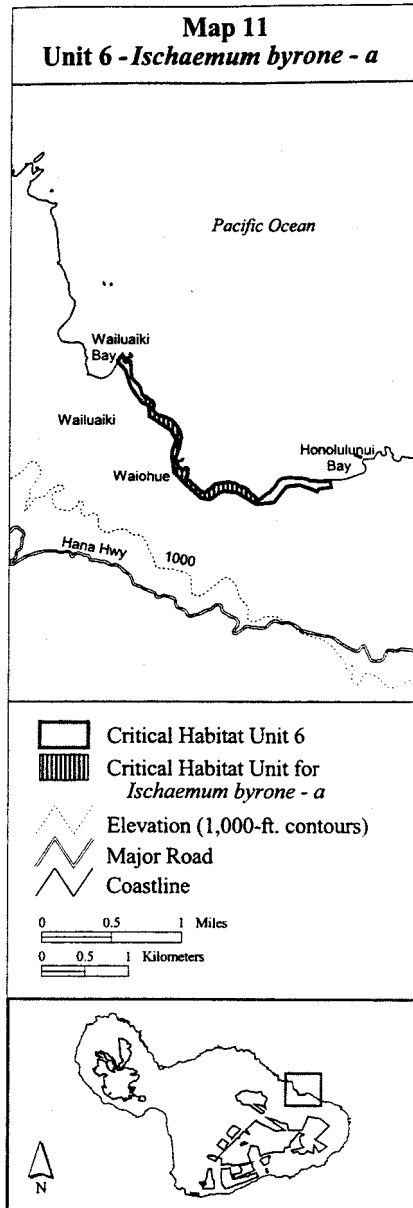


(xi) Maui 6—*Ischaemum byrone*—a (17 ha; 43 ac).

(A) Unit consists of the following 34 boundary points and the intermediate coastline: Start at 799822, 2306499; 801132, 2305284; 801131, 2305234; 801117, 2305232; 801048, 2305275; 800891, 2305373; 800731, 2305387; 800581, 2305284; 800517, 2305297; 800481, 2305305; 800472, 2305307; 800472, 2305307; 800265, 2305505; 800166, 2305599; 800166, 2305599; 800166, 2305599; 800159, 2305694; 800147, 2305843; 800147, 2305849; 800147, 2305849; 800190, 2305990;

800138, 2306094; 800138, 2306094; 800060, 2306148; 800001, 2306188; 800001, 2306188; 799917, 2306240; 799879, 2306263; 799874, 2306386; 799796, 2306425; 799795, 2306425; 799795, 2306425; 799795, 2306425; 799822, 2306499; return to starting point.

(B) Note: Map 11 follows:

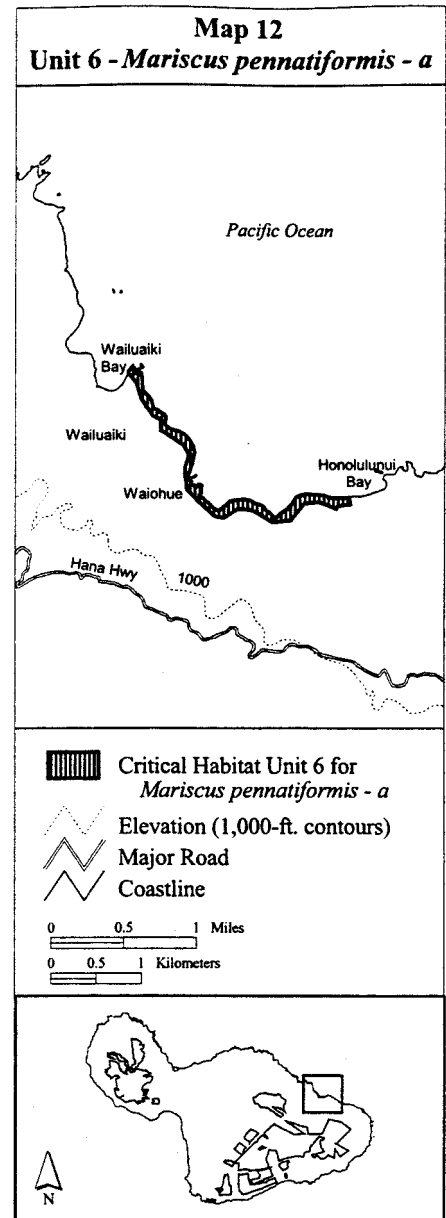


(xii) Maui 6—*Mariscus pennatiformis*—a (30 ha; 75 ac).

(A) Unit consists of the following 47 boundary points and the intermediate coastline: Start at 799656, 2306630; 799606, 2306800; 799516, 2306902; 799516, 2306902; 801972, 2305512; 801972, 2305512; 801981, 2305435; 801840, 2305416; 801825, 2305385; 801734, 2305421; 801628, 2305464; 801558, 2305455; 801466, 2305444;

801320, 2305260; 801117, 2305232; 801067, 2305263; 801048, 2305275; 800896, 2305373; 800734, 2305390; 800586, 2305288; 800517, 2305297; 800517, 2305297; 800481, 2305305; 800481, 2305305; 800289, 2305482; 800265, 2305505; 800171, 2305595; 800159, 2305694; 800150, 2305769; 800147, 2305842; 800147, 2305843; 800171, 2305927; 800190, 2305990; 800156, 2306059; 800136, 2306101; 800060, 2306148; 800060, 2306148; 800001, 2306188; 799917, 2306240; 799917, 2306240; 799886, 2306262; 799874, 2306391; 799795, 2306425; 799789, 2306428; 799723, 2306527; 799721, 2306530; 799656, 2306630; return to starting point.

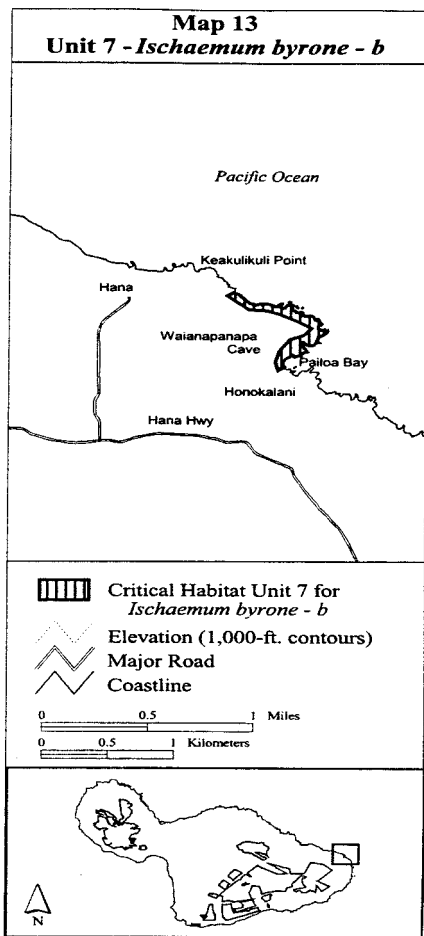
(B) Note: Map 12 follows:



(xiii) Maui 7—*Ischaemum byrone*—b (11 ha; 27 ac).

(A) Unit consists of the following 15 boundary points and the intermediate coastline: Start at 811597, 2302341; 811983, 2301617; 811982, 2301617; 811936, 2301585; 811916, 2301671; 811945, 2301774; 812026, 2301885; 812133, 2301927; 812193, 2301995; 812092, 2302061; 811938, 2302135; 811849, 2302164; 811717, 2302172; 811546, 2302307; 811597, 2302341; return to starting point.; return to starting point.

(B) Note: Map 13 follows:

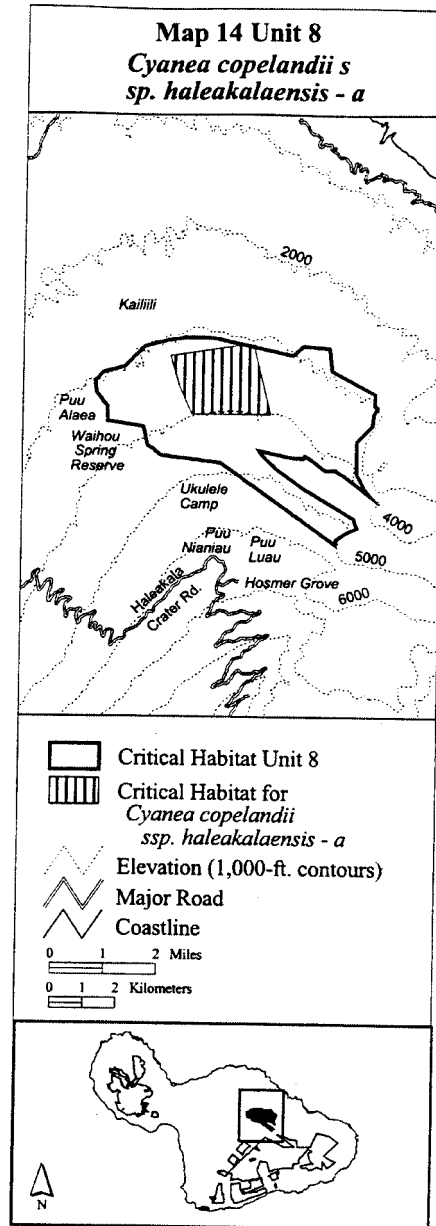


(xiv) Maui 8—*Cyanea copelandii* ssp. *haleakalaensis*—a (501 ha; 1,238 ac).

(A) Unit consists of the following 10 boundary points: Start at 787682, 2306203; 787708, 2306208; 787902, 2306166; 787967, 2306151; 788003, 2306143; 788005, 2306134; 788521,

2304072; 786138, 2304072; 785730, 2304957; 785457, 2305842; return to starting point.

(B) Note: Map 14 follows:

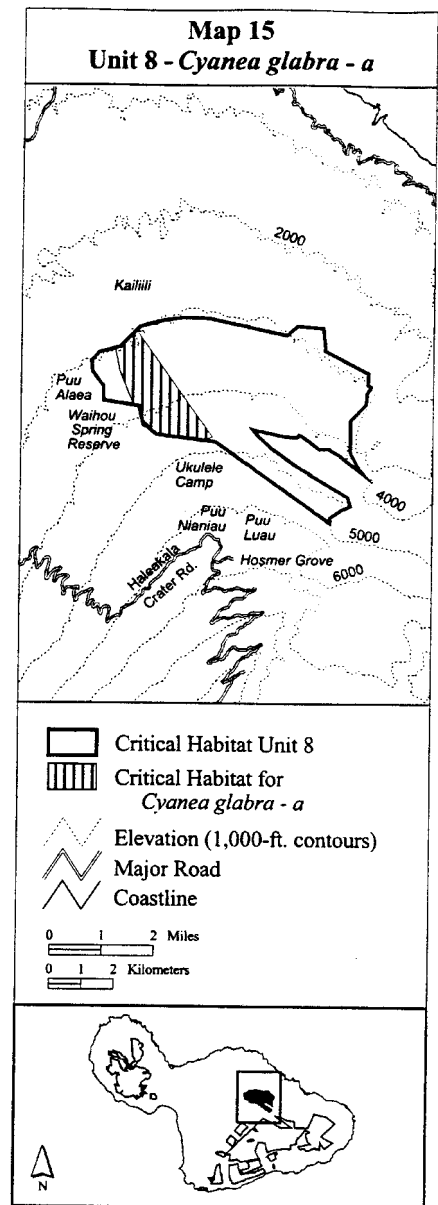


(xv) Maui 8—*Cyanea glabra*—a (450 ha; 1,112 ac).

(A) Unit consists of the following 29 boundary points: Start at 783933, 2305472; 783933, 2305473; 783961, 2305480; 784075, 2305511; 784100, 2305536; 784575, 2306024; 784578, 2306020; 786938, 2302713; 786676, 2302611; 786661, 2302613; 786491, 2302633; 786339, 2302653; 786280, 2302660; 786106, 2302680; 786032, 2302690; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785357, 2302772; 785246, 2302785; 785242, 2302786; 785188, 2302835; 784760, 2303276; 784660,

2303678; 784487, 2303704; 784079, 2304760; 784008, 2305132; 783955, 2305292; return to starting point.

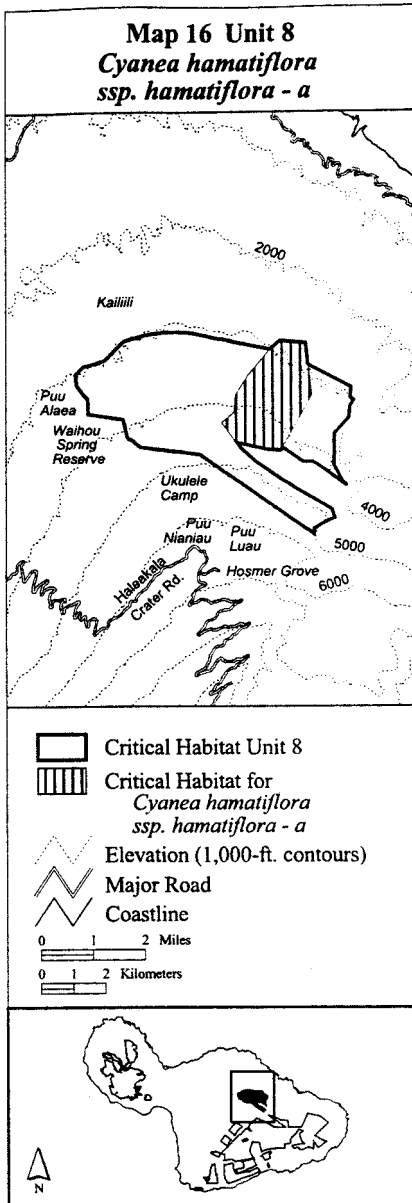
(B) Note: Map 15 follows:



(xvi) Maui 8—*Cyanea hamatiflora* ssp. *hamatiflora*—a (611 ha; 1,509 ac).

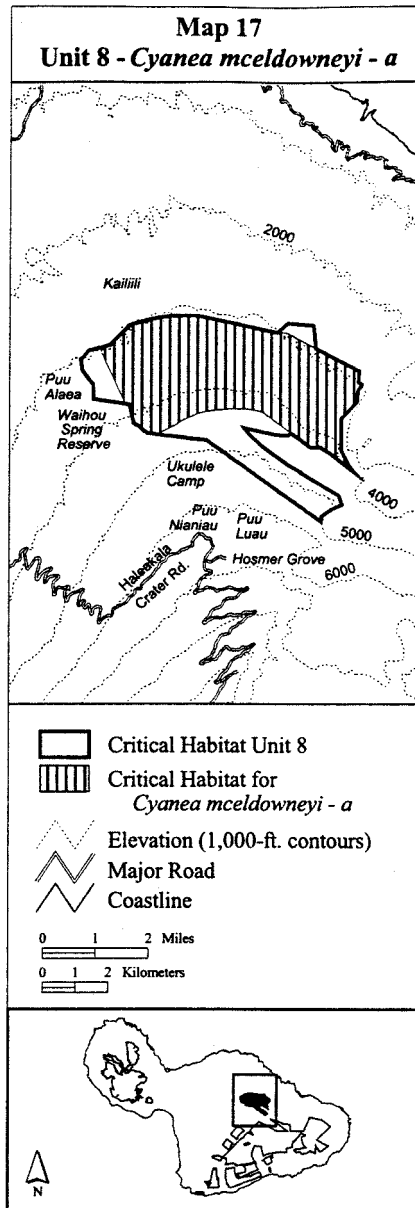
(A) Unit consists of the following 17 boundary points: Start at 789198, 2305890; 789215, 2305911; 789515, 2306162; 790281, 2306097; 790352, 2305511; 790360, 2305448; 790364, 2305412; 790482, 2304451; 789577, 2302791; 789530, 2302705; 789179, 2302726; 788179, 2302942; 788149, 2302948; 787716, 2303565; 788077, 2303893; 788127, 2304437; 788521, 2305059; return to starting point.

(B) Note: Map 16 follows:



2303538; 787076, 2303479; 786758, 2303386; 786339, 2303226; 786095, 2303051; 785740, 2302863; 785554, 2302748; 785510, 2302753; 785357, 2302772; 785246, 2302785; 785206, 2302791; 785067, 2302898; 784947, 2303017; 784875, 2303047; 784803, 2303101; 784660, 2303678; 784551, 2303694; 783794, 2305326; 784087, 2305516; 784183, 2305615; return to starting point.

(B) Note: Map 17 follows:

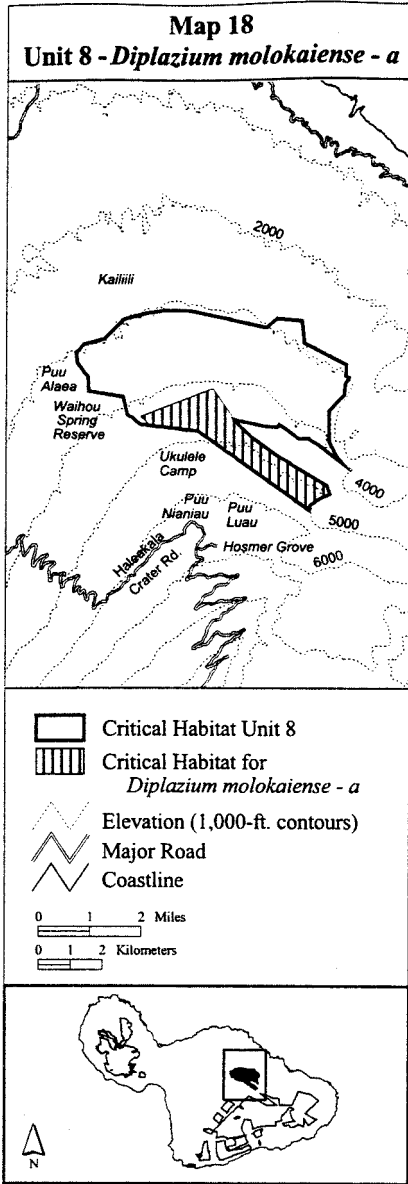


2300577; 790858, 2300440; 790545, 2300227; 790534, 2300210; 790469, 2300111; 790425, 2300143; 790396, 2300164; 790270, 2300253; 790224, 2300285; 790198, 2300304; 790089, 2300382; 790055, 2300406; 790028, 2300425; 789912, 2300508; 789880, 2300531; 789749, 2300625; 789706, 2300655; 789647, 2300697; 789572, 2300752; 789531, 2300780; 789502, 2300802; 789471, 2300823; 789458, 2300832; 789393, 2300880; 789355, 2300906; 789339, 2300917; 789210, 2301009; 789182, 2301030; 789152, 2301051; 789038, 2301132; 789009, 2301153; 788981, 2301173; 788864, 2301257; 788834, 2301279; 788804, 2301301; 788692, 2301381; 788635, 2301422; 788527, 2301498; 788489, 2301526; 788434, 2301565; 788343, 2301629; 788313, 2301650; 788288, 2301668; 788190, 2301738; 788141, 2301774; 788117, 2301792; 787998, 2301875; 787965, 2301899; 787938, 2301919; 787838, 2301989; 787796, 2302020; 787771, 2302038; 787661, 2302116; 787622, 2302144; 787597, 2302162; 787492, 2302236; 787423, 2302286; 787307, 2302369; 787253, 2302408; 787141, 2302489; 787105, 2302512; 787079, 2302531; 787026, 2302568; 787026, 2302569; 786951, 2302579; 786738, 2302604; 786661, 2302613; 786491, 2302633; 786339, 2302653; 786280, 2302660; 786106, 2302680; 786032, 2302690; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785504, 2302754; 785239, 2303033; 785221, 2303039; 785230, 2303043; 785221, 2303052; 785248, 2303050; 787496, 2303927; return to starting point.

(B) Note: Map 18 follows:

(xvii) Maui 8—*Cyanea mceldowneyi*—a (2,127 ha; 5,256 ac).  
 (A) Unit consists of the following 56 boundary points: Start at 784578, 2306020; 784691, 2306136; 785400, 2306325; 785976, 2306411; 786598, 2306408; 786651, 2306403; 786837, 2306385; 787682, 2306203; 788005, 2306134; 789162, 2305885; 789198, 2305890; 789297, 2305904; 789492, 2305870; 790364, 2305412; 791696, 2304712; 791696, 2304710; 791671, 2304359; 791781, 2304297; 791780, 2304294; 791653, 2304101; 791627, 2303742; 791158, 2303230; 791158, 2302616; 791149, 2302250; 791407, 2301760; 791550, 2301582; 790766, 2302188; 790511, 2302348; 790503, 2302354; 790502, 2302354; 790198, 2302345; 790198, 2302344; 789827, 2302625; 788750, 2303441; 788540, 2303493; 788181, 2303547; 787765,

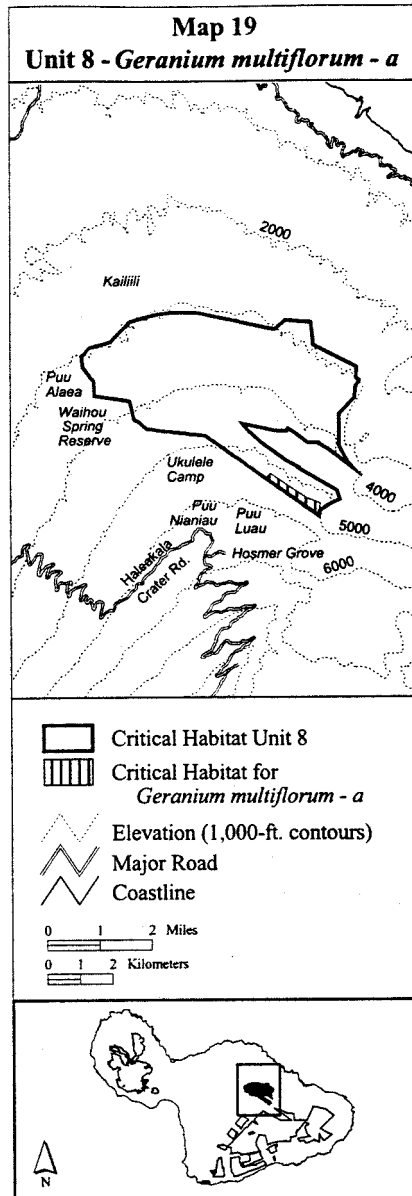
(xviii) Maui 8—*Diplazium molokaiense*—a (574 ha; 1,419 ac).  
 (A) Unit consists of the following 91 boundary points: Start at 788179, 2302942; 788284, 2302790; 788714, 2302383; 789527, 2301802; 789911, 2301569; 789906, 2301556; 791083, 2300859; 791083, 2300858; 791164,



(xix) Maui 8—*Geranium multiflorum*—a (46 ha; 113 ac).

(A) Unit consists of the following 32 boundary points: Start at 790534, 2300210; 790525, 2300071; 790425, 2300143; 790396, 2300164; 790270, 2300253; 790224, 2300285; 790198, 2300304; 790089, 2300382; 790055, 2300406; 790028, 2300425; 789912, 2300508; 789880, 2300531; 789749, 2300625; 789706, 2300655; 789647, 2300697; 789572, 2300752; 789531, 2300780; 789502, 2300802; 789466, 2300826; 789393, 2300880; 789355, 2300906; 789339, 2300917; 789210, 2301009; 789182, 2301030; 789152, 2301051; 789038, 2301132; 789009, 2301153; 788981, 2301173; 788881, 2301245; 789034, 2301393; 790128, 2300638; 790551, 2300470; return to starting point.

(B) Note: Map 19 follows:

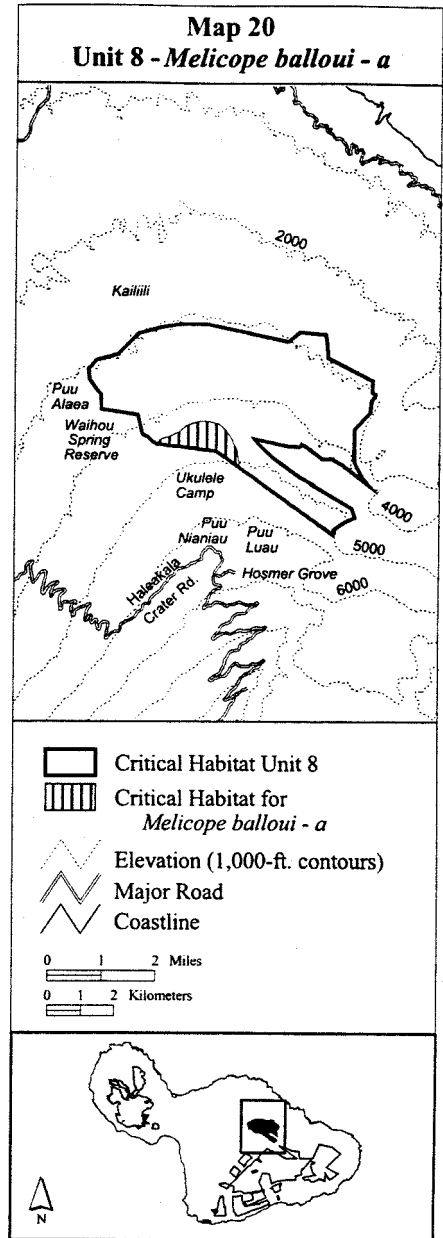


(xx) Maui 8—*Melicope balloui*—a (151 ha; 374 ac).

(A) Unit consists of the following 42 boundary points: Start at 787661, 2302116; 787622, 2302144; 787597, 2302162; 787492, 2302236; 787423, 2302286; 787307, 2302369; 787253, 2302408; 787141, 2302489; 787105, 2302512; 787079, 2302531; 787026, 2302568; 787026, 2302569; 786951, 2302579; 786738, 2302604; 786661, 2302613; 786491, 2302633; 786339, 2302653; 786280, 2302660; 786106, 2302680; 786032, 2302690; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785357, 2302772; 785248, 2302785; 785306, 2302888; 785406, 2302943; 785630, 2303011; 785923, 2303157; 786143, 2303330; 786357, 2303424; 786541, 2303481; 786781, 2303481; 787100, 2303408; 787288, 2303230; 787513,

2302911; 787513, 2302859; 787634, 2302639; 787702, 2302252; 787717, 2302148; 787677, 2302105; return to starting point.

(B) Note: Map 20 follows:

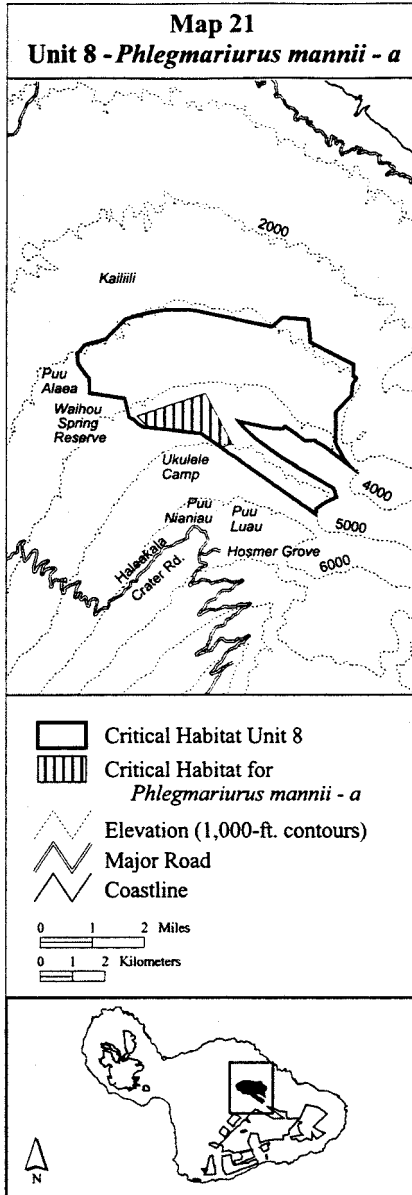


(xxi) Maui 8—*Phlegmariurus manni*—a (221 ha; 547 ac).

(A) Unit consists of the following 28 boundary points: Start at 787622, 2302144; 787597, 2302162; 787492, 2302236; 787423, 2302286; 787307, 2302369; 787253, 2302408; 787141, 2302489; 787105, 2302512; 787079, 2302531; 787026, 2302568; 787026, 2302569; 786951, 2302579; 786738, 2302604; 786661, 2302613; 786491, 2302633; 786339, 2302653; 786280, 2302660; 786106, 2302680; 786032, 2302690; 785884, 2302707; 785796,

2302718; 785680, 2302732; 785510, 2302753; 785414, 2302765; 785047, 2303112; 787157, 2303805; 787966, 2302253; 787643, 2302129; return to starting point.

(B) Note: Map 21 follows:

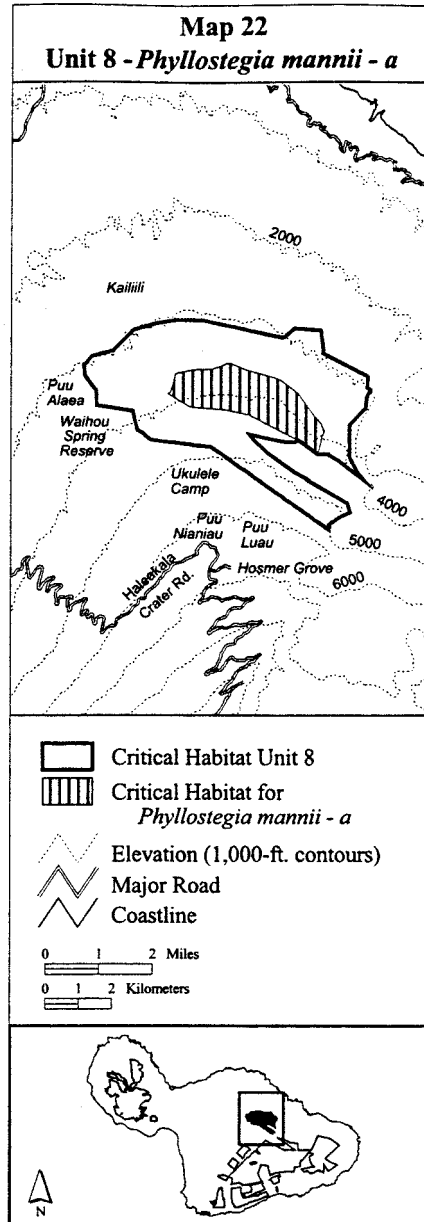


(xxii) Maui 8—*Phyllostegia mannii*—a (570 ha; 1,407 ac).

(A) Unit consists of the following 26 boundary points: Start at 789827, 2302625; 789610, 2302774; 789577, 2302791; 788148, 2303539; 787484, 2303692; 786396, 2303777; 785739, 2304188; 785794, 2304239; 785860, 2304480; 785944, 2304792; 786485, 2304912; 787026, 2304936; 787302, 2305014; 787488, 2305093; 787615, 2305093; 788065, 2304906; 788906, 2304672; 789100, 2304588; 789615, 2304203; 789825, 2303873; 790084, 2303525; 790288, 2303290; 790396,

2303032; 790324, 2302870; 790294, 2302671; 790206, 2302365; return to starting point.

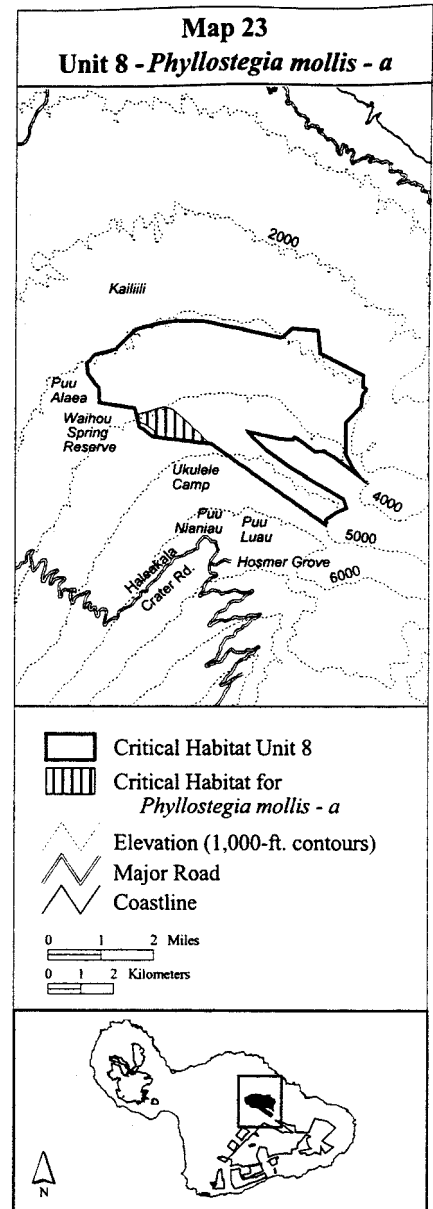
(B) Note: Map 22 follows:



(xxiii) Maui 8—*Phyllostegia mollis*—a (128 ha; 316 ac).

(A) Unit consists of the following 20 boundary points: Start at 785938, 2302701; 785884, 2302707; 785796, 2302718; 785680, 2302732; 785510, 2302753; 785357, 2302772; 785247, 2302785; 785274, 2302870; 785281, 2302986; 784974, 2303191; 784840, 2303242; 784725, 2303477; 785401, 2303682; 785589, 2303726; 785845, 2303639; 786322, 2303224; 786467, 2303065; 786660, 2302911; 786775, 2302757; 786962, 2302596; return to starting point.

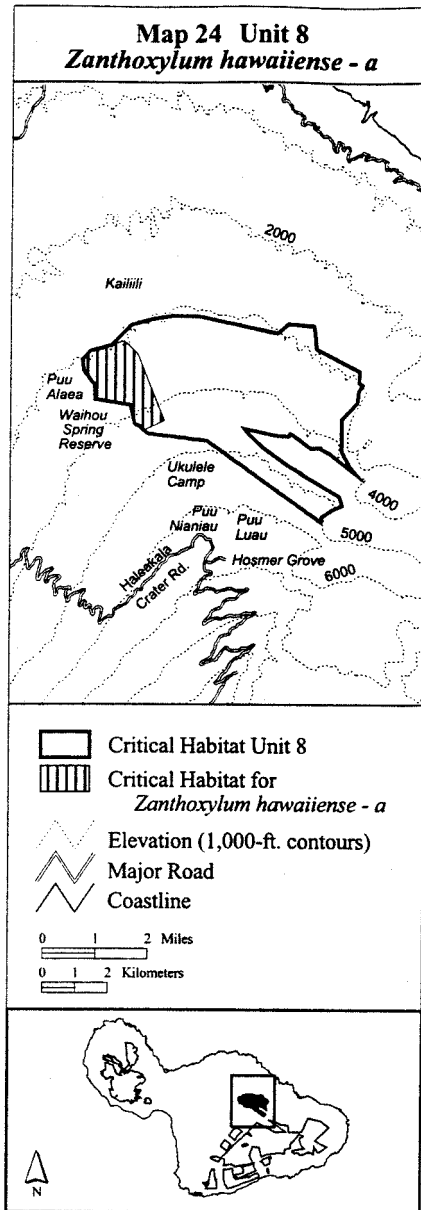
(B) Note: Map 23 follows:



(xxiv) Maui 8—*Zanthoxylum hawaiiense*—a (362 ha; 895 ac)

(A) Unit consists of the following 24 boundary points: Start at 783221, 2305104; 783425, 2305329; 783765, 2305418; 783933, 2305472; 783961, 2305480; 783967, 2305482; 784075, 2305511; 784083, 2305519; 784480, 2305646; 784882, 2305244; 785713, 2303193; 785079, 2302889; 785056, 2302911; 784947, 2303017; 784803, 2303101; 784660, 2303678; 783584, 2303838; 783583, 2303838; 783559, 2304310; 783487, 2304405; 783488, 2304406; 783486, 2304406; 783228, 2304747; 783196, 2305076; return to starting point.

(B) Note: Map 24 follows:



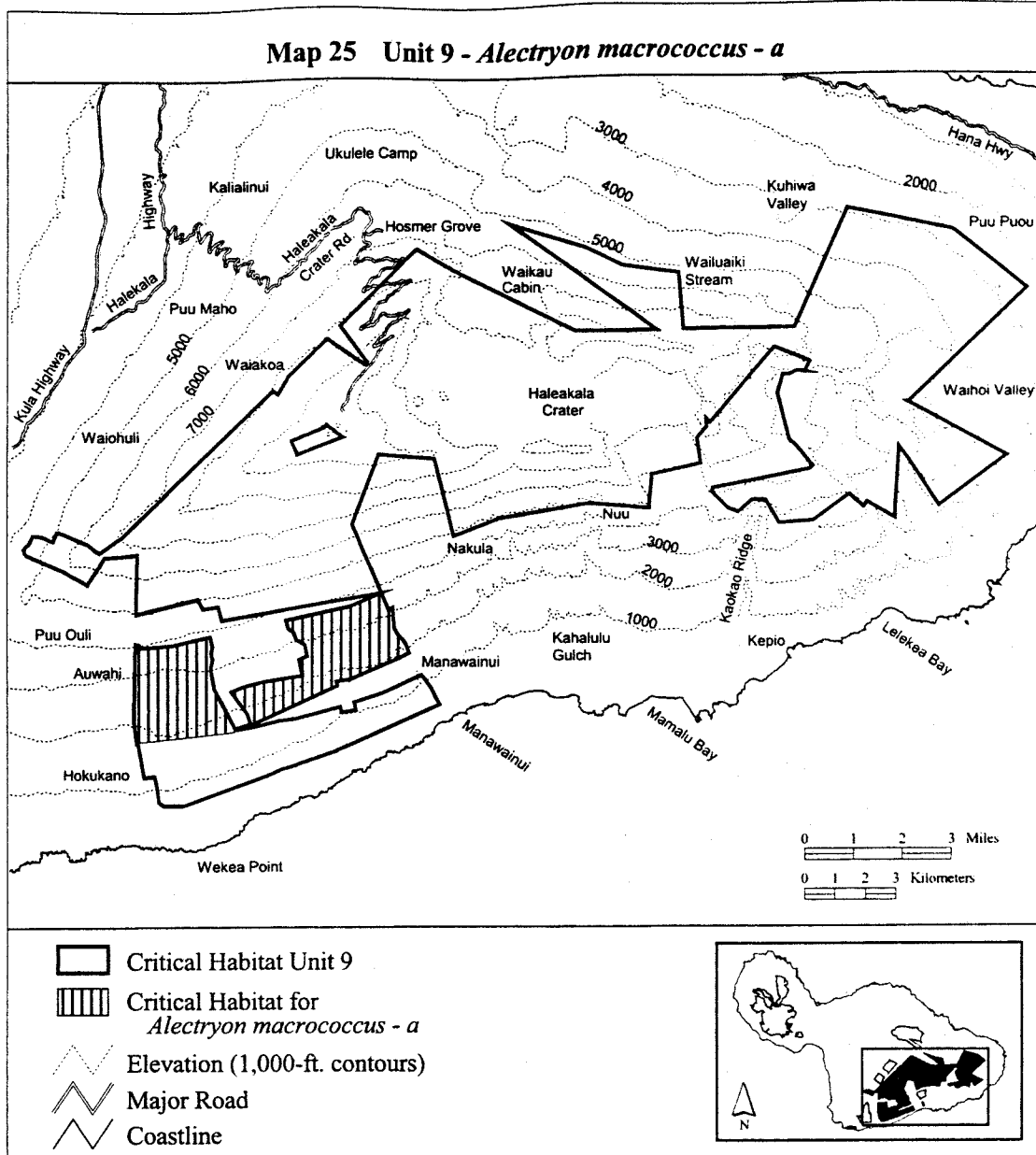
(xxv) Maui 9—*Alectryon macrococcus*—a (1,893 ha; 4,678 ac).

(A) Unit consists of the following 87 boundary points: Start at 787503, 2286804; 787552, 2286825; 787793, 2286254; 787882, 2286300; 787924, 2286322; 787969, 2285836; 787982, 2285645; 788112, 2285409; 788112, 2285408; 788269, 2285261; 788387, 2285086; 788485, 2284821; 788486, 2284815; 788116, 2284626; 788115, 2284625; 786708, 2284032; 786514, 2283946; 786511, 2283963; 786509, 2283964; 786072, 2283891; 786071, 2283889; 786091, 2283757; 785721, 2283591; 782955, 2282353; 782675, 2282228; 779507, 2281898; 779470, 2281894; 779468, 2281911; 779453, 2282018; 779433, 2282157; 779422, 2282233; 779414, 2282298; 779404, 2282370; 779384, 2282500; 779372, 2282586; 779369, 2282603; 779370, 2282710; 779372, 2282813; 779377, 2282926; 779379, 2283091; 779379, 2283156; 779384, 2283260; 779385, 2283362; 779386, 2283461; 779389, 2283570; 779391, 2283672; 779394, 2283769; 779397, 2283875; 779398, 2283992; 779401, 2284094; 779401, 2284203; 779403, 2284241; 779406, 2284322; 779413, 2284560; 779419, 2284768; 779424, 2284997; 779552, 2285008; 780605, 2285094; 781897, 2285373; 781955, 2285060; 781922, 2284849; 781966, 2284605; 781901, 2284319; 782031, 2283673; 782383, 2282985; 782730, 2282341; 782731, 2282340; 783230, 2282513; 783231, 2282514; 783231, 2282515; 783112, 2282851; 782588, 2283565; 782997, 2283742; 783717, 2283910; 784941, 2284105; 784942, 2284105; 784943, 2284107; 784824, 2284610; 785088, 2284723; 785089, 2284725; 785013, 2285109; 785013, 2285110; 784720, 2285273; 784639, 2285527; 784482,

2285614; 784385, 2285911; 786496, 2286367; return to starting point.

(B) Note: Map 25 follows:





(xxvi) Maui 9—*Argyroxiphium sandwicense* ssp. *macrocephalum*—a (9,041 ha; 22,340 ac).

(A) Unit consists of the following 159 boundary points: Start at 778986, 2288684; 778989, 2288687; 779048, 2288746; 779070, 2288768; 780400, 2290082; 780392, 2290088; 780380, 2290097; 781358, 2291060; 781772, 2291467; 783957, 2293620; 784132, 2293514; 784471, 2294125; 785753, 2295387; 785766, 2295377; 785773, 2295373; 785784, 2295366; 785798, 2295356; 785812, 2295346; 785831, 2295333; 785843, 2295325; 785871, 2295305; 785887, 2295294; 785904, 2295283; 785906, 2295281; 785922, 2295270; 785931, 2295264; 785949, 2295252; 785962, 2295242; 785975,

2295233; 785995, 2295220; 786007, 2295211; 786012, 2295208; 786032, 2295194; 786034, 2295193; 786047, 2295183; 786054, 2295179; 786071, 2295167; 786099, 2295147; 786102, 2295145; 786104, 2295144; 786108, 2295141; 786113, 2295137; 786127, 2295127; 786136, 2295121; 786146, 2295115; 786153, 2295110; 786155, 2295108; 786173, 2295096; 786193, 2295082; 786225, 2295060; 786238, 2295051; 786290, 2295015; 786293, 2295013; 786317, 2294997; 786332, 2294986; 786344, 2294978; 786351, 2294973; 786354, 2294971; 786363, 2294965; 786368, 2294961; 786378, 2294954; 786390, 2294945; 786395, 2294943; 786413, 2294930; 786415, 2294929; 786420, 2294926; 786424,

2294923; 786464, 2294895; 786474, 2294887; 786483, 2294882; 786493, 2294875; 786507, 2294865; 786518, 2294857; 786525, 2294853; 786537, 2294844; 786558, 2294830; 786582, 2294813; 786597, 2294803; 786600, 2294801; 786616, 2294789; 786634, 2294777; 786668, 2294753; 786701, 2294730; 786716, 2294721; 786759, 2294691; 786775, 2294680; 786777, 2294679; 786791, 2294668; 786810, 2294655; 786824, 2294646; 786843, 2294633; 786895, 2294597; 786905, 2294591; 786915, 2294583; 786917, 2294582; 786938, 2294566; 786957, 2294554; 786990, 2294532; 787001, 2294523; 787015, 2294513; 787022, 2294508; 787024, 2294508; 787025, 2294508; 787038, 2294530; 787082,

2294593; 786188, 2295812; 788190,  
 2297786; 788404, 2297994; 788742,  
 2298301; 788752, 2298310; 788754,  
 2298309; 788785, 2298291; 788906,  
 2298219; 788934, 2298204; 788940,  
 2298201; 788942, 2298200; 788965,  
 2298185; 789012, 2298158; 789034,  
 2298146; 789372, 2297947; 789683,  
 2297771; 789712, 2297753; 789756,  
 2297728; 789999, 2297585; 790577,  
 2297304; 790826, 2297180; 791591,  
 2296795; 794000, 2295593; 795810,  
 2295621; 795945, 2295623; 796322,  
 2295627; 796366, 2295628; 796367,  
 2295628; 796710, 2295632; 796712,  
 2295633; 796712, 2295635; 796322,  
 2295917; 796064, 2296102; 795805,  
 2296286; 795433, 2296550; 797565,

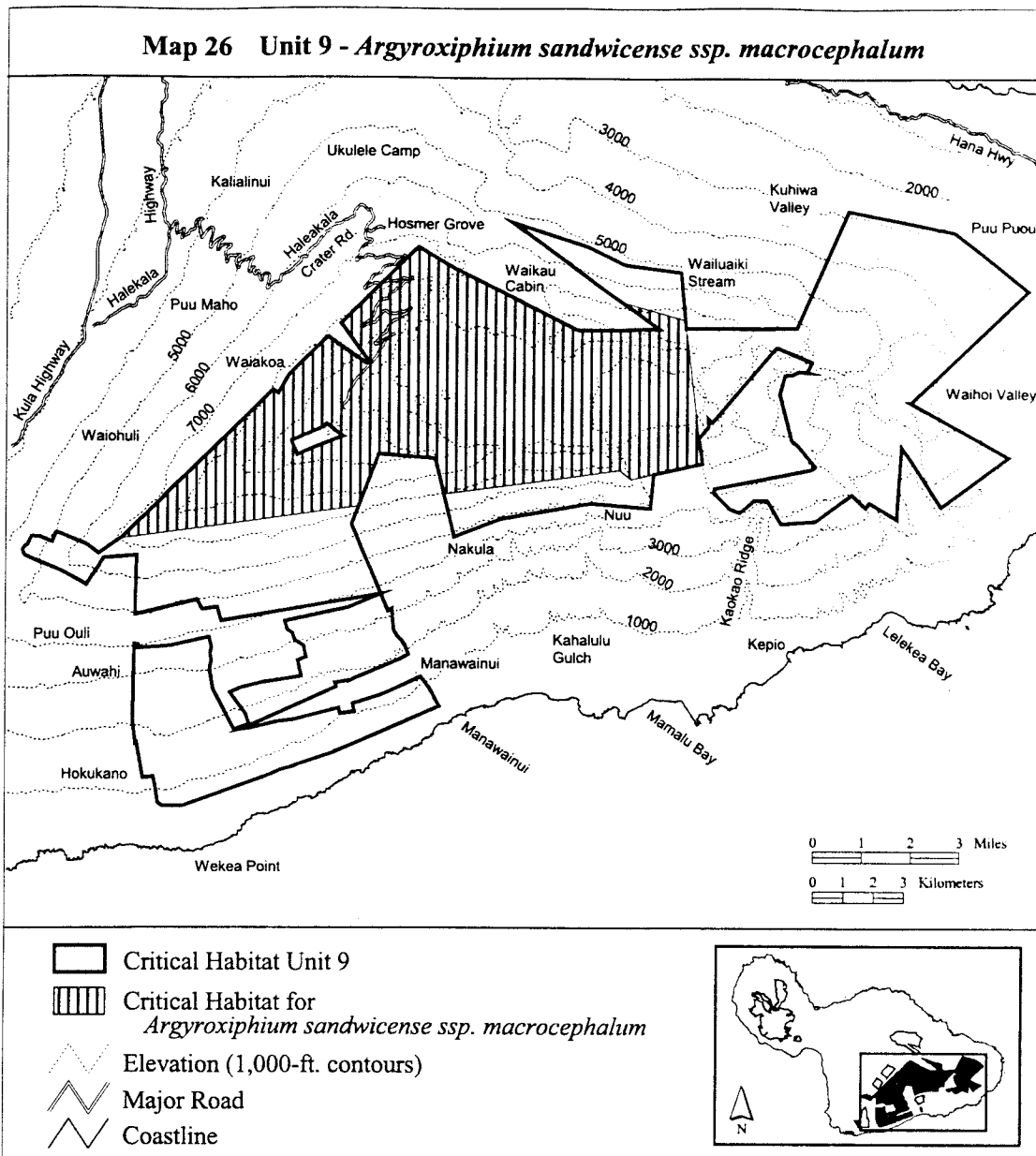
2295906; 797569, 2295864; 797581,  
 2295638; 797634, 2295413; 798056,  
 2292032; 798056, 2292031; 798107,  
 2291624; 798165, 2291162; 796929,  
 2290891; 796545, 2290807; 795794,  
 2290643; 795424, 2290939; 795382,  
 2290933; 789630, 2290134; 789516,  
 2290615; 789343, 2291348; 787469,  
 2291492; 786812, 2289742; 778932,  
 2288646; return to starting point.

(B) Excluding the area bounded by the following 42 boundary points (76ha; 189ac):

Start at 784680, 2291987; 784747,  
 2292015; 784786, 2292031; 784910,  
 2292083; 784946, 2292099; 784984,  
 2292116; 785051, 2292143; 785110,  
 2292167; 785146, 2292182; 785204,

2292207; 785308, 2292250; 785341,  
 2292265; 785383, 2292282; 785501,  
 2292330; 785537, 2292346; 785576,  
 2292362; 785614, 2292410; 785643,  
 2292390; 785674, 2292428; 785689,  
 2292448; 785732, 2292503; 785780,  
 2292466; 785847, 2292414; 785871,  
 2292394; 785930, 2292350; 785942,  
 2292341; 785983, 2292310; 785993,  
 2292302; 786016, 2292284; 786041,  
 2292263; 786107, 2292213; 786138,  
 2292189; 786181, 2292155; 786209,  
 2292133; 786238, 2292111; 786263,  
 2292091; 785264, 2291677; 784769,  
 2291468; 784742, 2291524; 784703,  
 2291618; 784568, 2291939; 784568,  
 2291941; return to starting point.

(C) Note: Map 26 follows:



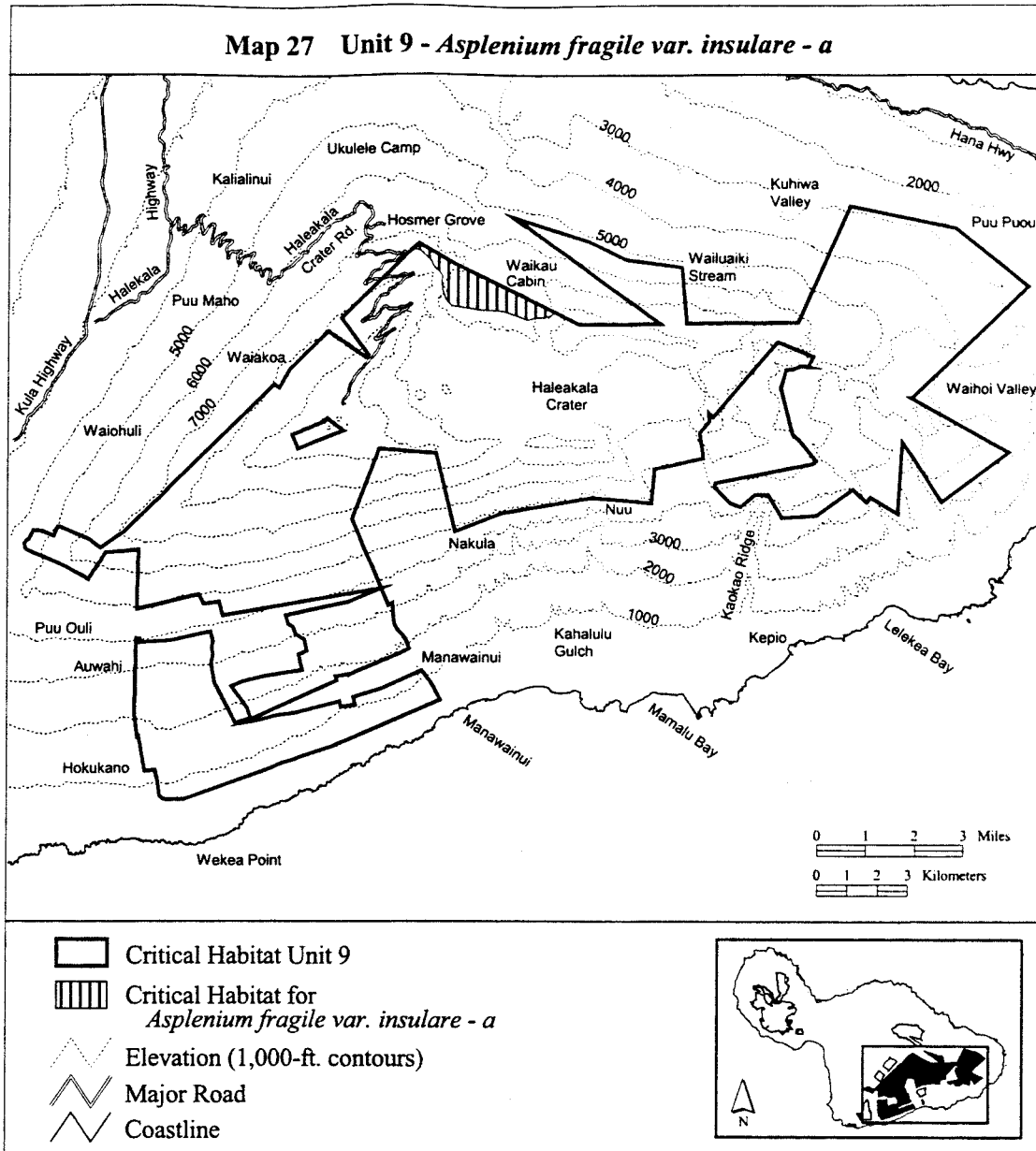
(xxvii) Maui 9—*Asplenium fragile* var. *insulare*—a (362 ha; 894 ac).

(A) Unit consists of the following 74 boundary points: Start at 788543, 2298123; 788563, 2298140; 788600, 2298173; 788754, 2298309; 788785, 2298291; 788906, 2298219; 788934, 2298204; 788942, 2298200; 788965, 2298185; 789012, 2298158; 789097, 2298111; 789125, 2298094; 789154, 2298077; 789279, 2298004; 789310, 2297986; 789342, 2297969; 789450, 2297905; 789495, 2297879; 789521, 2297863; 789656, 2297787; 789683, 2297771; 789712, 2297753; 789841,

2297681; 789867, 2297664; 789901, 2297645; 789955, 2297614; 790033, 2297574; 790061, 2297560; 790093, 2297545; 790216, 2297485; 790249, 2297467; 790279, 2297452; 790304, 2297441; 790412, 2297387; 790443, 2297372; 790472, 2297357; 790581, 2297304; 790638, 2297276; 790666, 2297261; 790719, 2297235; 790800, 2297196; 790831, 2297181; 790865, 2297163; 790992, 2297102; 791409, 2296895; 791824, 2296689; 792240, 2296482; 792444, 2296380; 792449, 2296378; 792655, 2296275; 793070,

2296068; 793155, 2296026; 793157, 2295951; 793118, 2295890; 792901, 2295834; 792611, 2295823; 792304, 2295750; 791909, 2295901; 791480, 2296046; 791067, 2296068; 790755, 2296079; 790543, 2296118; 789819, 2296246; 789629, 2296452; 789535, 2296731; 789485, 2296976; 789512, 2297221; 789514, 2297223; 789451, 2297316; 789306, 2297478; 789212, 2297600; 789145, 2297717; 788799, 2298069; 788554, 2298124; return to starting point.

(B) Note: Map 27 follows:



(xxviii) Maui 9—*Bidens micrantha* ssp. *kalealaha*—a (1,563 ha; 3,861 ac).

(A) Unit consists of the following 16 boundary points: Start at 796545,

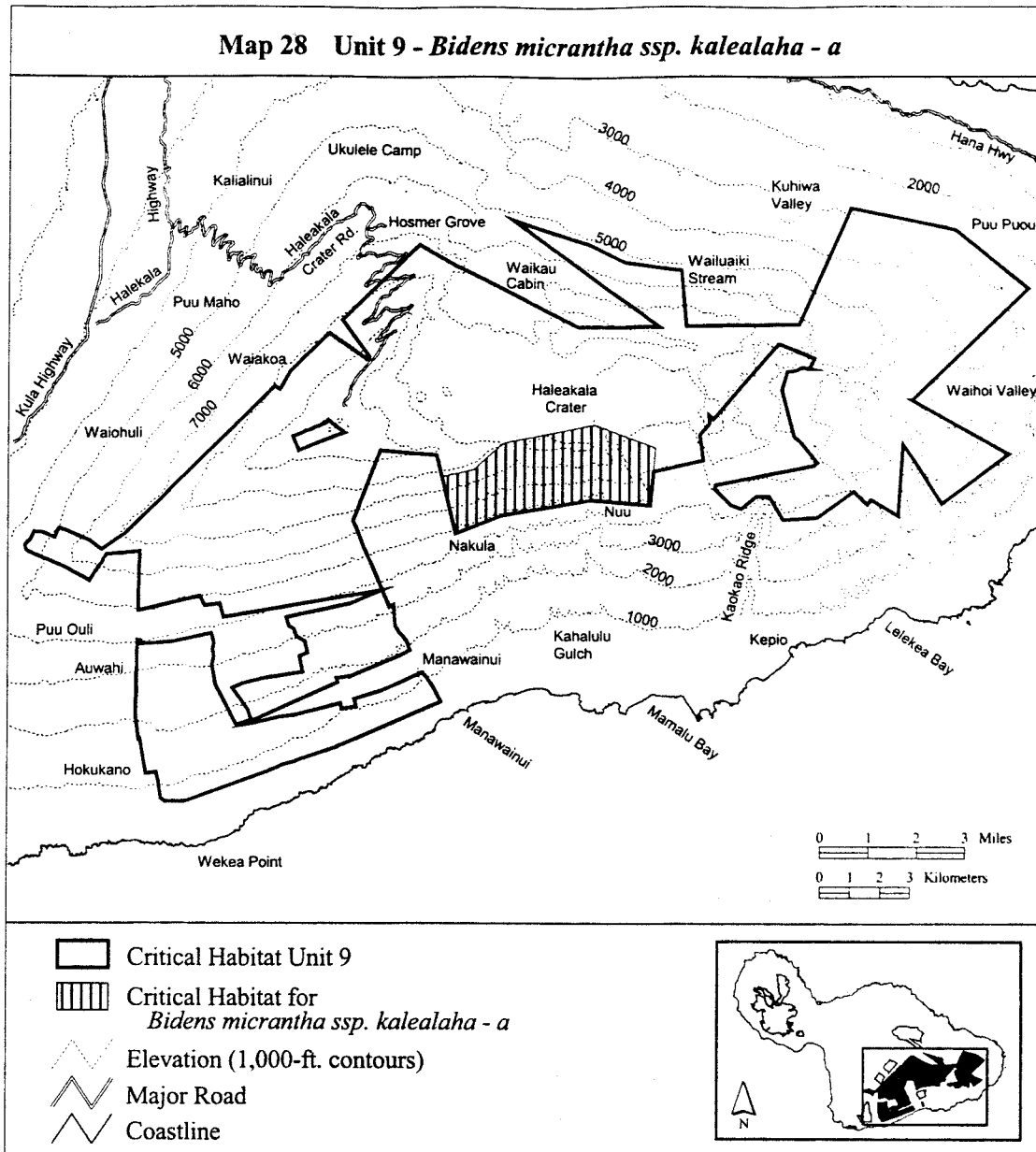
2290807; 796545, 2290801; 796458, 2289725; 796454, 2289679; 796453,

2289665; 794502, 2289839; 794488,  
 2289840; 794474, 2289837; 791519,  
 2289316; 789966, 2288718; 789516,

2290615; 790559, 2290844; 791422,  
 2291618; 791566, 2291747; 794576,

2292372; 796609, 2291606; return to  
 starting point.

(B) Note: Map 28 follows:



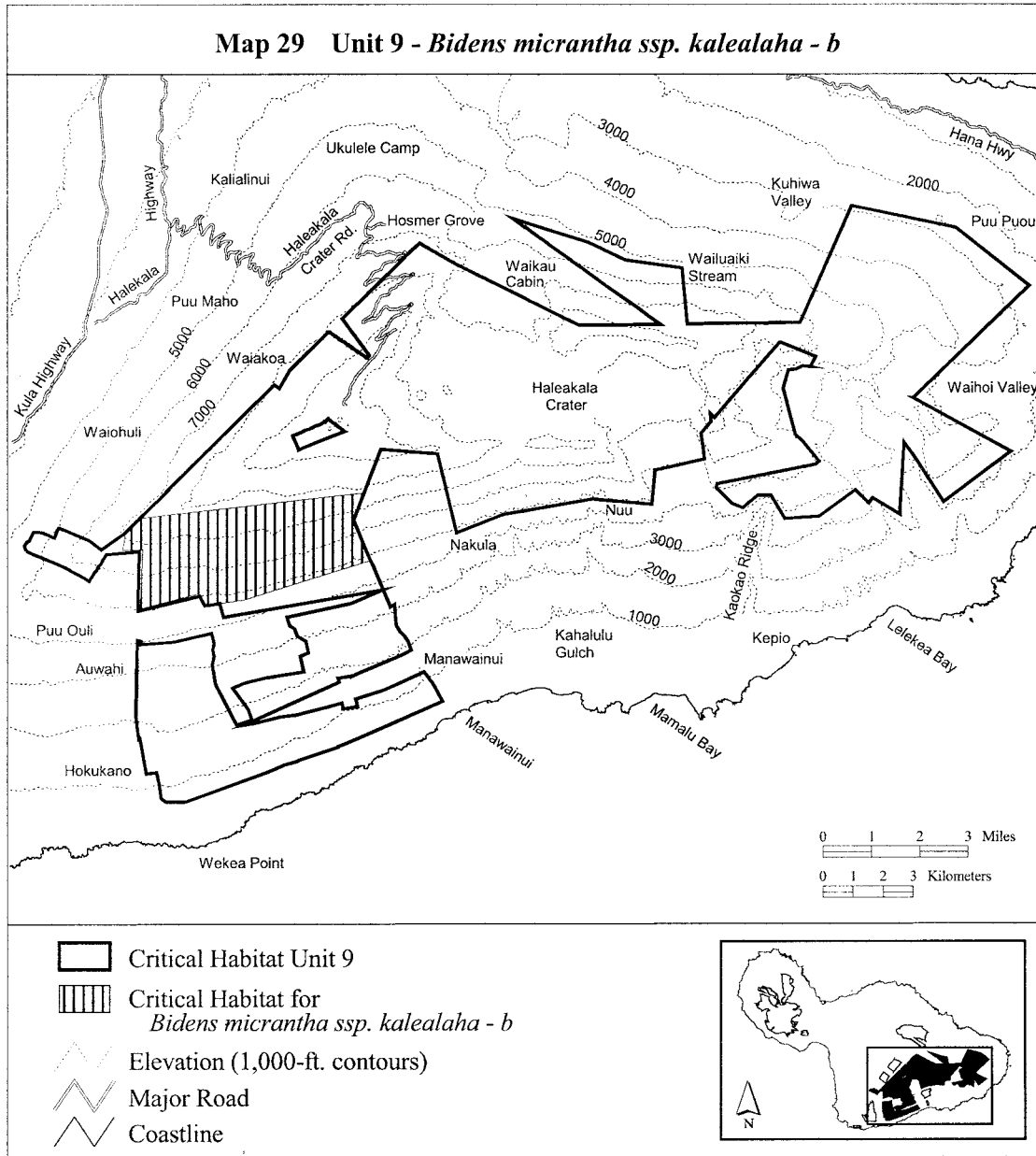
(xxix) Maui 9—*Bidens micrantha* ssp. *kalealaha*—b (2,116 ha; 5,229 ac).

(A) Unit consists of the following 18 boundary points: Start at 779048, 2288746; 779070, 2288768; 779512,

2289205; 780627, 2289332; 782572,  
 2289555; 786928, 2290052; 786812,  
 2289742; 786580, 2289125; 786747,  
 2288730; 787145, 2287787; 782967,  
 2286486; 782162, 2286366; 781652,

2286290; 781485, 2286623; 781454,  
 2286686; 779524, 2286194; 779600,  
 2288162; 778935, 2288132; return to  
 starting point.

(B) Note: Map 29 follows:

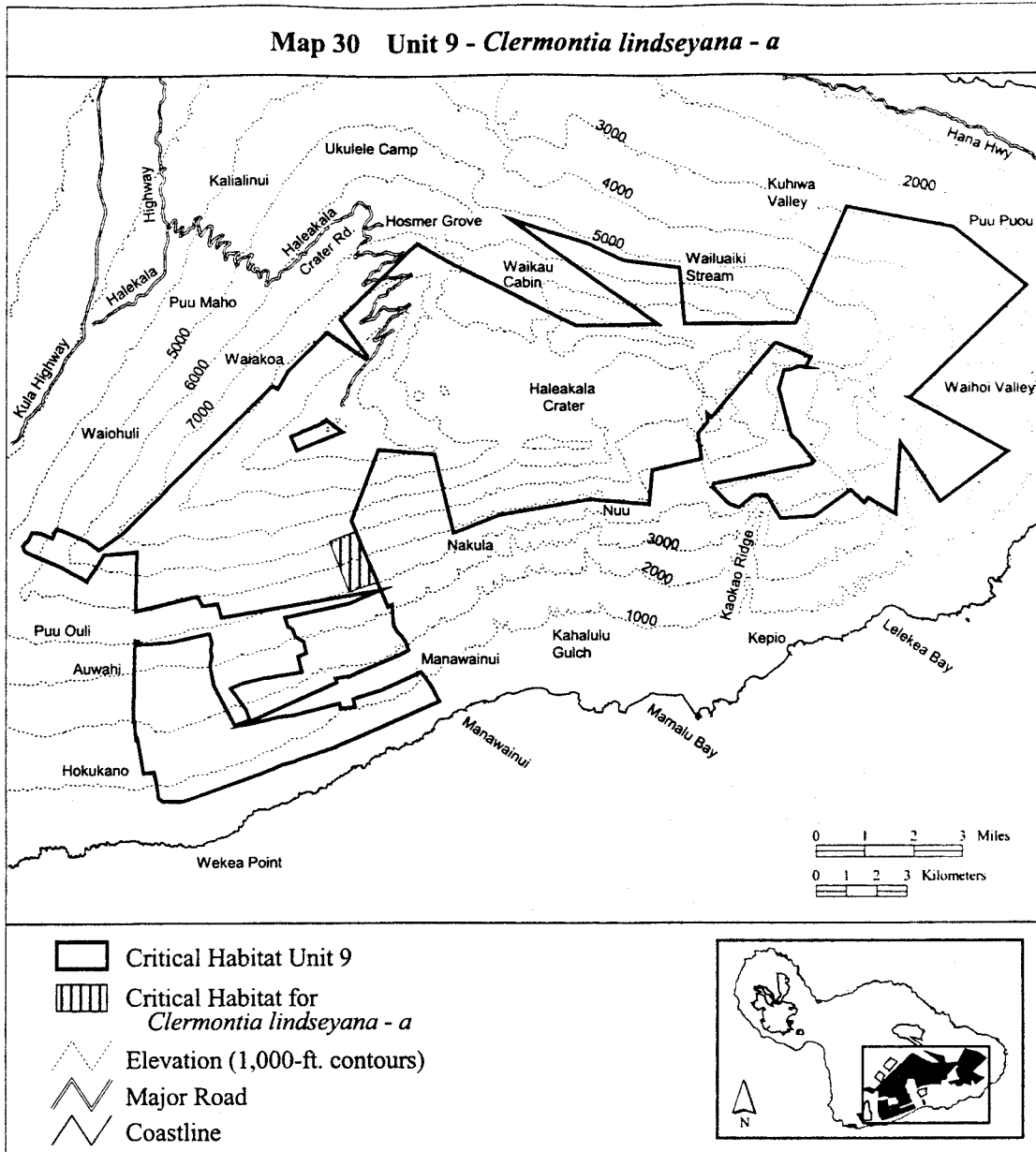


(xxx) Maui 9—*Clermontia lindseyana*—a (177 ha; 438 ac).

(A) Unit consists of the following 5 boundary points: Start at 787444, 2287080; 787071, 2286938; 786501,

2286762; 785851, 2288424; 786721, 2288791; return to starting point.

(B) **Note:** Map 30 follows:



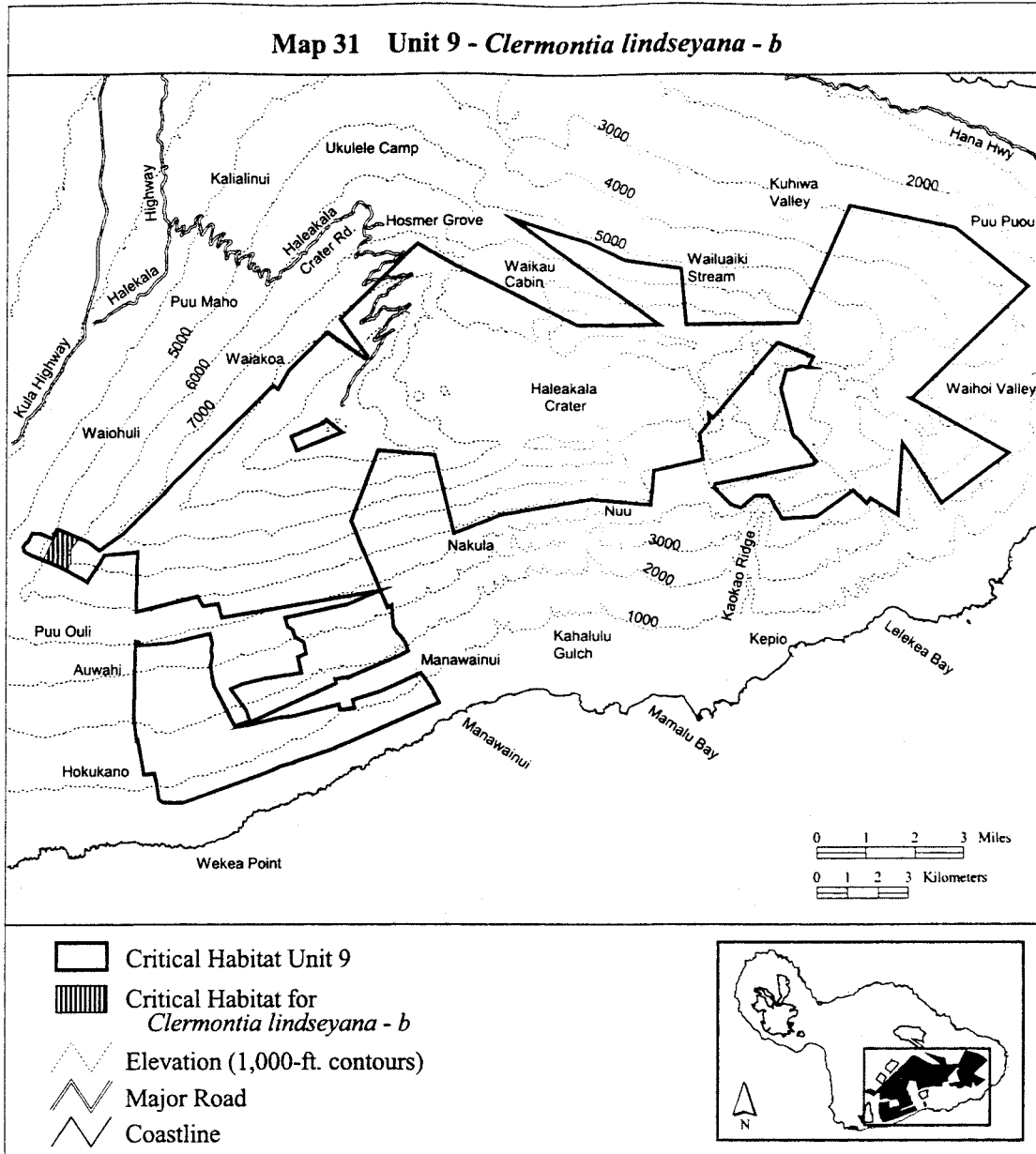
(xxxi) Maui 9—*Clermontia lindseyana*—b (60 ha; 148 ac).

(A) Unit consists of the following 25 boundary points: Start at 776854, 2288875; 776854, 2288876; 776882, 2288864; 776920, 2288848; 776994,

2288817; 777561, 2288580; 777275, 2288186; 777275, 2287757; 777159, 2287487; 776983, 2287585; 776726, 2287694; 776756, 2287770; 776817, 2287928; 776860, 2288037; 776871, 2288068; 776895, 2288122; 776938,

2288237; 776979, 2288341; 777002, 2288401; 777006, 2288411; 777006, 2288412; 777006, 2288413; 777005, 2288413; 777005, 2288414; 776698, 2288553; return to starting point.

(B) Note: Map 31 follows:

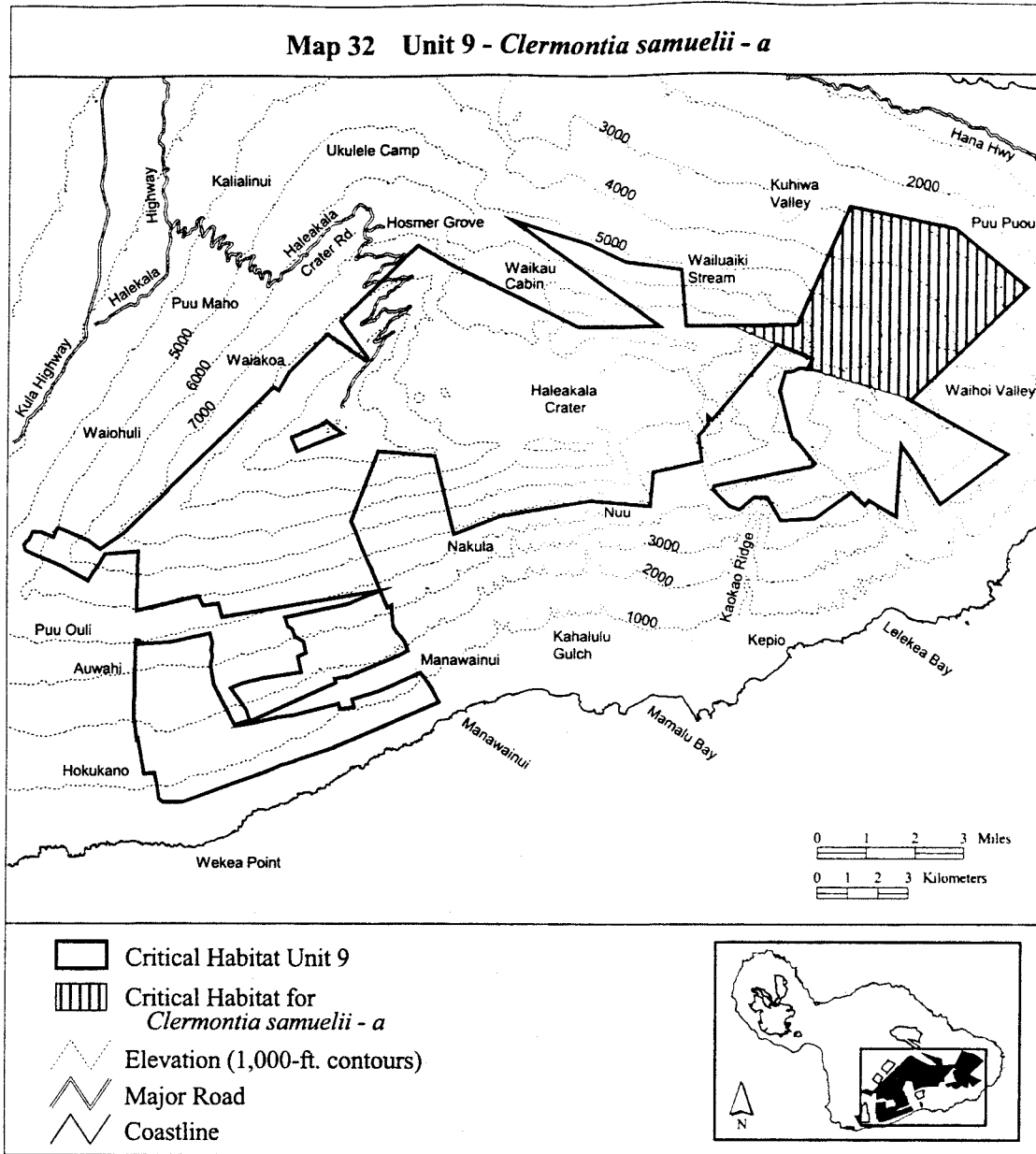


(xxxii) Maui 9—*Clermontia samuelii*—a (3,130 ha; 7,734 ac).  
 (A) Unit consists of the following 27 boundary points: Start at 799099, 2295658; 799092, 2295661; 799244, 2295662; 799663, 2295668; 800082, 2295673; 800414, 2295677; 800379,

2295672; 800982, 2295684; 801296, 2295688; 801297, 2295688; 801369, 2295851; 802993, 2299556; 806459, 2298838; 807604, 2297939; 808913, 2296912; 805091, 2293218; 805090, 2293218; 801679, 2294214; 801640,

2294225; 801796, 2294569; 801346, 2294743; 801340, 2294745; 800636, 2295040; 800633, 2295036; 800632, 2295034; 800624, 2295037; 800620, 2295038; return to starting point.

(B) Note: Map 32 follows:



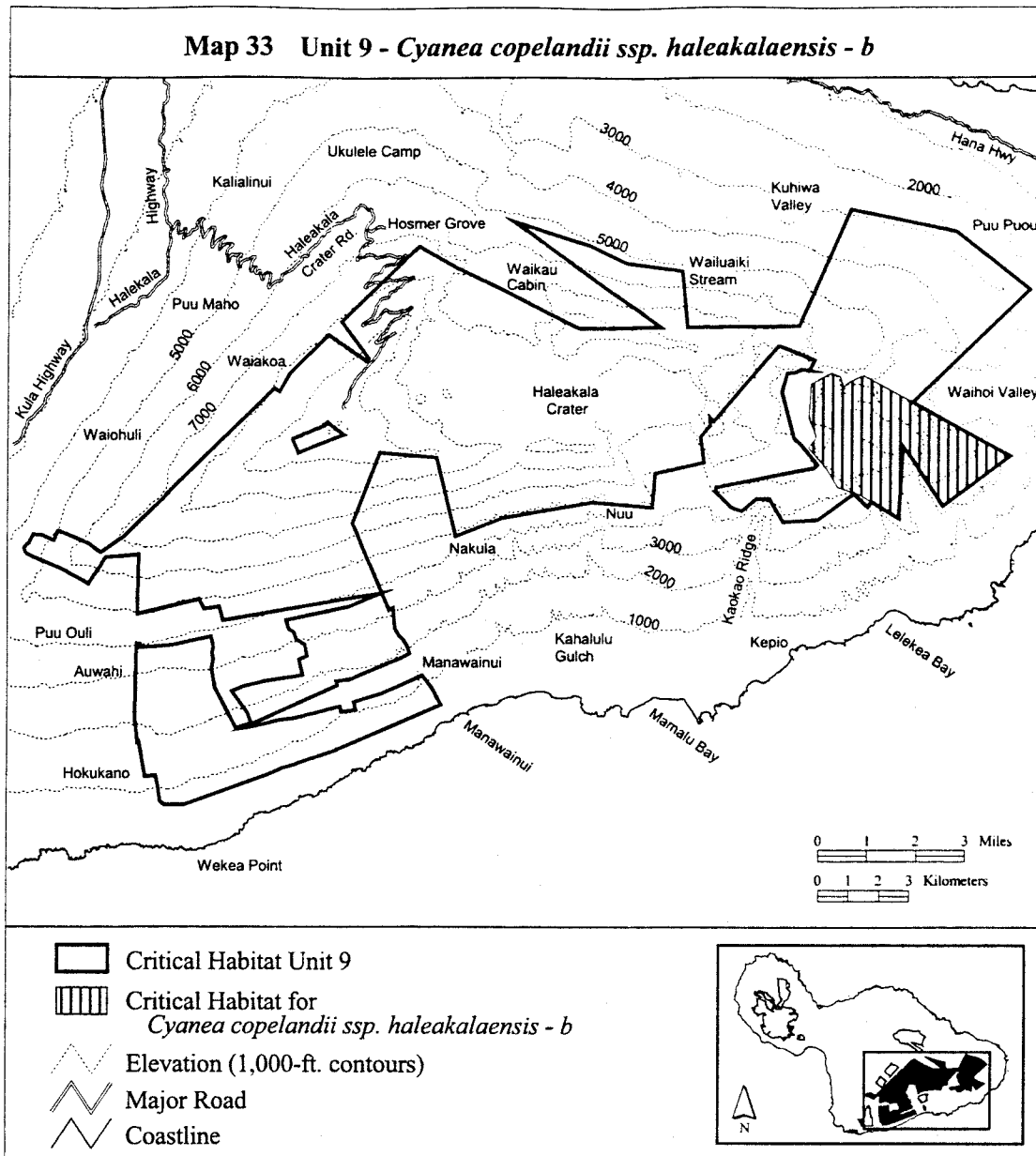
(xiii) Maui 9—*Cyanea copelandii* ssp. *haleakalaensis*—b (1,709 ha; 4,224 ac).  
 (A) Unit consists of the following 21 boundary points: Start at 805053, 2293180; 806644, 2292314; 808301, 2291412; 806062, 2289747; 805115,

2291183; 804741, 2291728; 804610, 2289526; 804598, 2289317; 803684, 2289877; 803296, 2290115; 802589, 2290350; 802215, 2290953; 801641, 2291671; 801871, 2292015; 801641,

2292647; 801699, 2293766; 802359, 2294139; 802646, 2294024; 802761, 2293680; 802962, 2293852; 803432, 2294063; return to starting point.

(B) Note: Map 33 follows:





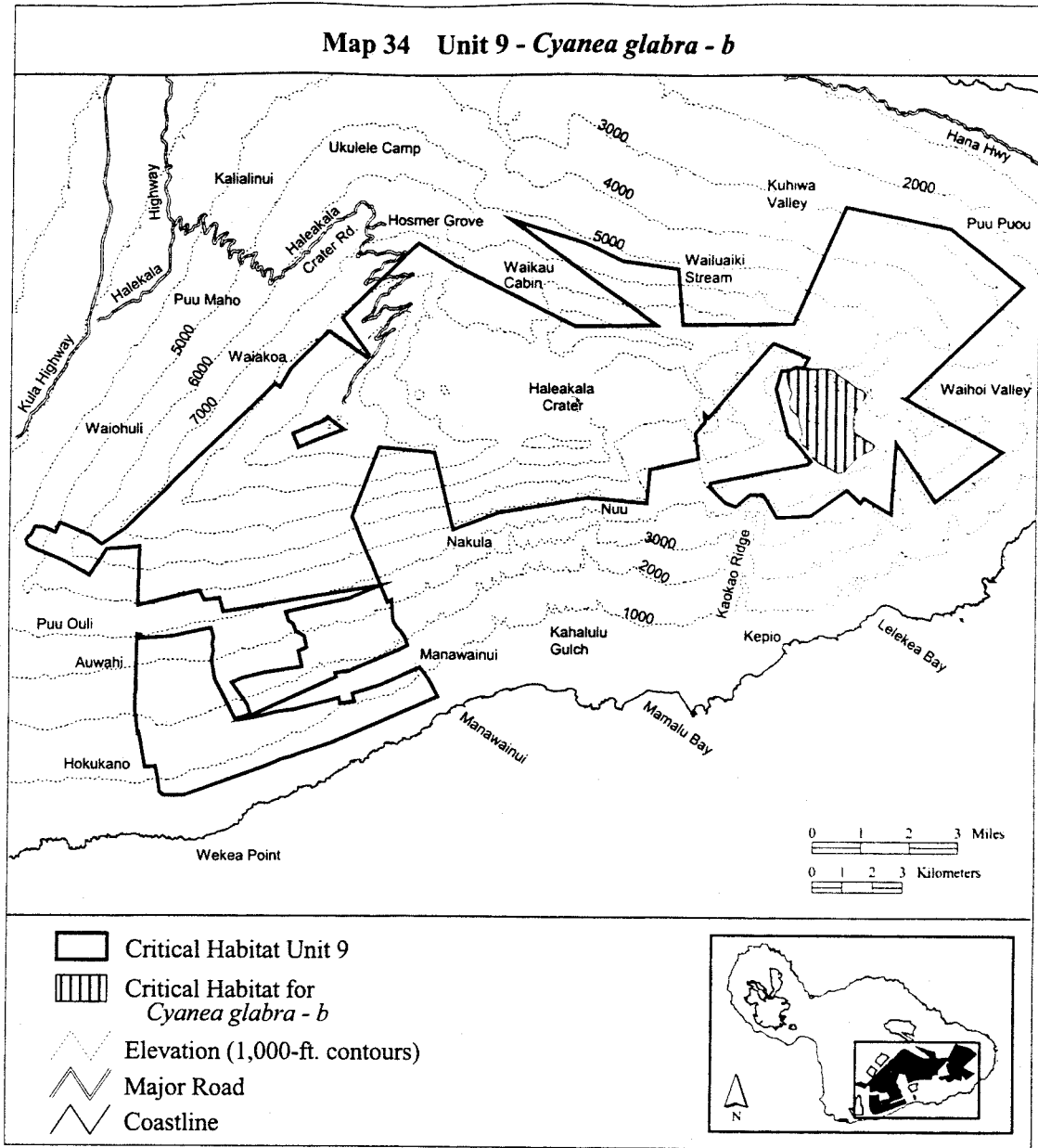
(xxxiv) Maui 9—*Cyanea glabra*—b (650 ha; 1,605 ac).

(A) Unit consists of the following 50 boundary points: Start at 801146, 2294134; 801147, 2294134; 801185, 2294156; 801306, 2294225; 801376, 2294265; 801594, 2294228; 801679, 2294214; 801771, 2294198; 802073, 2294198; 802434, 2294198; 802655, 2294131; 802883, 2293924; 803365, 2293596; 803600, 2293468; 803707,

2293361; 803713, 2293247; 803425, 2292852; 803318, 2292564; 803312, 2292196; 803372, 2292055; 803713, 2291855; 803988, 2291687; 804008, 2291560; 803894, 2291480; 803680, 2291366; 803486, 2291265; 803305, 2291078; 803044, 2290763; 802850, 2290709; 802722, 2290743; 802542, 2290884; 802227, 2291017; 801979, 2291212; 801832, 2291439; 801745,

2291560; 801637, 2291660; 801550, 2291788; 801544, 2291848; 801604, 2291955; 801611, 2292069; 801517, 2292370; 801497, 2292538; 801443, 2292638; 801330, 2292757; 801229, 2292846; 801175, 2293006; 801182, 2293134; 801242, 2293401; 801142, 2293689; 801062, 2294018; return to starting point.

(B) Note: Map 34 follows:



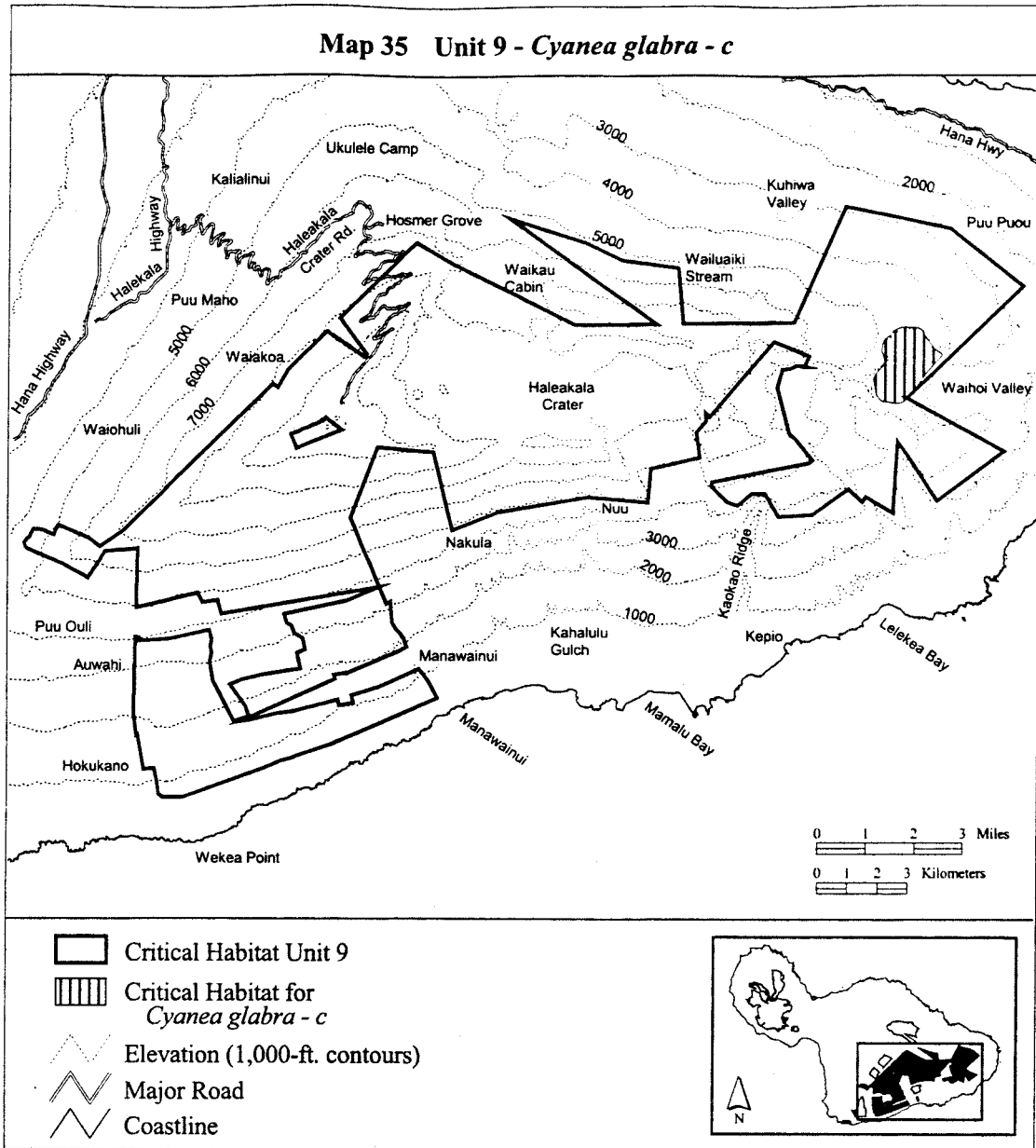
(xxxv) Maui 9—*Cyanea glabra*—c (363 ha; 898 ac).

(A) Unit consists of the following 38 boundary points: Start at 805090, 2293218; 805068, 2293196; 805053, 2293181; 805053, 2293180; 804943, 2293067; 804871, 2293032; 804680, 2293002; 804400, 2293049; 804298, 2293049; 804161, 2293121; 804036,

2293276; 804024, 2293342; 803964, 2293634; 803917, 2293843; 803988, 2293950; 804084, 2294076; 804245, 2294261; 804298, 2294398; 804245, 2294571; 804191, 2294750; 804215, 2295007; 804304, 2295144; 804489, 2295275; 804573, 2295394; 804650, 2295454; 804895, 2295550; 805367,

2295538; 805534, 2295460; 805587, 2295365; 805695, 2295150; 805933, 2294828; 806166, 2294684; 806184, 2294631; 806178, 2294595; 805981, 2294362; 805677, 2294016; 805480, 2293718; 805188, 2293318; return to starting point.

(B) Note: Map 35 follows:



(xxxvi) Maui 9—*Cyanea hamatiflora* ssp. *hamatiflora*—b (1,309 ha; 3,235 ac).

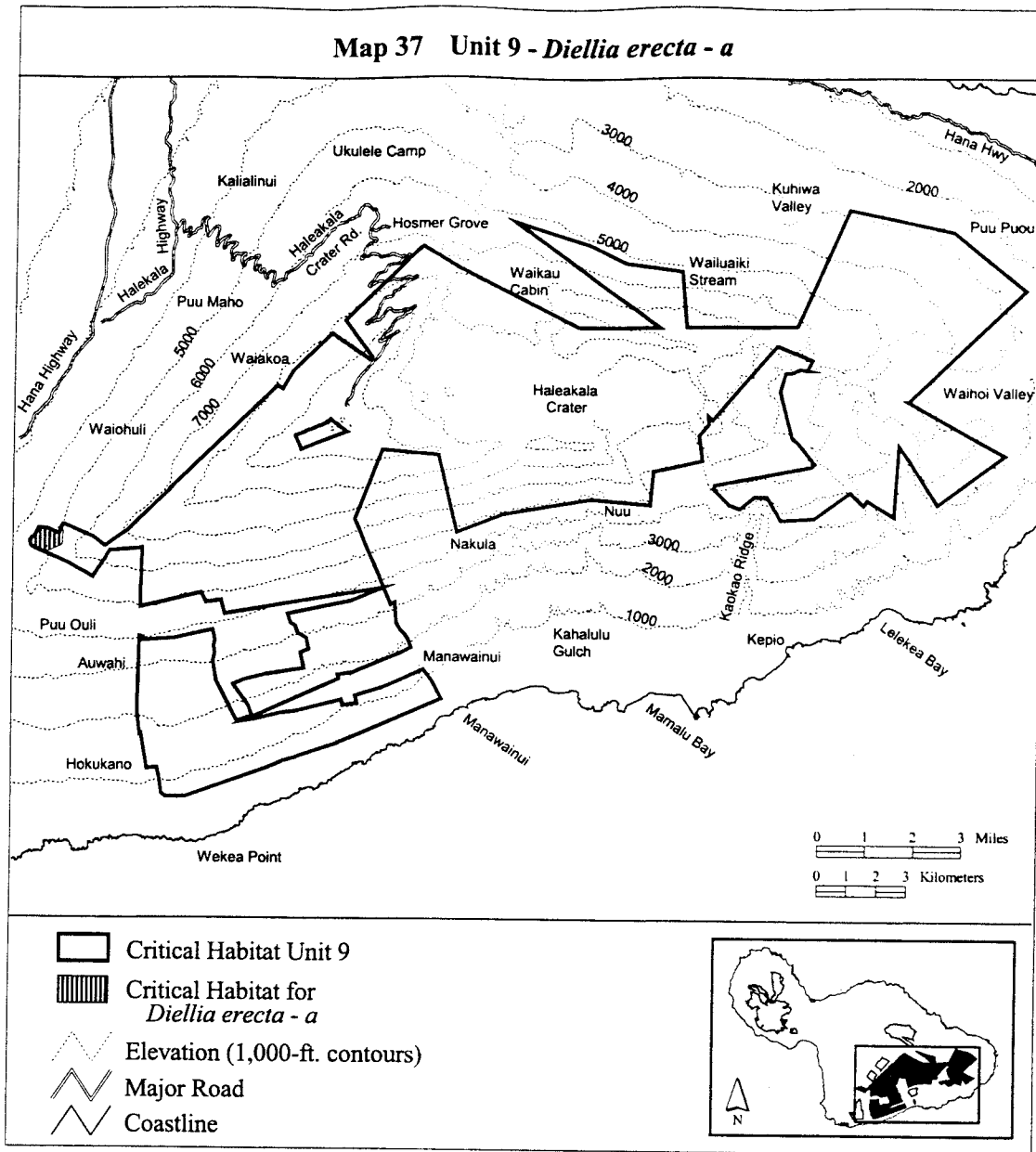
(A) Unit consists of the following 34 boundary points: Start at 801996, 2294274; 803261, 2294116; 805475, 2292702; 805159, 2292328; 804474, 2292692; 804184, 2292587; 803762, 2292824; 803635, 2293097; 803235,

2293299; 803340, 2292930; 803288, 2292113; 803657, 2291823; 804421, 2291454; 804289, 2291058; 803920, 2290900; 803077, 2290716; 803548, 2289729; 803114, 2290141; 801935, 2289265; 800788, 2289185; 800516, 2289662; 800342, 2289966; 799912, 2289966; 799418, 2289552; 799034,

2289728; 799006, 2289910; 801285, 2290452; 801917, 2291085; 801678, 2291389; 801153, 2292060; 800860, 2293524; 801185, 2294156; 801306, 2294225; 801759, 2294089; return to starting point.

(B) Note: Map 36 follows:



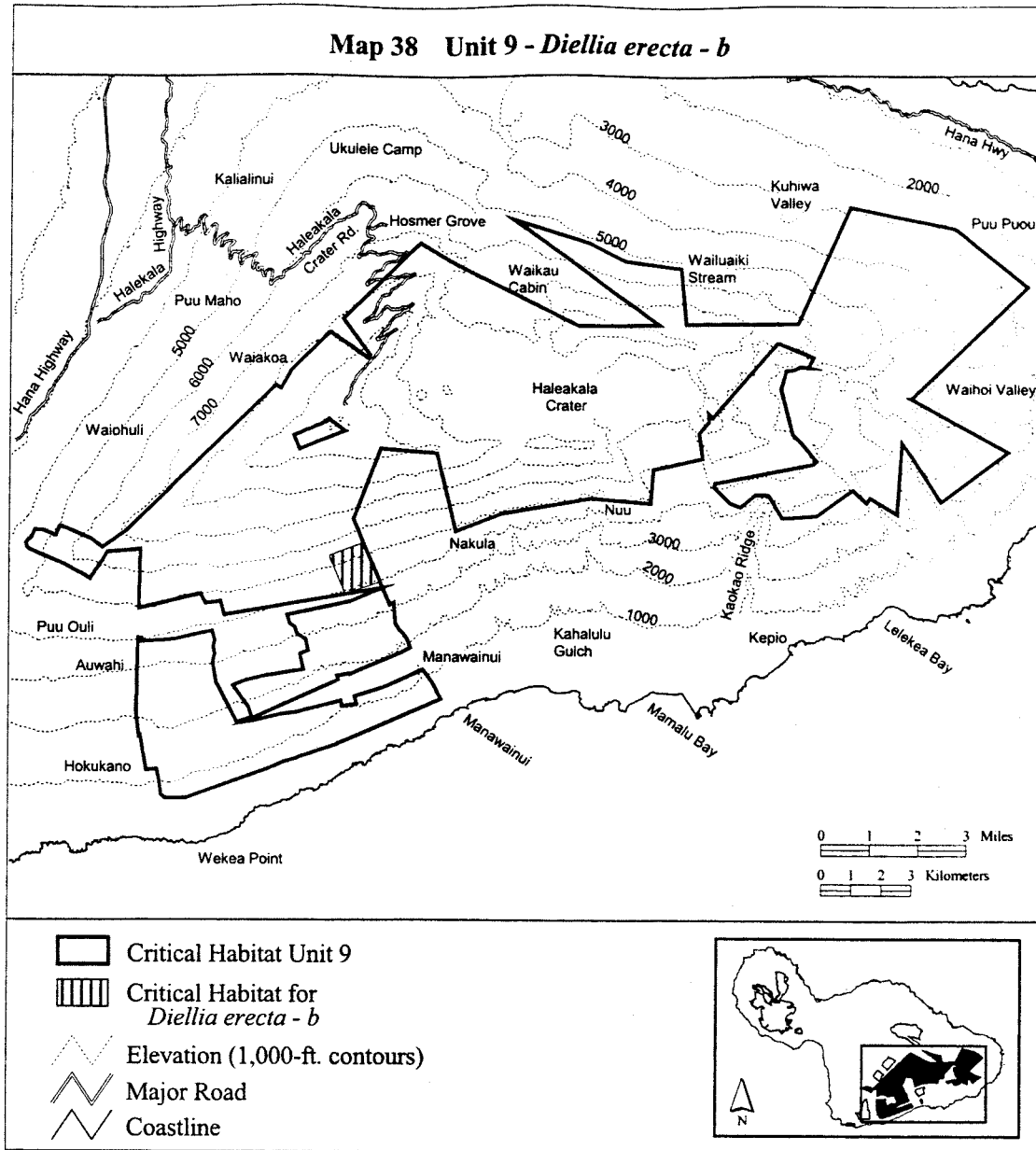


(xxxviii) Maui 9—*Diellia erecta*—b  
 (175 ha; 431 ac).  
 (A) Unit consists of the following 9  
 boundary points: Start at 787240,

2287564; 787475, 2287007; 786302,  
 2286613; 785862, 2287663; 785861,  
 2287662; 785789, 2287851; 785769,

2287902; 785806, 2287916; 786914,  
 2288334; return to starting point.

(B) **Note:** Map 38 follows:

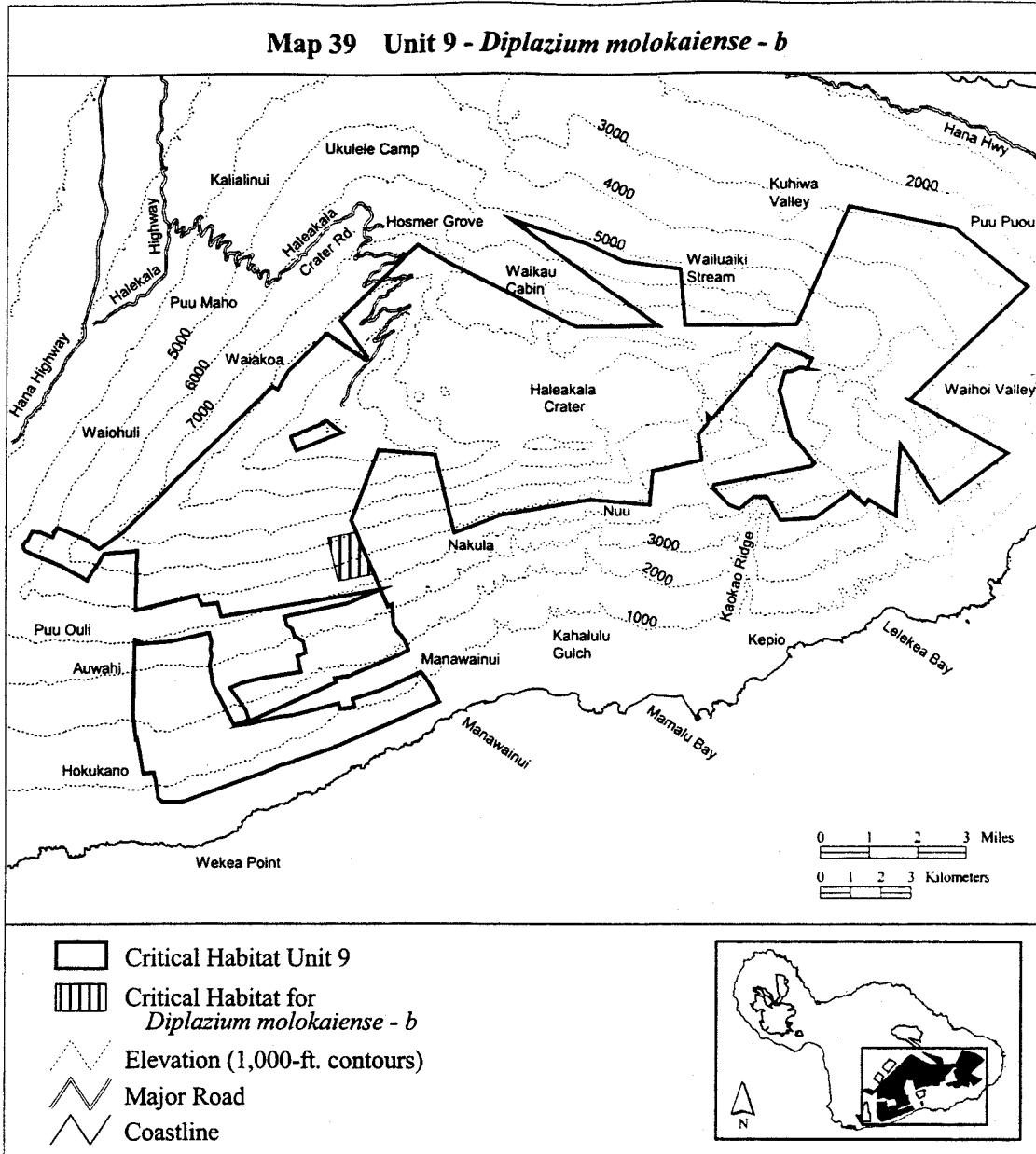


(xxxix) Maui 9—*Diplazium molokaiense*—b (162 ha; 401 ac).

(A) Unit consists of the following 4 boundary points: Start at 786149, 2287088; 785806, 2288547; 786747,

2288730; 787339, 2287329; return to starting point.

(B) Note: Map 39 follows:



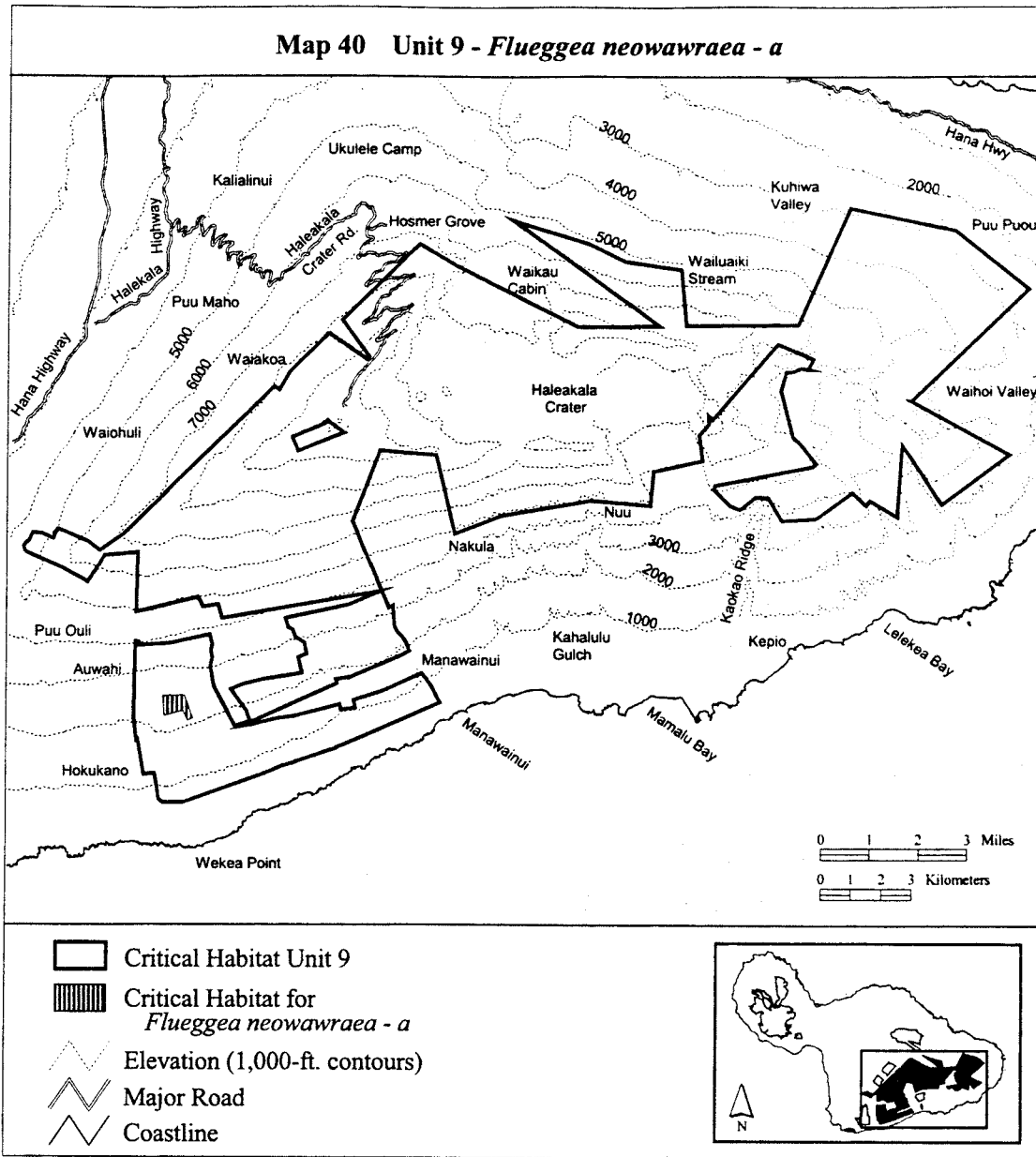
(xl) Maui 9—*Flueggea neowawraea*—  
 a (52 ha; 128 ac).

(A) Unit consists of the following 6  
 boundary points: Start at 780345,

2283357; 781056, 2283374; 781342,  
 2282594; 781160, 2282542; 781012,

2282863; 780388, 2282689; return to  
 starting point.

(B) **Note:** Map 40 follows:



(xli) Maui 9—*Geranium arboreum*—a (731 ha; 1,805 ac).

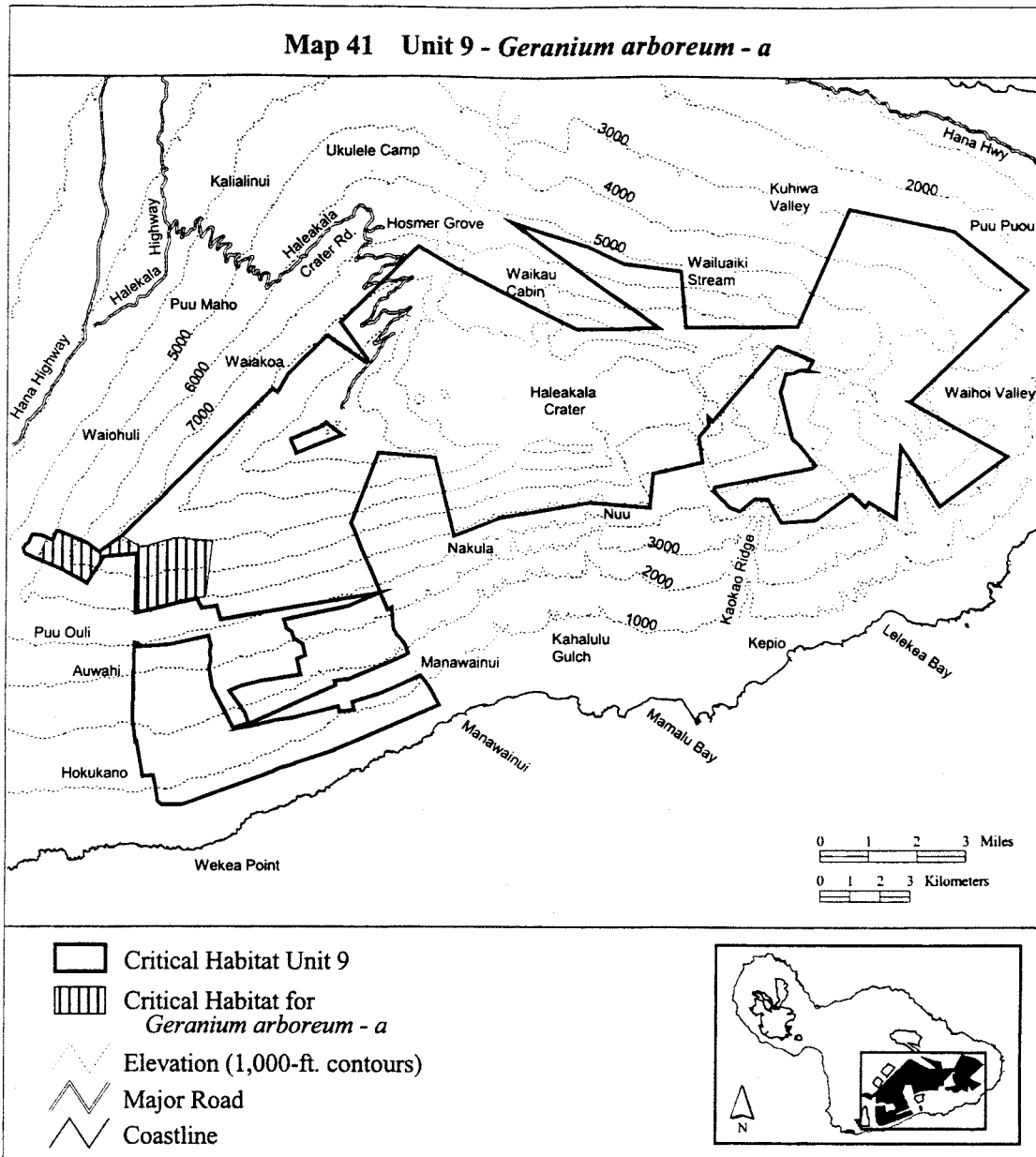
(A) Unit consists of the following 78 boundary points: Start at 776678, 2288562; 776714, 2288648; 776729, 2288680; 776769, 2288768; 776801, 2288841; 776816, 2288873; 776823, 2288888; 776854, 2288875; 776994, 2288817; 777437, 2288634; 777736, 2288504; 777822, 2288467; 778221, 2288151; 778821, 2288569; 778986, 2288684; 779630, 2288318; 780757, 2288633; 782012, 2288542; 781788, 2286699; 781485, 2286623; 779450, 2286115; 779447, 2286116; 779447,

2286118; 779447, 2286148; 779449, 2286273; 779451, 2286428; 779453, 2286528; 779457, 2286767; 779463, 2287069; 779466, 2287187; 779469, 2287405; 779474, 2287664; 779478, 2287896; 779480, 2288005; 779481, 2288094; 779481, 2288097; 779480, 2288099; 779379, 2288090; 779098, 2288064; 778964, 2288051; 778864, 2288041; 778675, 2288023; 778485, 2288006; 778407, 2287998; 778397, 2287997; 778396, 2287997; 778295, 2287839; 778290, 2287830; 778201, 2287689; 778141, 2287597; 778127, 2287576; 778122, 2287567; 778097,

2287528; 778072, 2287490; 778051, 2287458; 778008, 2287395; 777941, 2287295; 777929, 2287273; 777926, 2287268; 777872, 2287190; 777820, 2287111; 777670, 2287202; 777221, 2287452; 776983, 2287585; 776726, 2287694; 776756, 2287770; 776817, 2287928; 776860, 2288037; 776871, 2288068; 776895, 2288122; 776938, 2288237; 776979, 2288341; 777002, 2288401; 777006, 2288411; 777006, 2288412; 777006, 2288413; 777005, 2288413; 777005, 2288414; return to starting point.

(B) Note: Map 41 follows:





(xlii) Maui 9—*Geranium multiflorum*—b (4,817 ha; 11,903 ac).  
 (A) Unit consists of the following 155 boundary points: Start at 788163,  
 2297782; 788209, 2297823; 788474,  
 2298061; 788549, 2298128; 788563,  
 2298140; 788752, 2298310; 788754,  
 2298309; 788785, 2298291; 788906,  
 2298219; 788934, 2298204; 788940,  
 2298201; 788945, 2298198; 788965,  
 2298185; 789012, 2298158; 789097,  
 2298111; 789125, 2298094; 789154,  
 2298077; 789279, 2298004; 789310,  
 2297986; 789342, 2297969; 789450,  
 2297905; 789495, 2297879; 789521,  
 2297863; 789656, 2297787; 789683,  
 2297771; 789712, 2297753; 789841,  
 2297681; 789867, 2297664; 789901,  
 2297645; 789955, 2297614; 790033,

2297574; 790061, 2297560; 790093,  
 2297545; 790216, 2297485; 790249,  
 2297467; 790279, 2297452; 790304,  
 2297441; 790412, 2297387; 790443,  
 2297372; 790472, 2297357; 790581,  
 2297304; 790633, 2297278; 790637,  
 2297277; 790638, 2297276; 790666,  
 2297261; 790712, 2297238; 790778,  
 2297205; 790851, 2297171; 790865,  
 2297163; 790992, 2297102; 791049,  
 2297073; 791253, 2296971; 791748,  
 2296726; 792093, 2296555; 792239,  
 2296482; 792302, 2296451; 792444,  
 2296380; 792449, 2296378; 792490,  
 2296357; 792655, 2296275; 793070,  
 2296068; 793303, 2295953; 793307,  
 2295951; 793422, 2295894; 793425,  
 2295892; 793482, 2295864; 793485,  
 2295863; 793542, 2295834; 793701,

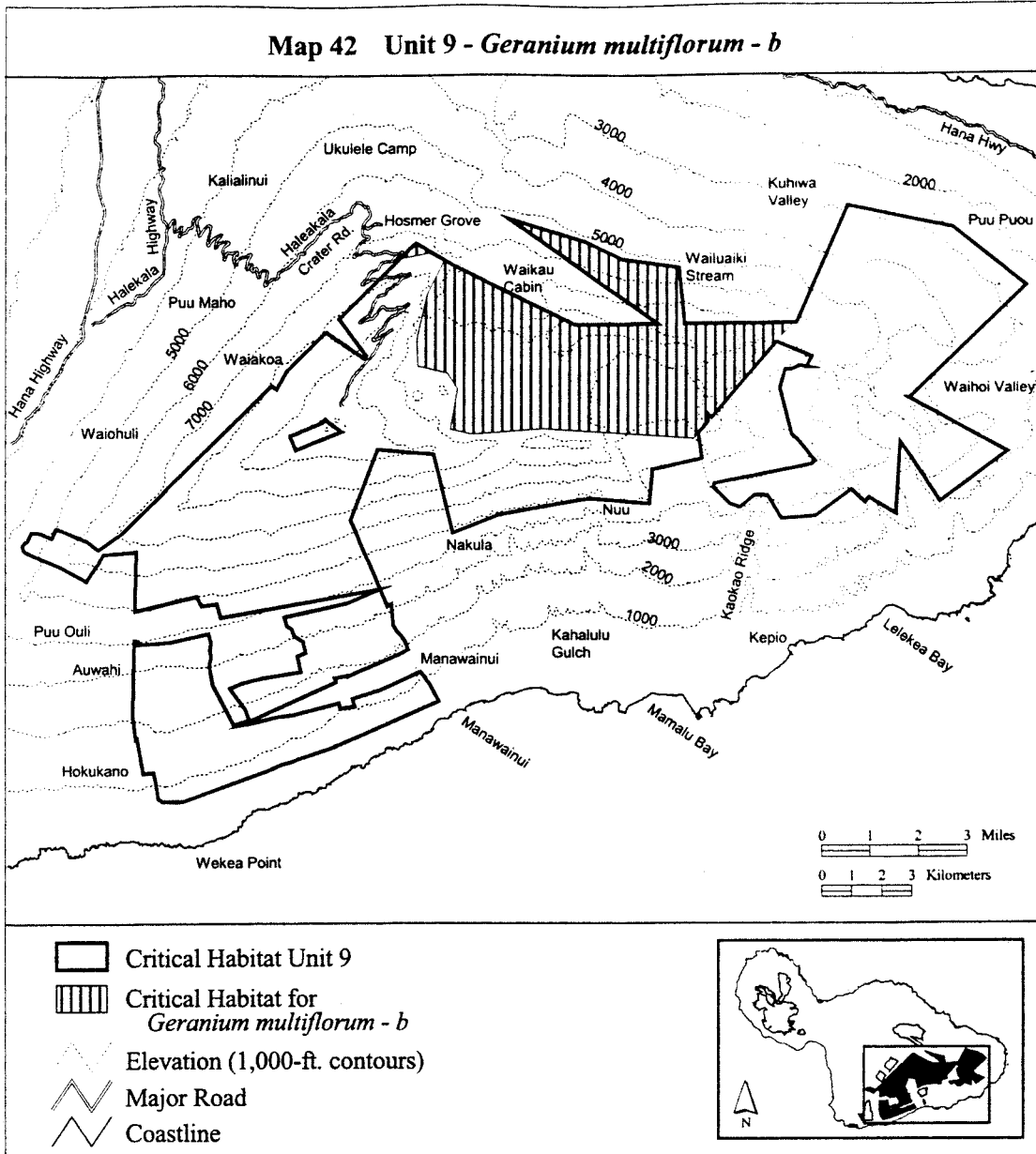
2295755; 794013, 2295601; 794376,  
 2295605; 794739, 2295608; 795102,  
 2295612; 795523, 2295618; 795945,  
 2295623; 796322, 2295627; 796366,  
 2295628; 796367, 2295628; 796710,  
 2295632; 796712, 2295633; 796712,  
 2295635; 796322, 2295917; 796064,  
 2296102; 795805, 2296286; 795412,  
 2296565; 794929, 2296911; 794586,  
 2297162; 794089, 2297517; 793843,  
 2297693; 793840, 2297695; 793717,  
 2297782; 793715, 2297784; 793592,  
 2297871; 793096, 2298227; 792850,  
 2298402; 792846, 2298405; 792724,  
 2298492; 792721, 2298494; 792661,  
 2298537; 792659, 2298539; 792630,  
 2298559; 792627, 2298561; 792614,  
 2298570; 792612, 2298572; 792606,  
 2298576; 792604, 2298578; 792602,

2298579; 792600, 2298581; 792599,  
 2298581; 792395, 2298727; 792392,  
 2298730; 792290, 2298802; 792288,  
 2298804; 792238, 2298839; 792236,  
 2298841; 792212, 2298858; 792210,  
 2298860; 792199, 2298867; 792197,  
 2298869; 792193, 2298872; 792190,  
 2298874; 792187, 2298876; 791820,  
 2299139; 792911, 2298800; 794323,

2298361; 795561, 2297771; 797414,  
 2297495; 797590, 2295645; 797591,  
 2295643; 797602, 2295643; 797615,  
 2295643; 797793, 2295645; 798243,  
 2295649; 800429, 2295671; 801112,  
 2295683; 801148, 2295656; 800620,  
 2295038; 800619, 2295037; 799580,  
 2293819; 798494, 2292544; 798490,  
 2292539; 798357, 2292680; 798374,

2292403; 798056, 2292031; 797894,  
 2291841; 792958, 2292187; 790618,  
 2291998; 789902, 2292186; 790128,  
 2293507; 789788, 2294035; 788807,  
 2294262; 788770, 2295129; 789109,  
 2296601; 789675, 2297733; 789185,  
 2297997; return to starting point.

(B) Note: Map 42 follows:

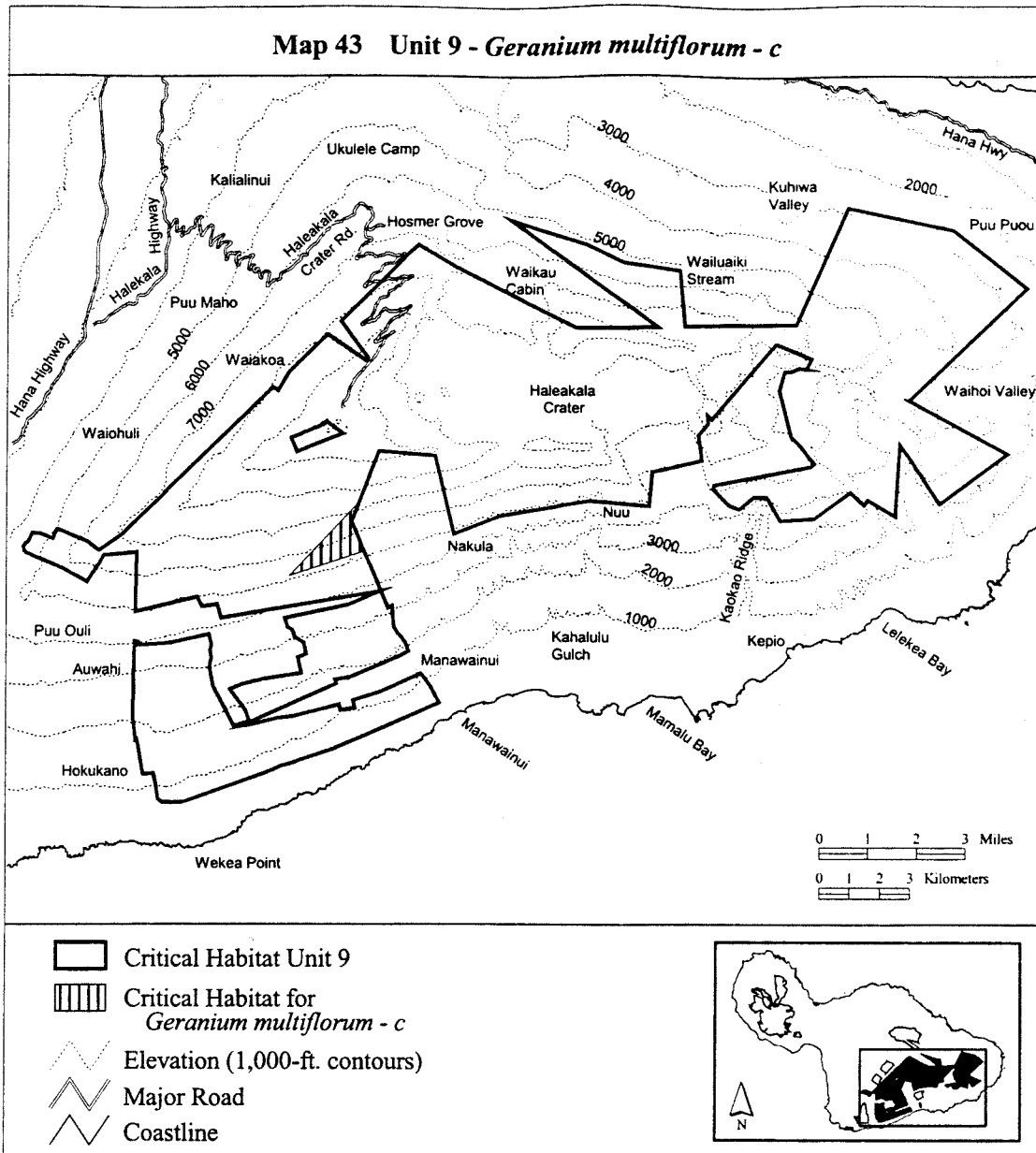


(xliii) Maui 9—*Geranium multiflorum*—c (182 ha; 451 ac).

(A) Unit consists of the following 4 boundary points: Start at 786997, 2288137; 784544, 2287319; 786824,

2289775; 786580, 2289125; return to starting point.

(B) Note: Map 43 follows:



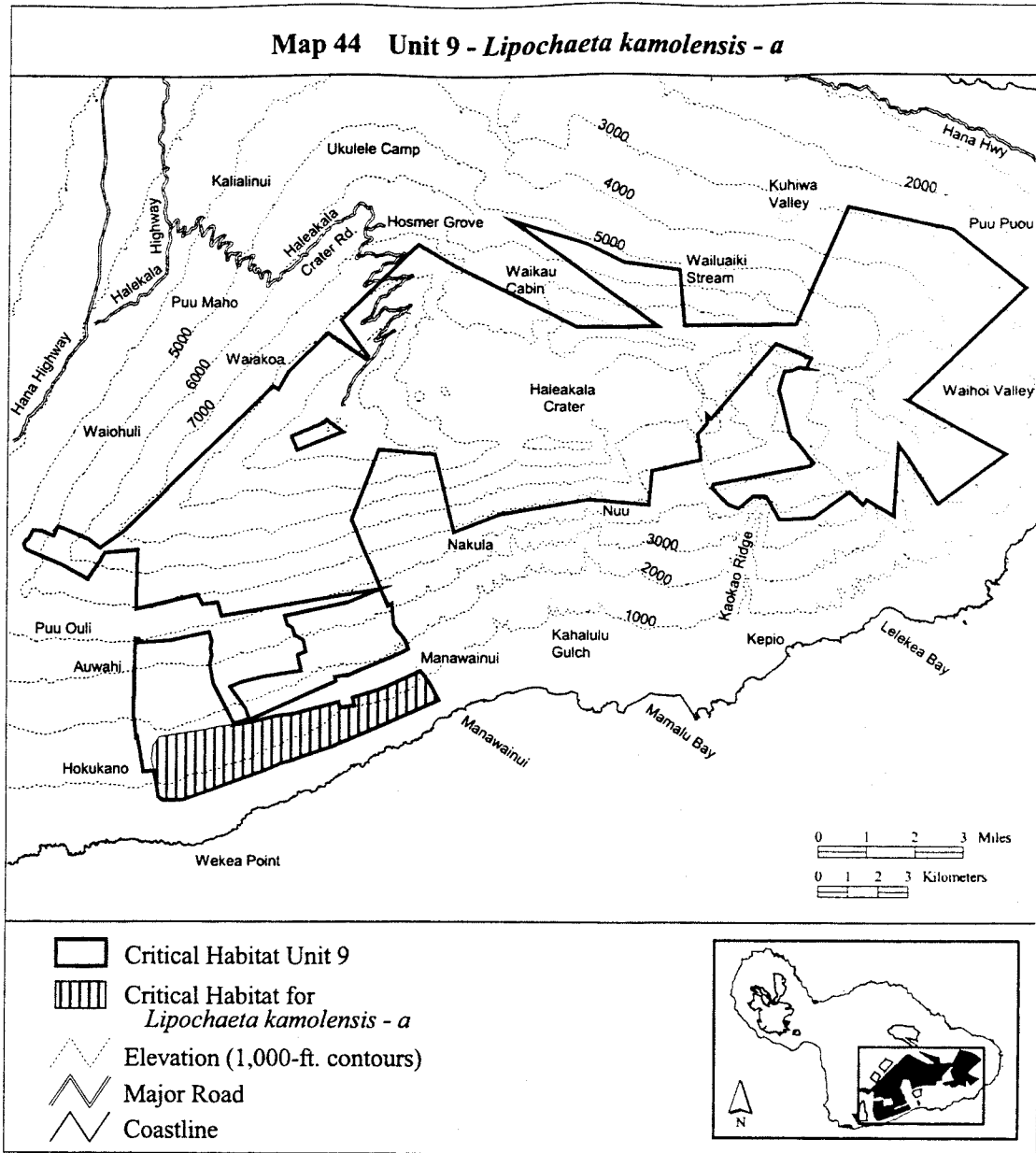
(xlv) Maui 9—*Lipochaeta kamolensis*—a (1,475 ha; 3,644 ac).

(A) Unit consists of the following 42 boundary points: Start at 782955, 2282353; 783327, 2282400; 784164, 2282607; 784741, 2282683; 785726, 2282934; 786198, 2283073; 786228, 2282888; 786228, 2282887; 786230, 2282886; 786701, 2282954; 786702,

2282955; 786702, 2282956; 786655, 2283208; 787384, 2283423; 787548, 2283495; 787945, 2283669; 788905, 2284089; 788984, 2283995; 789152, 2283770; 789288, 2283565; 789391, 2283327; 789514, 2283129; 787773, 2282368; 786596, 2281853; 786087, 2281631; 786085, 2281630; 784789, 2281189; 784708, 2281139; 784251,

2281019; 784001, 2280899; 783805, 2280811; 781021, 2279811; 780368, 2279811; 780216, 2279920; 780139, 2280453; 780063, 2280787; 780052, 2280834; 779976, 2281160; 780031, 2281595; 780248, 2281900; 781662, 2282128; 782206, 2282259; return to starting point.

(B) Note: Map 44 follows:



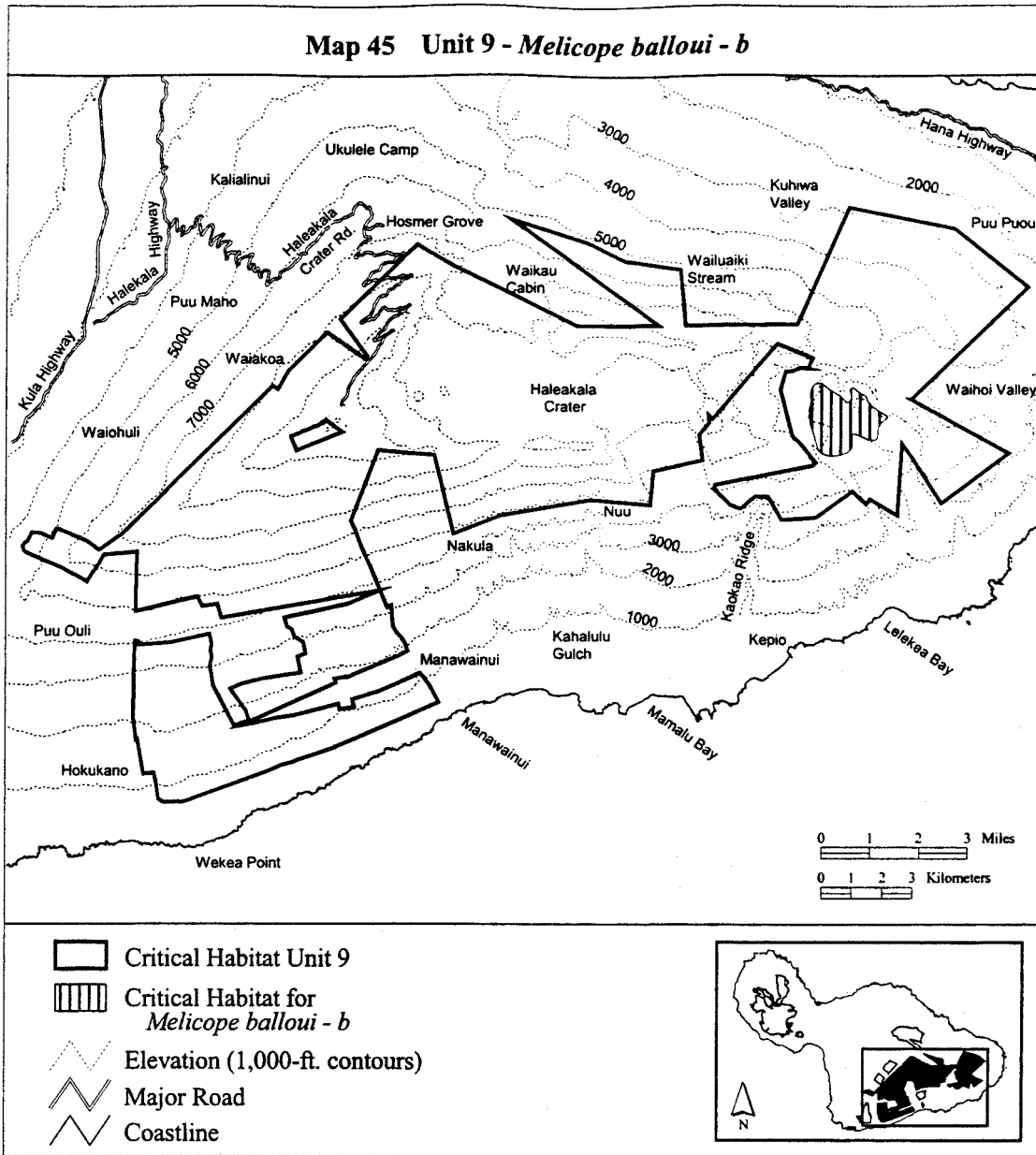
(xlv) Maui 9—*Melicope balloui*—b  
(394 ha; 973 ac).

(A) Unit consists of the following 45 boundary points: Start at 801687, 2292860; 801740, 2293120; 801749, 2293217; 801736, 2293388; 801740, 2293476; 801793, 2293617; 801894, 2293723; 802092, 2293736; 802374, 2293512; 802708, 2293331; 802840, 2293212; 802889, 2293116; 802955,

2293094; 803069, 2293173; 803087, 2293287; 803047, 2293446; 803047, 2293538; 803140, 2293582; 803316, 2293437; 803545, 2293314; 803619, 2293116; 803769, 2292957; 804016, 2292781; 804266, 2292645; 804249, 2292561; 804051, 2292403; 803963, 2292244; 803945, 2292099; 803945, 2291945; 803928, 2291870; 803804,

2291844; 803681, 2291848; 803413, 2291949; 803272, 2292020; 803153, 2292051; 803109, 2292020; 803118, 2291804; 803091, 2291562; 802964, 2291430; 802770, 2291368; 802422, 2291298; 802088, 2291417; 802000, 2291518; 801758, 2292262; 801714, 2292447; return to starting point.

(B) Note: Map 45 follows:



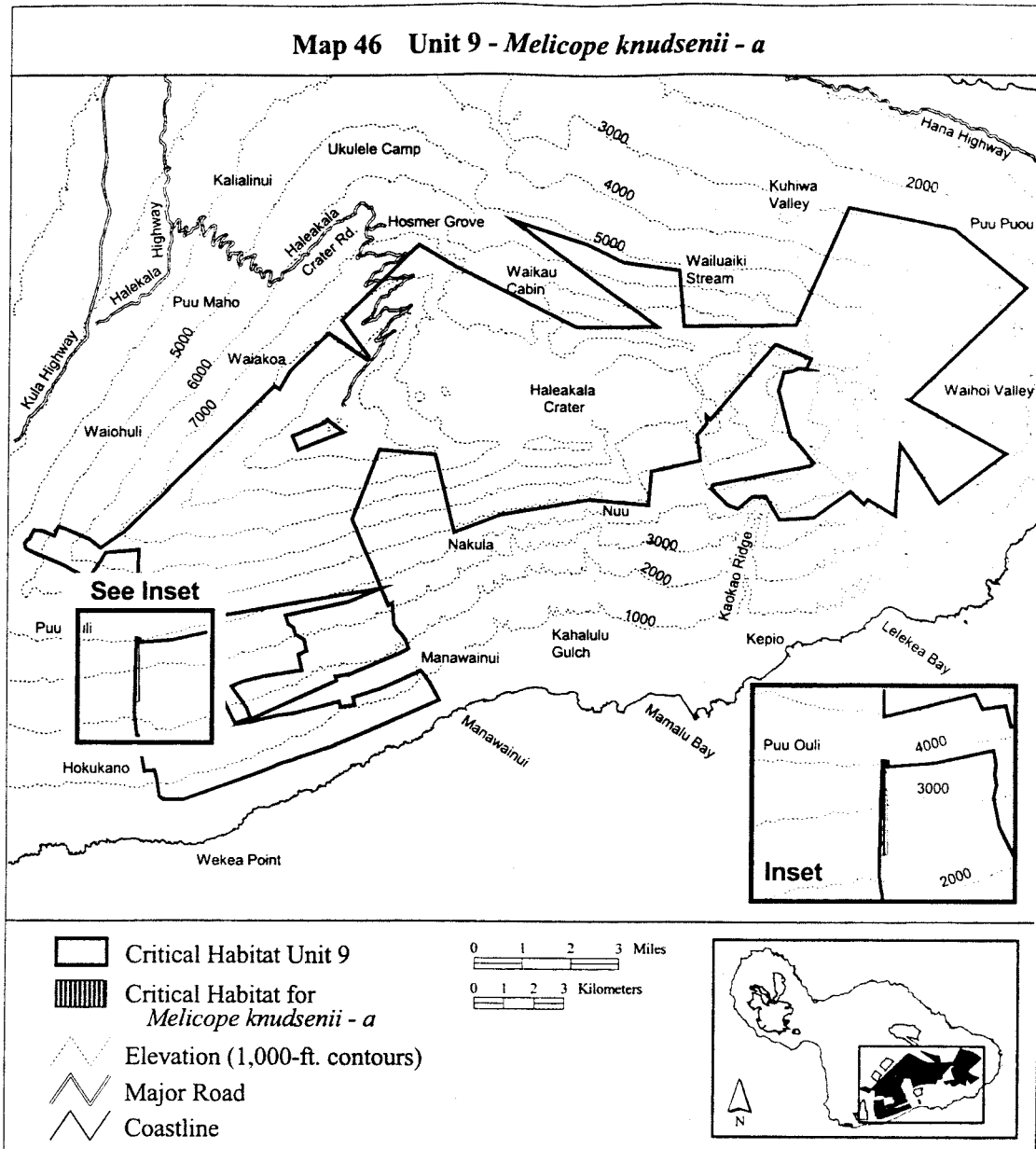
(xlvi) Maui 9—*Melicope knudsenii*—a (28 ha; 69 ac).

(A) Unit consists of the following 26 boundary points: Start at 779378, 2283038; 779379, 2283091; 779379, 2283156; 779384, 2283260; 779385, 2283362; 779386, 2283461; 779389,

2283570; 779391, 2283672; 779394, 2283769; 779397, 2283858; 779397, 2283869; 779397, 2283875; 779398, 2283992; 779401, 2284094; 779401, 2284203; 779403, 2284241; 779406, 2284322; 779408, 2284377; 779408,

2284385; 779408, 2284390; 779413, 2284560; 779419, 2284768; 779424, 2285004; 779427, 2285134; 779523, 2285126; 779547, 2283051; return to starting point.

(B) Note: Map 46 follows:



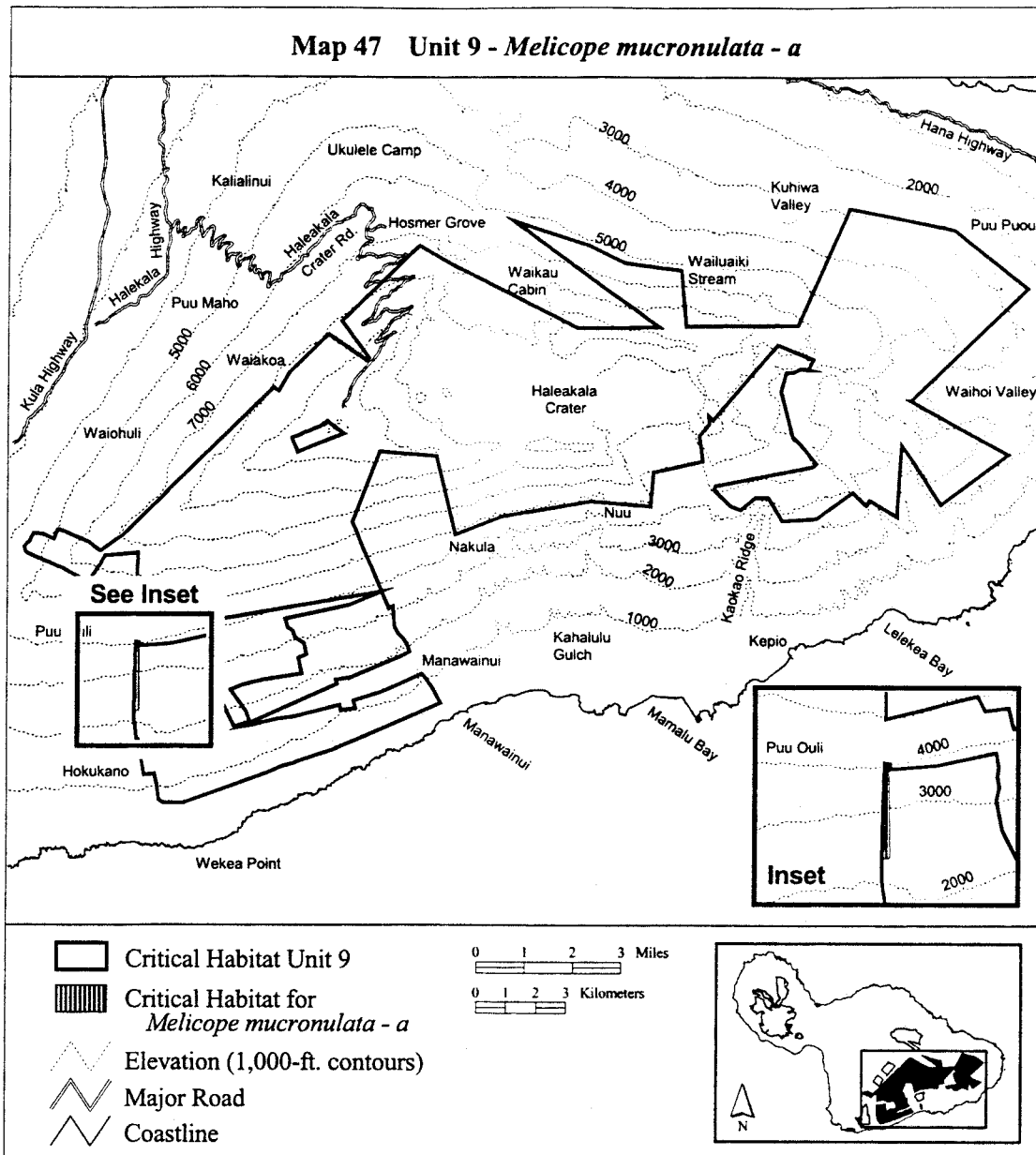
(xlvii) Maui 9—*Melicope mucronulata*—a (34 ha; 83 ac).

(A) Unit consists of the following 23 boundary points: Start at 779374, 2282861; 779377, 2282926; 779379, 2283091; 779379, 2283156; 779384,

2283260; 779385, 2283362; 779386, 2283461; 779389, 2283570; 779391, 2283672; 779394, 2283769; 779397, 2283875; 779398, 2283992; 779401, 2284094; 779401, 2284203; 779403, 2284241; 779406, 2284322; 779413,

2284560; 779419, 2284768; 779424, 2285004; 779427, 2285144; 779552, 2285134; 779552, 2285008; 779544, 2282873; return to starting point.

(B) Note: Map 47 follows:



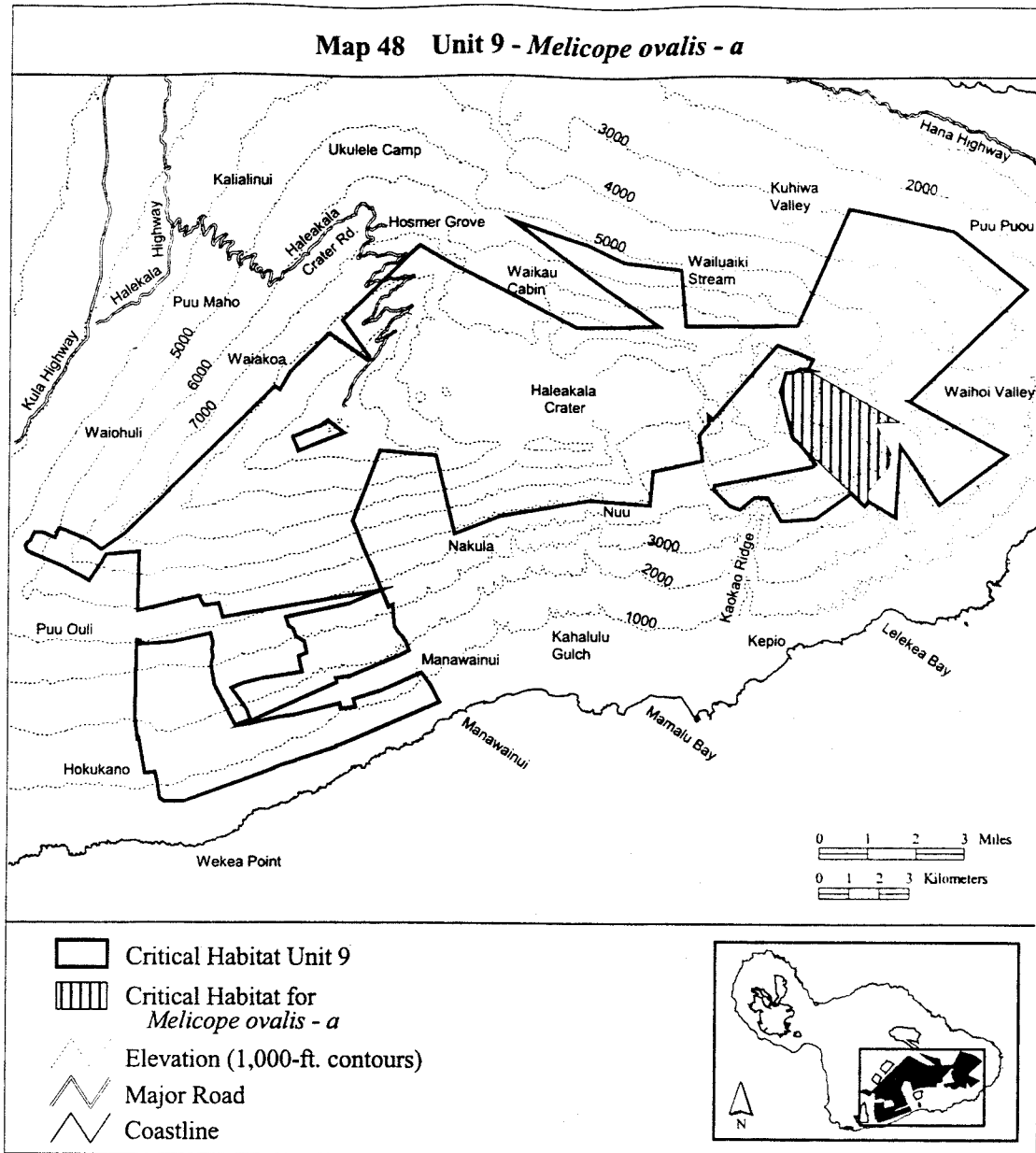
(xlvi) Maui 9—*Melicope ovalis*—a (933 ha; 2,306 ac).

(A) Unit consists of the following 18 boundary points: Start at 803684, 2289877; 803574, 2289704; 803114,

2290141; 803112, 2290139; 801383, 2291766; 801145, 2291990; 800743, 2293514; 800900, 2294126; 801146, 2294134; 801147, 2294134; 801148, 2294134; 801758, 2294144; 804700,

2292498; 804245, 2292498; 803895, 2292463; 804438, 2291482; 804352, 2291008; 803667, 2290169; return to starting point.

(B) Note: Map 48 follows:



(xlix) Maui 9—*Neraudia sericea*—a (623 ha; 1,540 ac).

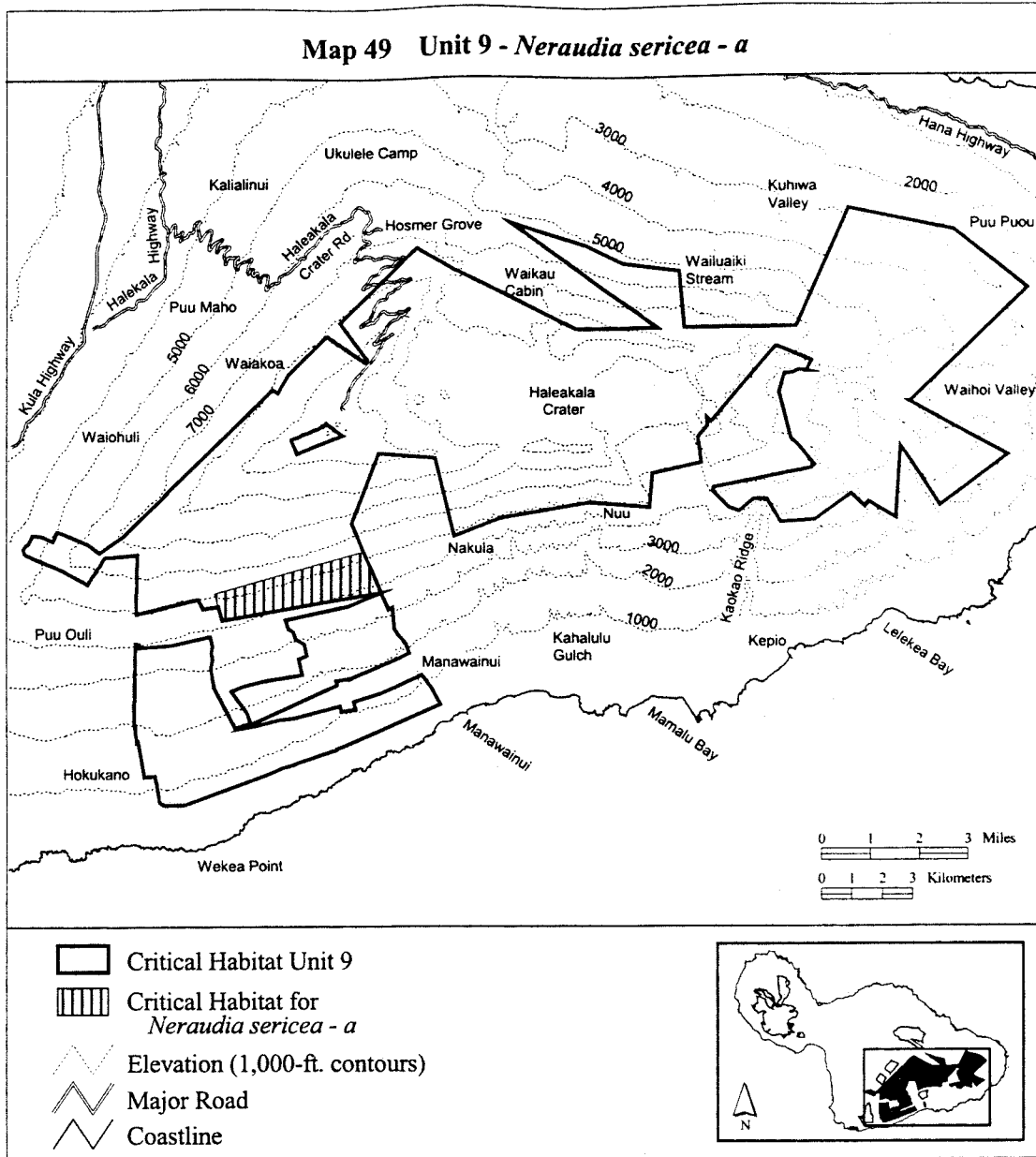
(A) Unit consists of the following 7 boundary points: Start at 787503,

2286804; 782284, 2285907; 782162, 2286366; 782046, 2286802; 786980,

2288178; 787198, 2287662; 787557, 2286813; return to starting point.

(B) **Note:** Map 49 follows:





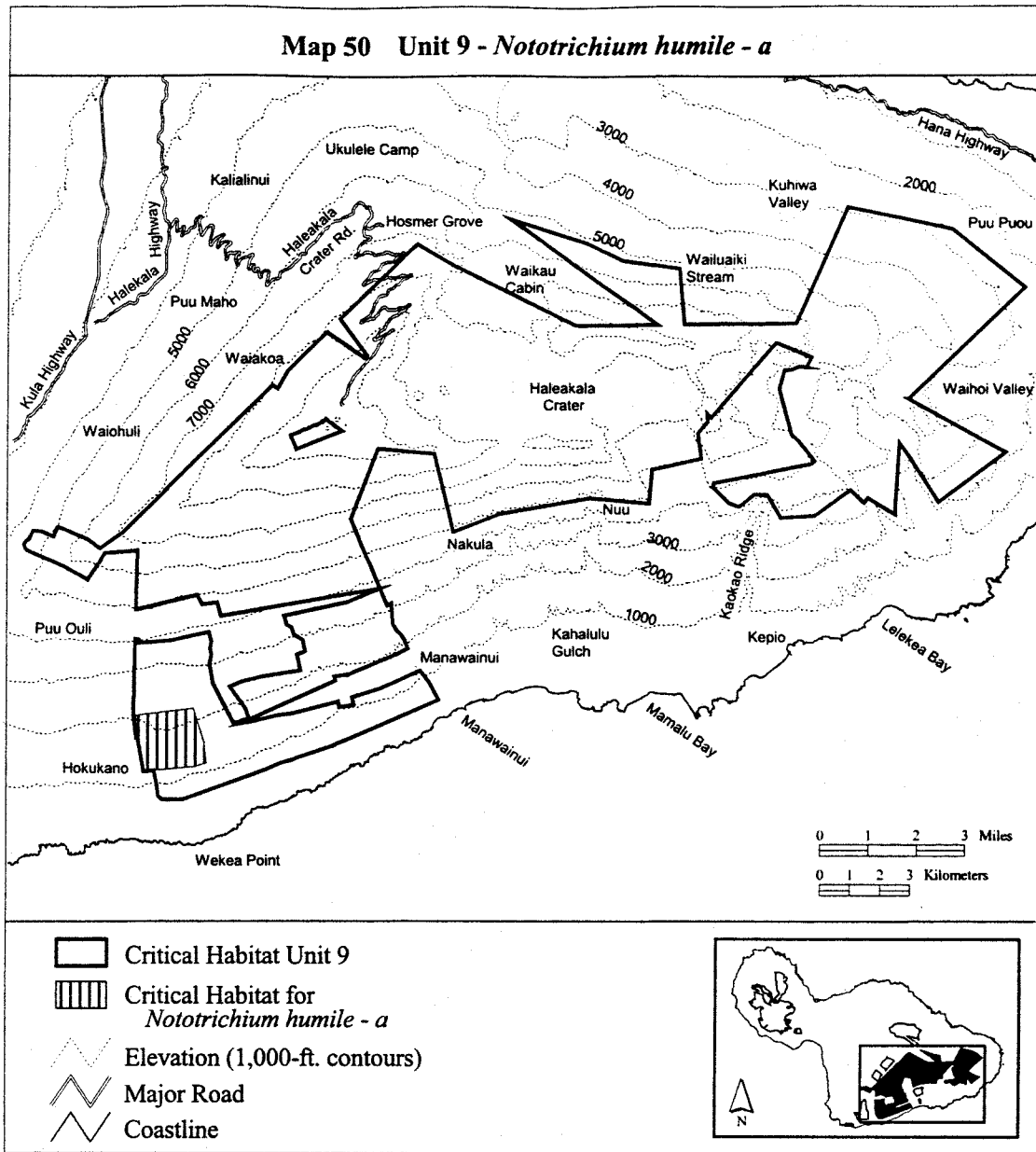
(I) Maui 9—*Nototrichium humile*—a (398 ha; 982 ac).

(A) Unit consists of the following 9 boundary points: Start at 780063,

2280787; 779707, 2280753; 779507, 2281898; 779466, 2282131; 779455, 2282613; 781370, 2282843; 781731,

2281716; 781818, 2281027; 781425, 2280917; return to starting point.

(B)Note: Map 50 follows:

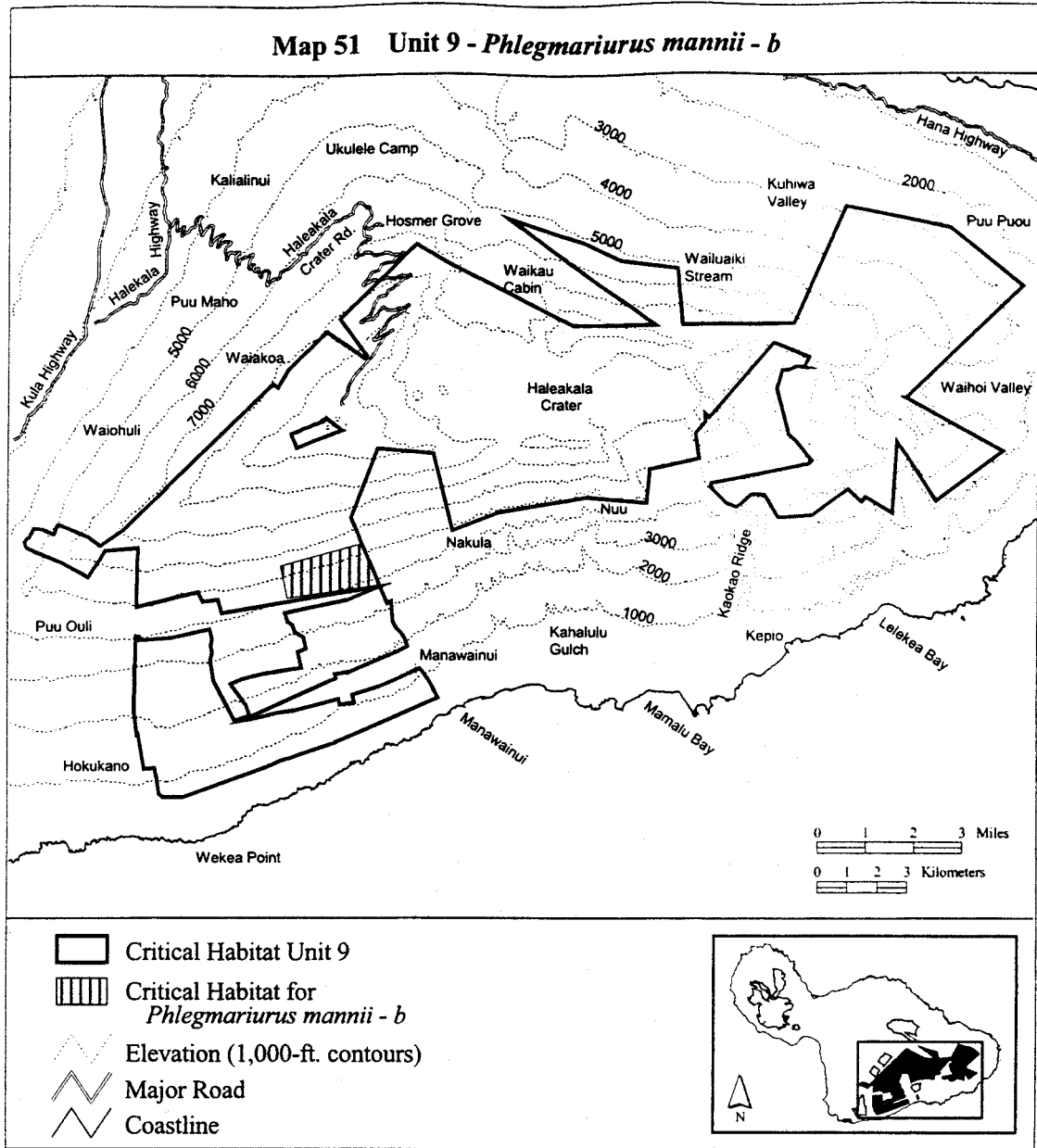


(li) Maui 9—*Phlegmariurus manni*—  
 b (383 ha; 947 ac).

(A) Unit consists of the following 4  
 boundary points: Start at 787536,  
 2286861; 784465, 2286413; 784226,

2287486; 786946, 2288260; return to  
 starting point.

(B) Note: Map 51 follows:



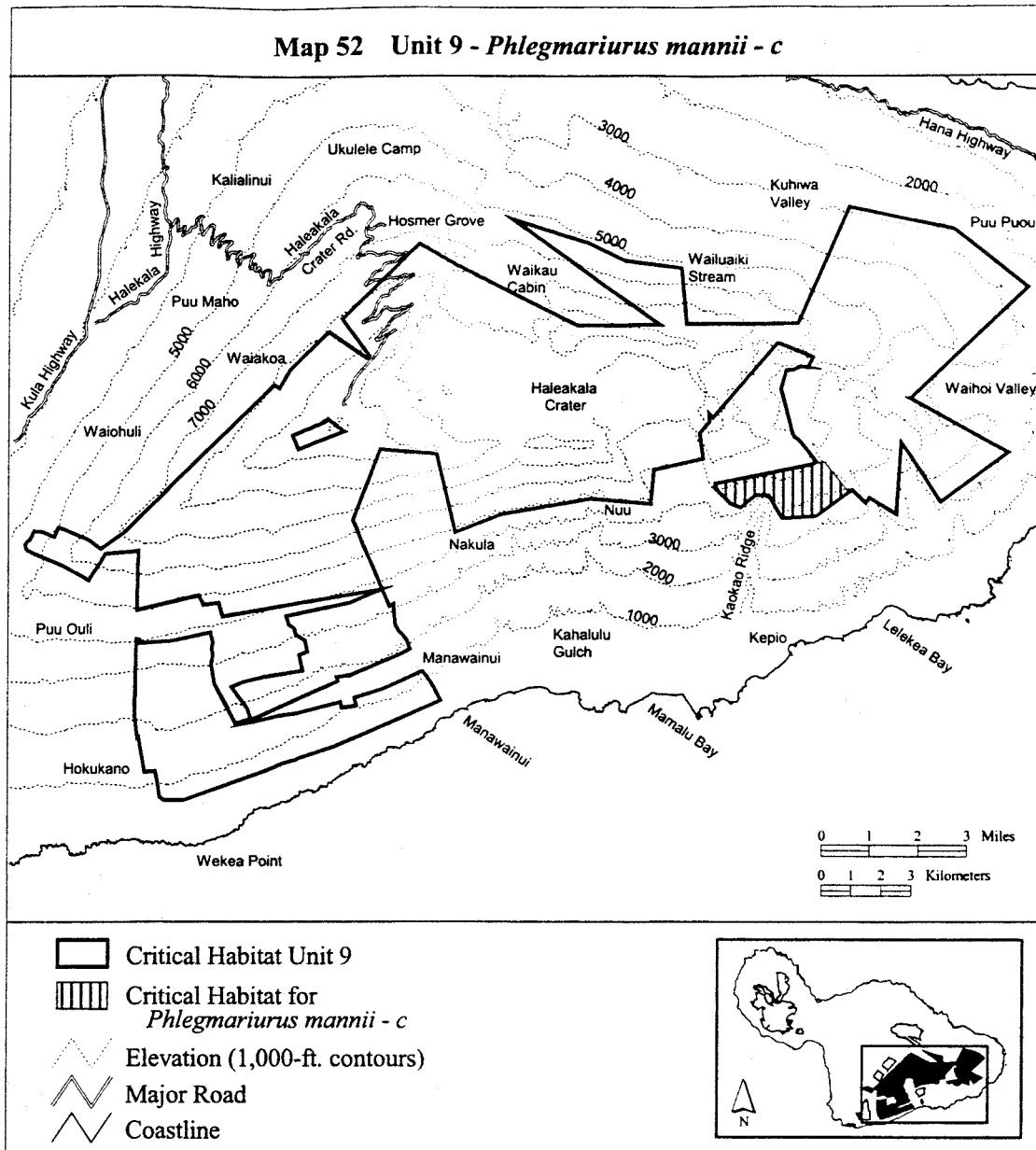
(lii) Maui 9—*Phlegmariurus mannii*—c (476 ha; 1,176 ac).

(A) Unit consists of the following 12 boundary points: Start at 801935,

2289265; 800788, 2289185; 800342, 2289966; 799912, 2289966; 799418, 2289552; 799083, 2289679; 799034, 2289728; 798541, 2290221; 798585,

2290346; 801831, 2290999; 802185, 2291070; 803010, 2290064; return to starting point.

(B) Note: Map 52 follows:



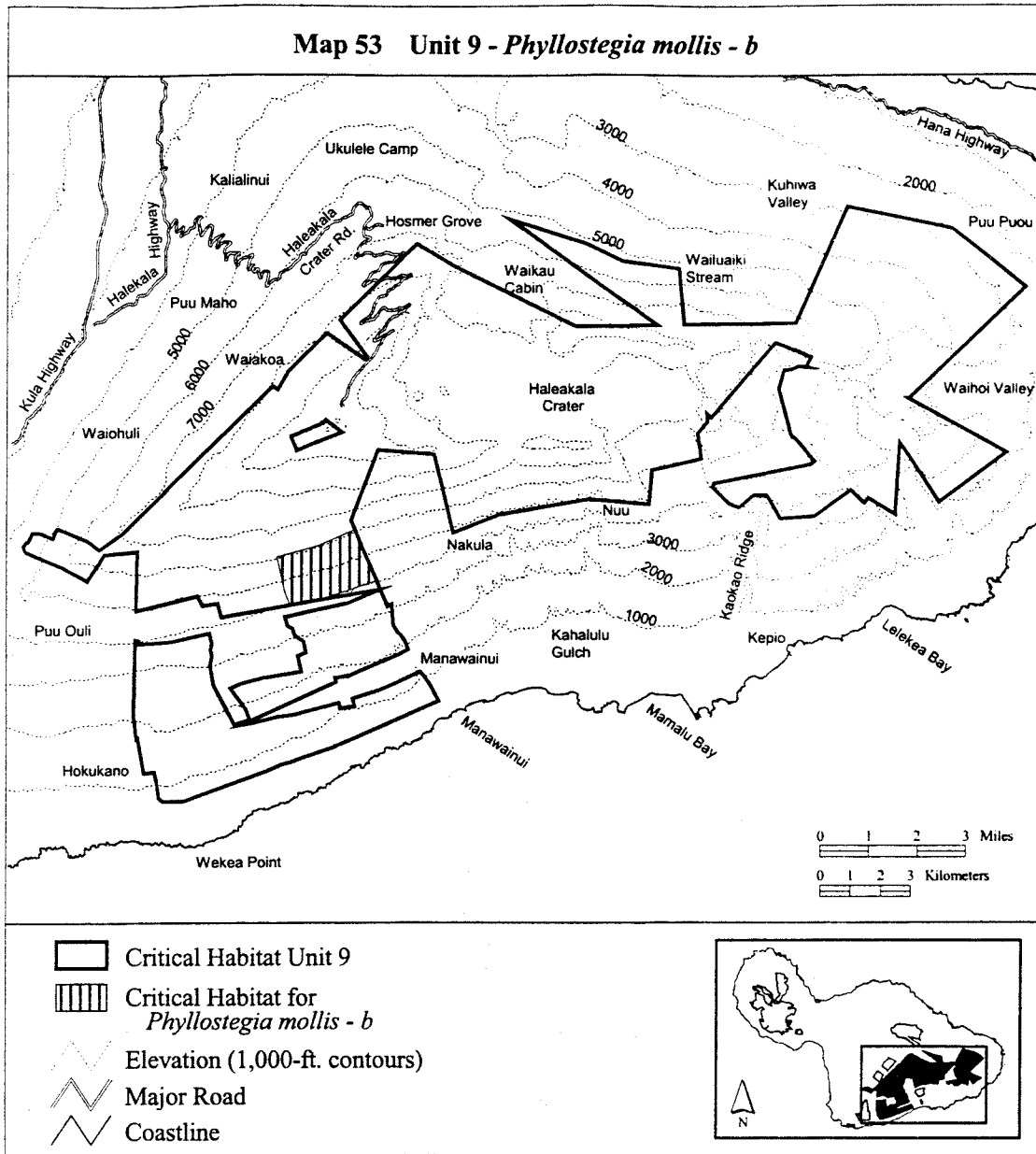
(liii) Maui 9—*Phyllostegia mollis*—b  
 (508 ha; 1,256 ac)

(A) Unit consists of the following 9  
 boundary points: Start at 787430,

2287113; 786267, 2286707; 785468,  
 2286458; 784537, 2286331; 784388,  
 2286734; 784109, 2287909; 785061,

2288163; 785507, 2288294; 786709,  
 2288819; return to starting point.

(B) **Note:** Map 53 follows:



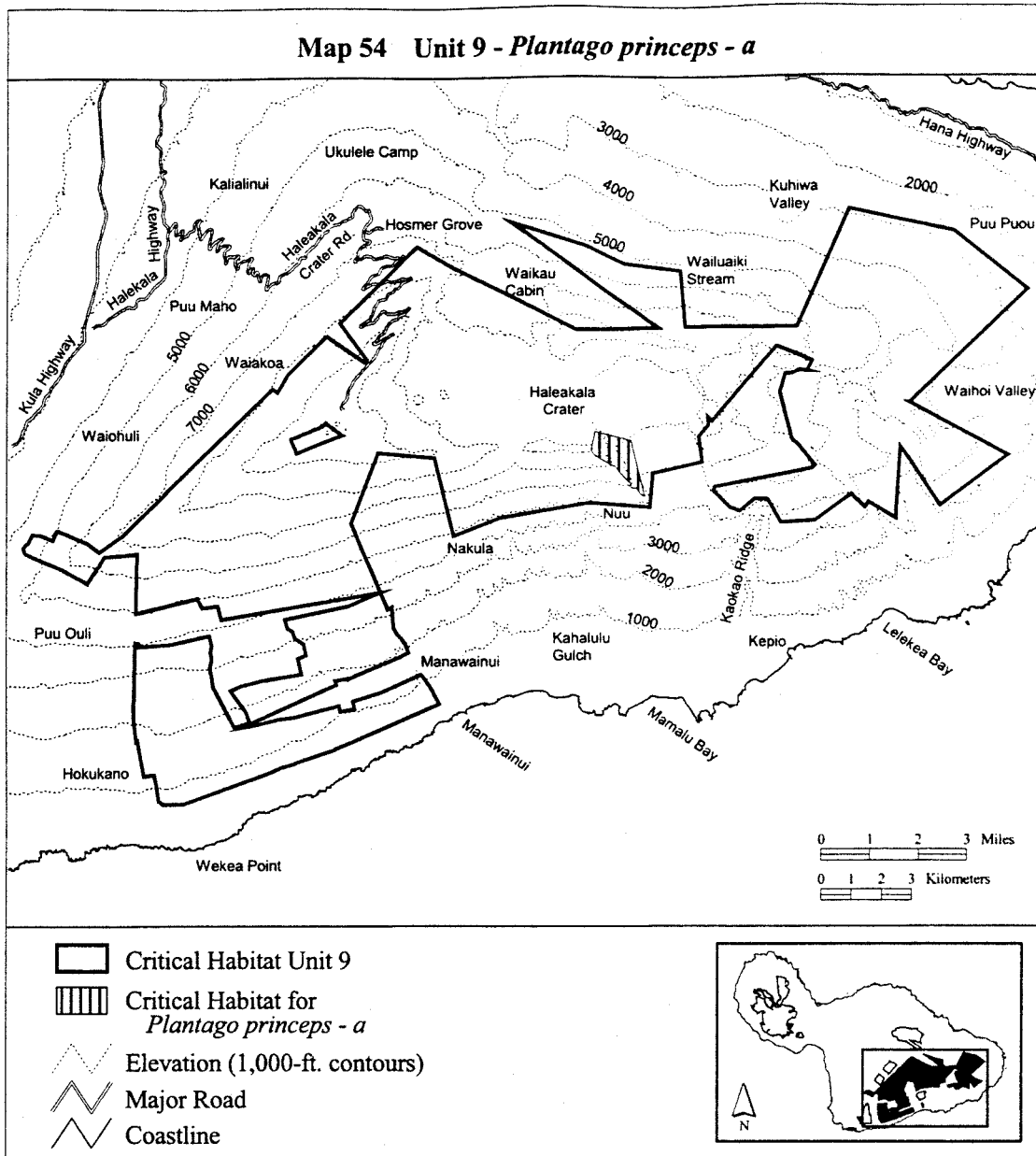
(liv) Maui 9—*Plantago princeps*—a (164 ha; 406 ac).

(A) Unit consists of the following 13 boundary points: Start at 794508,

2291589; 794636, 2292209; 795824, 2291911; 796274, 2290033; 796133, 2290112; 796008, 2290304; 795864, 2290318; 795807, 2290385; 795821,

2290462; 795400, 2290907; 795299, 2291051; 795213, 2291075; 794614, 2291434; return to starting point.

(B) Note: Map 54 follows:



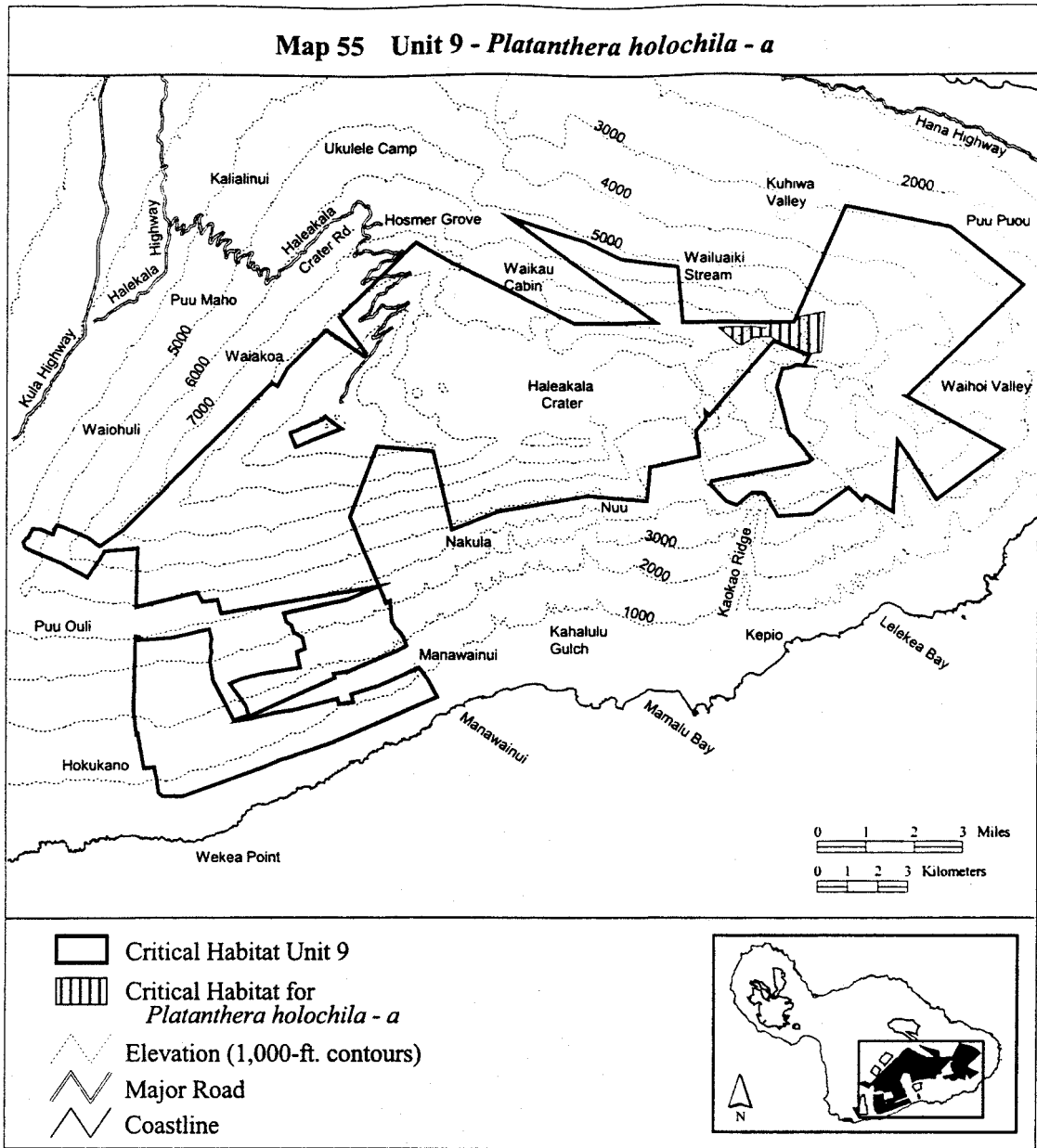
(lv) Maui 9—*Platanthera holochila*— a (241 ha; 596 ac).

(A) Unit consists of the following 18 boundary points: Start at 800379, 2295672; 800982, 2295684; 801296,

2295688; 801297, 2295688; 801367, 2295845; 802309, 2296025; 802197, 2294658; 801820, 2294614; 801346, 2294743; 801343, 2294744; 800511, 2295191; 800001, 2295168; 799735,

2294991; 799557, 2294880; 799402, 2294969; 798778, 2295470; 799935, 2295528; 800349, 2295462; return to starting point.

(B) Note: Map 55 follows:

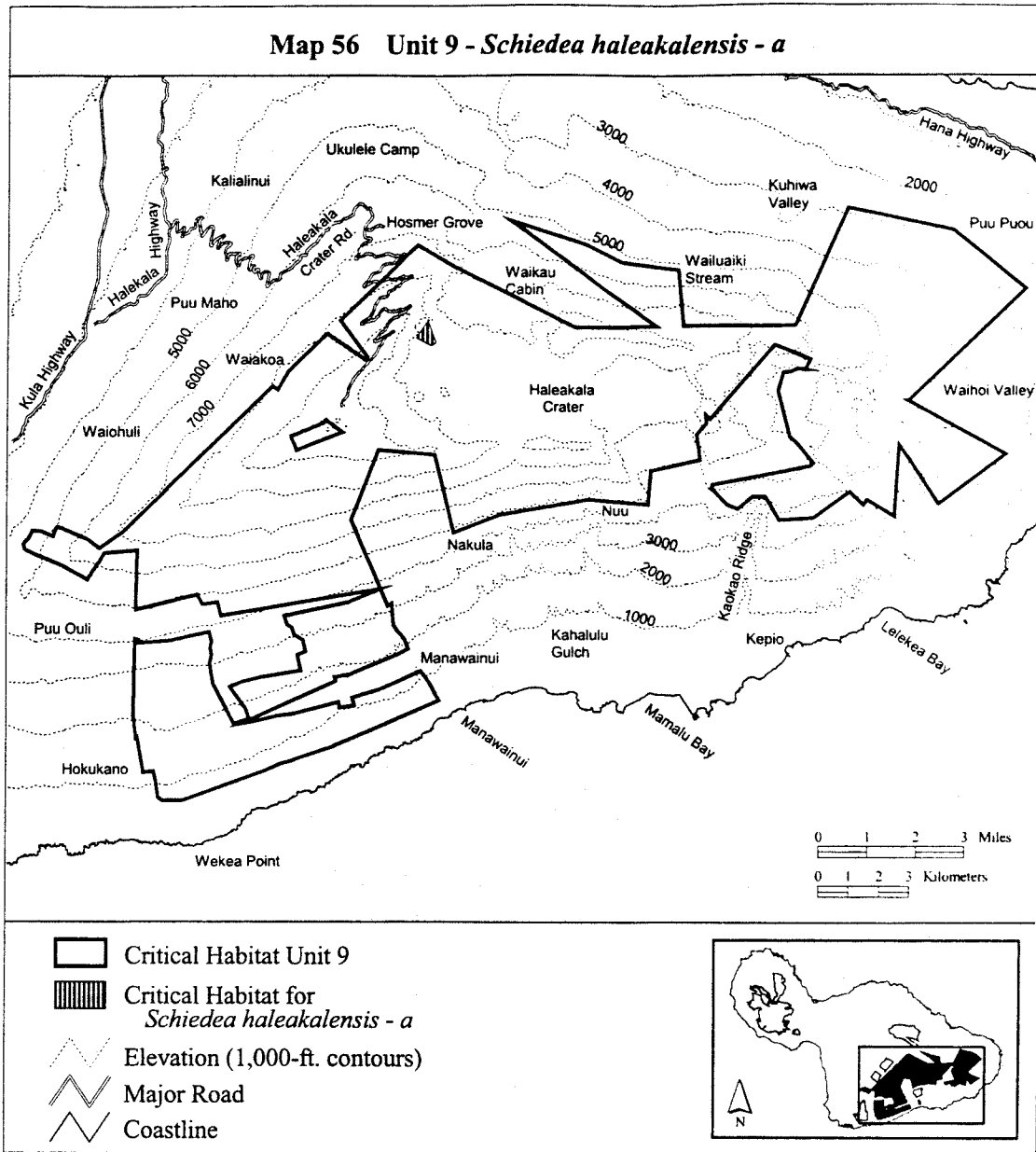


(lvi) Maui 9—*Schiedea haleakalensis*—a (26 ha; 64 ac).

(A) Unit consists of the following 4 boundary points: Start at 789350, 2295087; 789223, 2294975; 788711,

2295251; 789089, 2295825; return to starting point.

(B) **Note:** Map 56 follows:



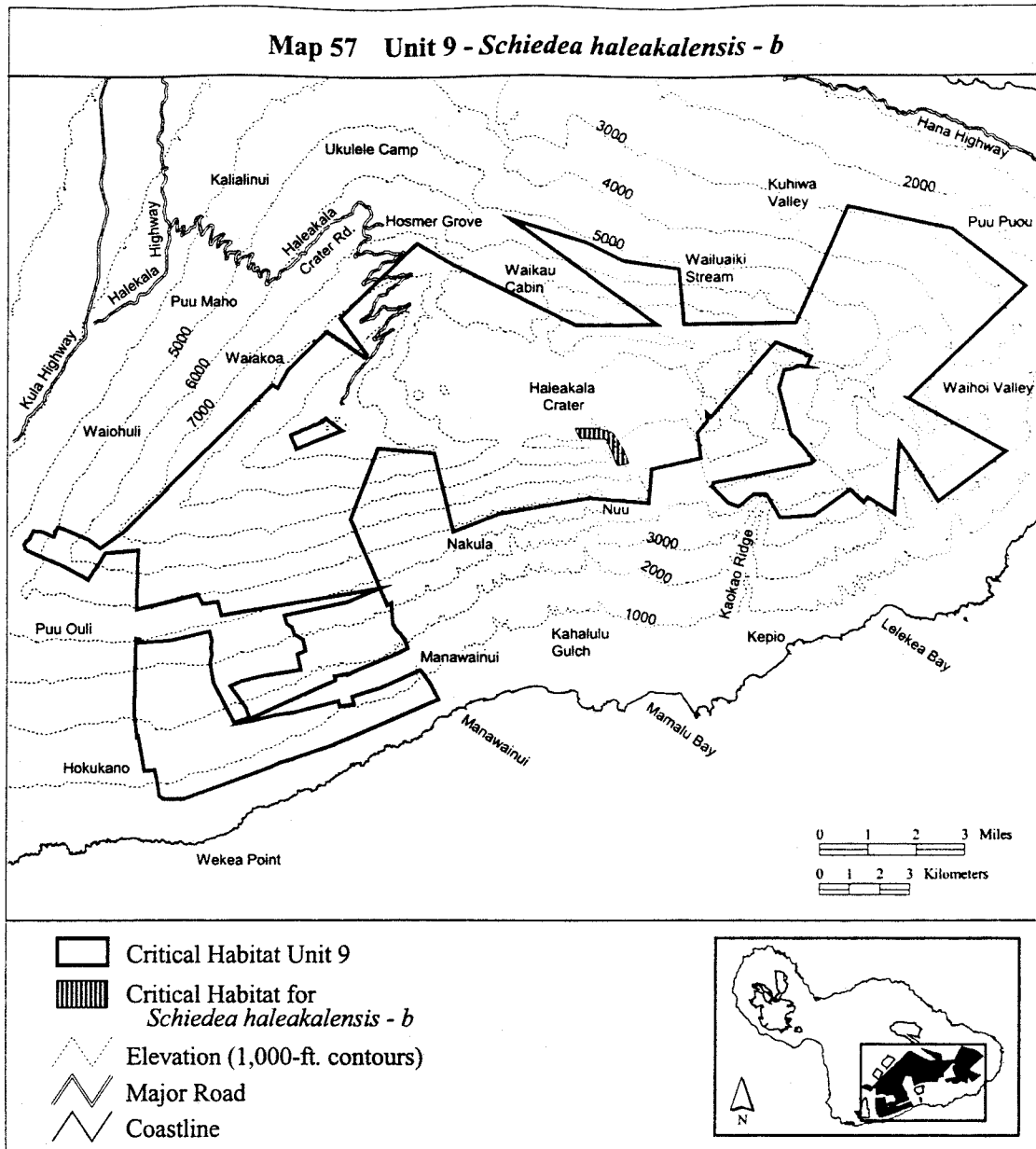
(lvii) Maui 9—*Schiedea haleakalensis*—b (77 ha; 189 ac).  
 (A) Unit consists of the following 8 boundary points: Start at 794791,

2292187; 795274, 2292032; 795602, 2291475; 795788, 2291001; 795397, 2290929; 795031, 2291796; 794146,

2291863; 793984, 2292184; return to starting point.

(B) Note: Map 57 follows:

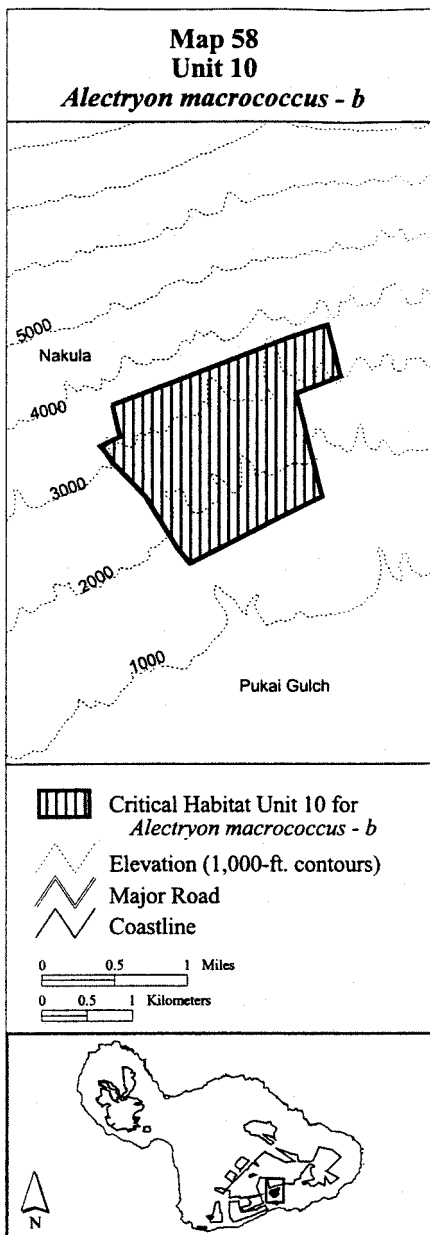




(lviii) Maui 10—*Alectryon macrococcus*—b (402 ha; 992 ac).

(A) Unit consists of the following 25 boundary points: Start at 790161, 2287892; 790167, 2287894; 792132, 2288649; 792550, 2288788; 792695, 2288207; 792207, 2288023; 792491, 2286865; 792021, 2286624; 791018, 2286111; 790896, 2286265; 790745, 2286503; 790526, 2286863; 790525, 2286864; 790342, 2287060; 790170, 2287235; 790166, 2287238; 790160, 2287244; 790149, 2287257; 790135, 2287278; 790113, 2287317; 790099, 2287341; 790085, 2287359; 790061, 2287386; 790031, 2287426; 790244, 2287538; return to starting point.

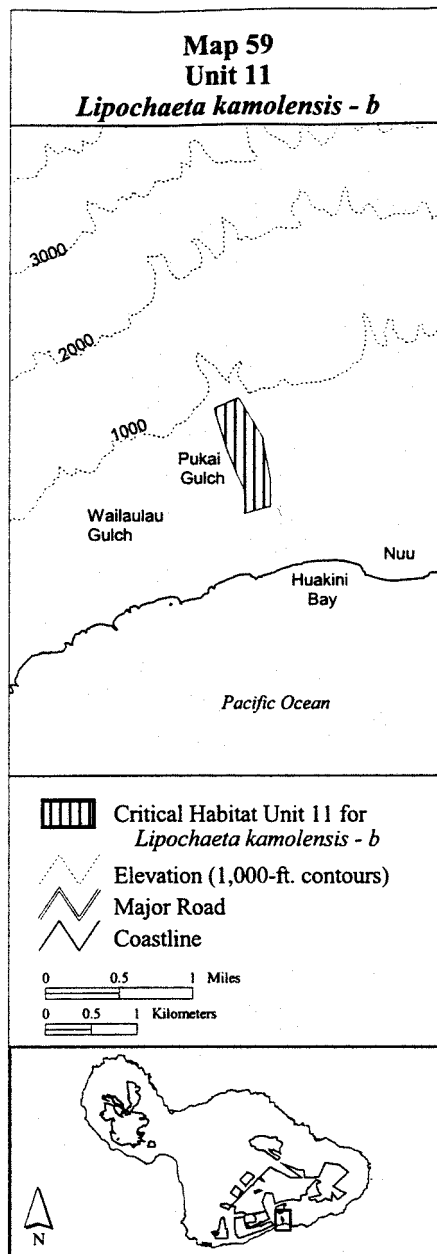
(B) Note: Map 58 follows:



(lix) Maui 11—*Lipochaeta kamolensis*—b (42 ha; 105 ac).

(A) Unit consists of the following 16 boundary points: Start at 791492, 2285251; 791757, 2285370; 791758, 2285368; 792019, 2284935; 792107, 2284459; 792107, 2284447; 792107, 2284163; 792103, 2284162; 791825, 2284087; 791831, 2284136; 791831, 2284137; 791825, 2284347; 791825, 2284348; 791736, 2284527; 791629, 2284802; 791506, 2285203; return to starting point.

(B) Note: Map 59 follows:

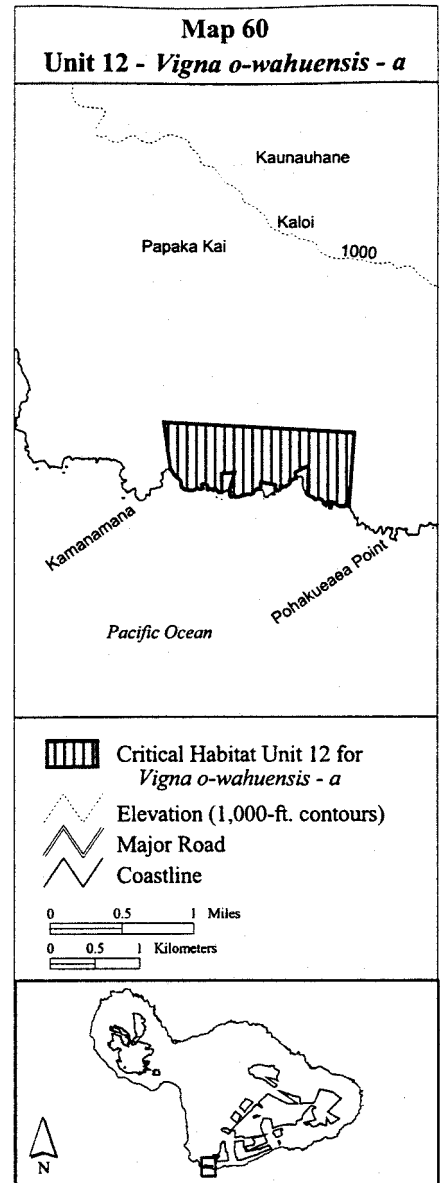


(lx) Maui 12—*Vigna o-wahuensis*—a (144 ha; 357 ac).

(A) Unit consists of the following 27 boundary points and the intermediate coastline: Start at Start at 771207, 2278581; 771207, 2278581; 772344, 2278517; 773349, 2278461; 773349,

2278461; 773349, 2278461; 773296, 2277638; 773294, 2277610; 772830, 2277758; 772830, 2277758; 772839, 2278087; 772691, 2278009; 772697, 2277944; 772464, 2277817; 772464, 2277818; 772464, 2277873; 772302, 2277904; 772291, 2277823; 772291, 2277823; 771941, 2277804; 772001, 2278009; 771861, 2277996; 771858, 2277785; 771283, 2278049; 771283, 2278049; 771283, 2278049; 771207, 2278581; return to starting point.; return to starting point.

(B) Note: Map 60 follows:



(lxi) Maui 13—*Alectryon macrococcus*—c (418 ha; 1,034 ac).

(A) Unit consists of the following 20 boundary points: Start at 777409, 2281715; 777399, 2281716; 775210, 2281944; 775397, 2282390; 775399, 2282405; 775595, 2284266; 776003, 2284682; 776042, 2284722; 776732,