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February 11, 2004

OFFICE OF ENVIRONMENTAL
QUALITY CONTROL
04 FEB 11 P1:37
RECEIVED

Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

RE: Final Environmental Assessment (DEA) and Finding of No Significant Impact (FONSI)
for East Moloka'i Watershed Partnership Fence Extension, Kawela-Makolelau, TMK 5-4 -003-
026; 5-4-003-001; 5-5-001-013; 5-5-001-015, Moloka'i

Dear Ms. Salmonson,

The Department of Land and Natural Resources Division of Forestry and Wildlife has reviewed the final environmental assessment for the subject project and the comments received during the 30-day comment period which began on December 23, 2003. The agency has determined that this project will not have significant environmental effects and has issued a Finding of No Significant Impact (FONSI). Please publish this notice in the next OEQC Environmental Notice (February 23, 2004).

We have enclosed a completed OEQC Publication Form and four copies of the final environmental assessment. Please call me or Christen Mitchell, DOFAW Planner, at 587 -0051 if you have any questions.

Sincerely,

MICHAEL G. BUCK
DOFAW Administrator

Enclosures

**2004-02-23 FONSI
EAST MOLOKAI WATERSHED
PARTNERSHIP FENCE EXTENSION**

FEB 23 2004

FILE COPY

FINAL ENVIRONMENTAL ASSESSMENT

**EAST MOLOKA'I WATERSHED PARTNERSHIP FENCE EXTENSION
KAWELA-MAKOLELAU**

District of Moloka'i
Island of Moloka'i

In accordance with
Chapter 343, Hawai'i Revised Statutes

Proposed by:

The Nature Conservancy
Moloka'i Office
PO Box 220
Kualapu'u, HI 96757

February 2004

2004-05-23 FONSI
 EAST MOKKAI WATERSHED
 PARTNERSHIP FENCE EXTENSION
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Project Summary

Executive Summary

The Nature Conservancy (TNC), through the East Moloka'i Watershed Partnership (EMoWP) and private landowners, proposes to construct a fence through the upper east Kawela and Makolelau ahupua'a between the 3,000 foot to 4,000 foot elevation of the East Moloka'i South Slope on the Island of Moloka'i. The fence will extend and connect two existing fences – The Nature Conservancy's Kamakou East Boundary fence and the Kamalo/Kapualei Watershed Project contour fence. The Nature Conservancy's Kamakou Preserve was established on Moloka'i in 1983 through a perpetual conservation easement. Kamakou Preserve is part of the State's Natural Area Partnership Program (NAPP), which provides funding for conservation actions on high-quality private land. Kamakou Preserve has become the core management area of the East Moloka'i Watershed Partnership, formed in 1999. The formation of the EMoWP happened through a grass-roots, community-wide strategic planning process of the U. S. Department of Agriculture (USDA) Empowerment Zone Program in 1998. Current partners include The Nature Conservancy (Kamakou Preserve), Kamehameha Schools (Kamalo), Kapualei Ranch (Kapualei), the State of Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW), Kawela Plantation (Kawela) and John McAfee (Makolelau).

The Kamalo/Kapualei Watershed Project became the first new project of the EMoWP with the construction of a 5.5 mile contour fence that was completed in 2001 and was the result of a cooperative effort between private landowners, conservation agencies, government and private funders, and local community groups. The EMoWP is also actively engaging partners and community hunters in the control of feral goats above and below the fence. The primary goals of the EMoWP are the protection of the native watershed containing many rare and endangered species and reduction of erosion and sedimentation of the adjoining south shore fringing reef. The *Molokai South Shore Fringing Reef* is noted by U.S. Geological Survey as "the most extensive reef tract in the United States," but the inner reef is being severely impacted by land based sedimentation.

The proposed fence will expand the protection of the East Moloka'i South Slope montane mesic to wet shrublands and forests (some of the best remaining in the State) by approximately two miles along the south slope contour. It will build upon the success of the existing Kamalo/Kapualei fence, which is effectively preventing large herds of feral goats from continual browsing on the forest edge or "browse line." The browse line is evident along the south slope from Kapualei to Kawela to Kaunakakai ahupua'a (land divisions).

This Environmental Assessment describes two project alternatives. The alternatives include a scenario for the construction of the fence described above and a no action alternative.

The analysis of the proposed project conducted in this EA recommends a Finding of No Significant Impact (FONSI). The project is expected to have primarily positive effects on the resources protected in the Reserve. No significant negative impacts are anticipated to the environment, archaeological features, view planes, or public access/use of the area during or after project implementation.

Project Name: EMoWP Fence Extension,
Kawela/Makolelau
Moloka'i District
Island of Moloka'i.

Project Location: Kamakou Preserve TMK 2-5-4-03-26
Kawela TMK 2-5-4-03-01
Makolelau TMK 2-5-5-01-13, 2-5-5-01-15
Maui County, Island of Moloka'i

Applicant: The Nature Conservancy
Moloka'i Office
P.O. Box 220
Kualapu'u, HI 96757

Approving Agency: Department of Land and Natural Resources
Division of Forestry & Wildlife
1151 Punchbowl Street, Room 325
Honolulu, Hawaii 96813

Pre-Consultation: US Fish & Wildlife Service
DLNR, Division of Forestry & Wildlife
East Moloka'i Watershed Partnership
Ke Aupuni Lokahi
Kamehameha Schools
Kapualei Ranch
Kawela Plantation
John McAfee
Robert Alcain
Walter Mendez

Anticipated Determination: FONSI – Finding of No Significant Impact

Purpose of the Environmental Assessment

A portion of the project area is within the Conservation District, and the fence will be built using state and county funds in addition to private funds. Construction within the Conservation District and the use of State and County funds trigger the need for an Environmental Assessment in accordance with Chapter 343, HRS.

Environmental Assessment Preparation Information

This EA was prepared by staff of The Nature Conservancy
Moloka'i Office
P.O. Box 220
Kualapuu, Hawaii 96757
Phone: 553-5236
Fax: 553-9870

Project Background and Need

"EZ" Strategic Plan

In the summer of 1998, an island-wide, grass roots effort to produce a Moloka'i community strategic plan needed for the USDA's Empowerment Zone (EZ) application was conducted. The planning effort lasted six months and involved hundreds of Moloka'i community members, through seven subcommittees, meeting several times each week. The effort resulted in the Moloka'i Rural Empowerment Zone Application. Moloka'i did not win an "Empowerment Zone", but did win an "Enterprise Community" (EC) in January of 1999. EZ and EC are Federal designations for economically impaired rural communities. Both program designations have the equal leveraging towards certain federal funds and are ten-year programs. The main difference between EZ (\$40,000,000) and EC (\$2,500,000) is the amount of funds awarded. These funds are intended to help "seed" the awardees' strategic plan projects. The formation of partnerships to leverage EC seed monies is highly encouraged by this USDA program. A local Moloka'i EC governing board was formed, called Ke Aupuni Lokahi, to be responsible for approving and allocating funding to projects of the strategic plan.

Feral animals have proven to be the main degraders of native forest systems. The upper elevation wet forest on Moloka'i, generally above 3,500 feet elevation, remains in relatively good shape, but is threatened by feral animals (mainly pigs) and alien plants. Ongoing efforts to reduce the threat of these species are being conducted by State, Federal and private conservation agencies along with local community hunters and hunting groups. Feral goats and cattle are the primary reason for the degradation of the rugged "middle zone" (100' - 3,000' elevation). While the last feral cattle were removed in the 1970's, large herds of feral goats still roam the south slopes of East Moloka'i, principally between Kapualei and Kaunakakai. The middle elevation continues to be denuded by feral goats, which are continually impacting the lower edges (browse line) of the native forest systems. The areas just adjacent to the browse line are denuded grasslands with many dead tree stumps – remains of a dying forest.

To maintain and/or increase the watershed capacity and protect coastal flood plains, fishponds, and near-shore reefs from run-off and sedimentation, it is essential to keep the upper zone free of animal intrusion and reduce animal numbers in the middle zone. The resulting increase in vegetative cover will improve water infiltration into the soil and groundwater, thereby increasing water availability to the landowners and tenants of these *ahupua'a*.

The strategic plan clearly states the intention of the Moloka'i community to remedy the environmental problems affecting the Moloka'i south slope and in-shore reefs. The Kamalo/Kapualei Watershed Project became the top voted priority project of the strategic plan. To facilitate the implementation of the Kamalo/Kapualei Watershed Project, the East Moloka'i Watershed Partnership (EMoWP) was formed in November of 1999, of which Ke Aupuni Lokahi became one of the partners. The EMoWP became the first Watershed Partnership to have a community group as a signed partner. Concurrently, Ke Aupuni Lokahi approved the allocation of \$100,000 to the Kamalo/Kapualei Watershed Project.

The funds helped to complete the construction of the 5.5 mile Kamalo/Kapualei contour fence (CDUP Mo-2986) in 2001. The fence has yielded dramatic results in the recovery of vegetation above it. The large goats herds in the area no longer have free access to the native forest system vegetation. A community hunting program and aerial shooting are in place to help reduce the large herds below the fence.

In April 2003, Kawela Plantations became an official partner of the EMoWP and requested similar management on their "common" lands. Kawela Plantation has the single largest land area of the East Moloka'i South Slope with over 5,500 acres. Concurrently, the land area between Kawela and Kamalo, Makolelau, was recently purchased and the new owner has joined the partnership also. The upper native forest system is contiguous to the Kamakou Preserve and Kamalo areas, and the lower edge of these systems is being severely impacted by feral goats. Both new partners want the existing Kamalo/Kapualei fence to be extended along the browse line to protect the upper forest systems and want to participate in similar feral goat control programs. Funding partners, including the State of Hawai'i, have come forward and committed funds to extend the fence, approximately 3.5 miles, from the west end of the Kamalo/Kapualei fence to the south end of the existing Kamakou Preserve East Boundary fence. The 1.7 mile Kamakou Preserve East Boundary fence was completed in 1995 under the Kamakou Preserve CDUP SH-2028. The "connecting" of the two existing fences may effectively protect over 1,500 acres of high quality native montane forests systems from invading feral goats.

Description of the Affected Environment

General Setting

The proposed fence connects the west end of the Kamalo/Kapualei fence to the south end of the existing Kamakou Preserve East Boundary fence and crosses the State Agricultural District and the State Conservation District (Protective and Resource Subzones). The project site is located in Zone C of the Flood Insurance Rate Map (FIRM), the zone that corresponds to areas outside of the 100-year floodplain. The fence is located on land managed by John McAfee (Makolelau), Kawela Plantation, and The Nature Conservancy (Kamakou Preserve). A map of the project area is attached.

Makolelau shares boundaries with Kamalo, Kawela and Kamakou Preserve. The landscape is very similar to Kawela and contains high quality mesic shrubland and forest.

Kawela Plantation's "Common lands" is the single largest parcel (5,500 acres) of the EMoWP. At one time, the Moloka'i Ranch owned about 90% of the Kawela ahupua'a. Today, the Ranch retains title only to the upper portions, which is now The Nature Conservancy's Kamakou Preserve through a perpetual conservation easement. The Kawela ahupua'a has very similar natural community types as the adjacent ahupua'a of Kamalo and Kapualei. However, the terrain does not contain as many steep gulches. The U.S. Fish & Wildlife Refuge Kakahaia Pond (Wetland) is located at the coast.

In ancient times, Kawela was once a thriving village. With the rich near-shore reefs, and abundant springs, Kawela was able to support an entire community, from royalty to commoners. Moloka'i's main city of refuge is located at Kawela. Catherine Summers' "Molokai, A Site Survey" points out that there were several "inland ponds" (Uluanui, Kawi'u) that were similar to Kakahaia Pond, a freshwater wetland, in the Kawela/Makakupaia Ahupua'a. Only Kakahaia has not been totally filled in with sediment.

In 1981, Hawaii State Senator Wadsworth Yee, developed the 5,930-acre Kawela Plantation using the "ahupua'a" model, with 210 2-acre agricultural lots in the lower elevation of the property, and the upper 5,500 acre "common" lands. Each owner enjoys access to the "common lands" which are used primarily for hunting and hiking. Approximately sixty homes have been built so far. A private water system with 5 wells serves the Plantation.

Kamakou Preserve was established in 1983 by The Nature Conservancy to protect intact examples of native Hawaiian vegetation types like montane wet and mesic forests and shrublands. Special unique vegetation types also include the Pepeopae and Pu'u Ali'i montane bogs. The 2,774-acre Preserve is under State's Natural Area Partnership Program and receives funding under a six-year contract that provides a 2:1 matching fund. Kamakou Preserve is accessible by four-wheel drive vehicle and provides opportunities for the public to experience the above mentioned natural system types. The Preserve also provides hunting opportunities on a year-round basis. The Nature Conservancy's Kamakou Preserve and its staff provide core management for the EMoWP. The Nature Conservancy's office is located 3 miles west of Kaunakakai and provides a meeting point for partner agencies, community groups and visitors.

Flora

Kamakou Preserve, Makolelau and Kawela Plantation properties contain 5 vegetation communities : Lowland Mesic Forest and Shrubland, Montane Mesic Forest and Shrubland, Lowland Dry Forest and Shrubland, Montane Wet Forest and Shrubland. In all of the land parcels, the majority of rare taxa occurrences exist above 800 m elevation (2,624 ft) and within the above mentioned vegetation systems.

Lowland mesic forests are physiognomically diverse and characterized by canopy ranging in height from 2 to 20 m tall. Tree density and species diversity tend to be less in the lower elevation areas, and generally increases with increasing altitude and rainfall (Wagner et al. 1990). Lowland dry forests contain the greatest diversity of plant species, including trees, shrubs, woody lianas, and ferns. The lowland forests and shrublands border the lower edge of an extensive higher elevation montane wet forest which contains important habitat for rare plants, forest birds, tree snails and other native invertebrates. The native shrublands that extend from Kamalo to Kamakou are considered some of the best remaining native Hawaiian shrublands in the State. These shrublands are home to hundreds of endemic Hawaiian plant and animal species.

The following rare taxa information was obtained from the Hawaii Natural Heritage Program database (April 2003).

Within the Kawela Plantation property, there are 2 rare natural communities, the Olopua (*Nestegis sandwicensis*) Lowland Mesic Forest and `Ohai (*Sesbania tomentosa*) Lowland Dry Shrubland, and 9 rare plant species that are federally listed as endangered: *Bidens wiebkei*, *Stenogyne bifida*, *Sesbania tomentosa*, *Silene lanceolata*, *Alectryon macrococcus* var. *macrococcus*, *Gouania hillebrandii*, *Schiedea lydgatei*, *Silene alexandri*, and *Neraudia sericea*. One plant species is a candidate for listing: *Ranunculus mauiensis*. Another is a species of concern: *Dissochondrus biflorus*.

Within Makolelau, there are 2 rare natural communities, Olopua (*Nestegis sandwicensis*) Lowland Mesic Forest, and Halapepe (*Pleomele auwahiensis*) Lowland Mesic Forest. Nine species are federally listed as endangered: *Gouania hillebrandii*, *Schiedea sarmentosa*, *Silene lanceolata*, *Zanthoxylum hawaiiense*, *Sesbania tomentosa*, *Vigna o-wahuensis*, *Schiedea lydgatei*, *Neraudia sericea*, and *Diellia erecta*. One species is a candidate for listing: *Nothoctrum latifolium*. Four others are species of concern: *Capparis sandwichiana*, *Melicope hawaiiensis*, and *Chamaesyce skottsbergii* var. *vaccinioides*, *Lepidium bidentatum* var. *owahiense*.

In April 1992, Steve Perlman (expert botanist) observed over 50 mature plants of listed endangered *Silene alexandri* on the border of the Kawela / Makolelau boundary. The only three populations of this plant were restricted to the east Moloka'i mountains. By March 1997, Steve Perlman confirmed that *S. alexandri* were all destroyed by goats and likely to be extinct in the wild (Perlman, Aug. 2001). The *Silene lanceolata* population at Makolelau, which numbered 100 plants in 1991, was likewise destroyed by goats. However, two mature *Silene lanceolata* plants were observed in 1999 by Ken Wood in the upper Kawela Plantation lands at 2,930 ft. These native *Silene* species, or catchflies, are in the Pink family, most of which are very rare subshrubs.

Fauna

Birds make up the native terrestrial vertebrate fauna on Moloka'i. Of the nine endemic birds known from East Moloka'i, two are federally listed as endangered (the Moloka'i creeper or kakawahie [*Paroreomyza flammea*] and the Moloka'i thrush or oloma'o [*Myadestes lanaiensis rutha*]), and another is considered endangered by the State of Hawai'i (the 'i'iwi [*Vestiaria coccinea*]). Four species are considered extinct.

The kakawahie was last recorded near Ohialele on the eastern boundary of Pu'u Ali'i, north of Kamakou Preserve, in 1963. The kakawahie was also seen at two other locations in the vicinity of Pu'u Ali'i and Kamakou Preserve in 1961 and 1962. It is possible that kakawahie is now extinct (Scott et al. 1986).

The oloma'o is also federally listed as endangered (USFWS 1989). The small remnant population appears to have a low probability of long-term survival (Scott et al. 1986). It has been reported only along the Pelekunu Valley rim from Ohialele south and beyond Pu'u Ali'i, and the Olokui Natural Area Reserve east of Pu'u Ali'i reserve. It was last reported from the reserve in 1979 during the U.S. Fish and Wildlife Forest Bird Survey in the south-central part of the reserve. Previous to this sighting, oloma'o was recorded in 1907 just south of Pu'u Ali'i and in Pelekunu.

'I'iwi is considered endangered by the State of Hawai'i on Moloka'i, O'ahu, and Lana'i, but is a common species on Maui, Kaua'i, and Hawai'i (DOFAW n.d.). The U.S. Fish and Wildlife Service 1979-80 Forest Bird Survey of Moloka'i found a relict distribution in the Olokui Natural Area Reserve and the Kamakou Preserve.

Three more common, endemic bird species from the area are the Hawaiian owl or pueo (*Asio flammeus sandwichensis*), 'apapane (*Himatione sanguinea sanguinea*) and 'amakihi (*Hemignathus virens wilsoni*). Throughout East Moloka'i, the pueo (lower, drier slopes) and 'apapane (upper forest systems) are commonly observed, while 'amakihi is uncommonly seen or heard.

Native invertebrate fauna in the project area are very diverse and include beautiful land snails. Four species of achatinellid land snails have been reported from the Kamakou Preserve area in recent years. *Partulina tessellata*, *P. redfieldii*, *P. proxima*, and *P. mighelsiana* were found on or near the southern boundary of the reserve in adjacent Kamakou Preserve in 1988. Because only *P. redfieldii* is found in the lower mesic forest and shrubland habitats of Kamakou Preserve, it is highly probable that only *P. redfieldii* is found in the project area. Malacologists believe virtually all Hawaiian land snails are rare and in danger of extinction.

Nonnative animals observed or thought to occur in the project area include feral pigs (*Sus scrofa*), goats (*Capra hircus hircus*), rats (*Rattus* spp.), birds, and a few invertebrates.

Significant and Sensitive Habitats

A portion of the proposed fence is located within the designated critical habitat for the endangered Blackburn's Sphinx Moth (*Manduca blackburni*). In addition, the proposed fence will provide protection for designated critical habitat of approximately thirteen Moloka'i plants: *Bidens wiebkei*, *Diellia erecta*, *Eugenia koolauensis*, *Labordia triflora*, *Neraudia sericea*, *Plantago princeps*, *Schiedea lydgatei*, *Schiedea sarmentosa*, *Silene alexandri*, *Silene lanceolata*, *Spermolepis hawaiiensis*, *Stenogyne bifida* and *Zanthoxylum hawaiiense*.

Archaeological Sites and Cultural Resources

The following steps were taken to determine the cultural and historical significance of the project area: (1) a general literature review was conducted to determine if there were any studies of the area or any myths or legends specific to the area; (2) a helicopter survey of the route with two local cultural practitioners, Robert Alcain and Walter Mendez, was conducted in November 24, 2003. Both are members of Moloka'i Halaus and practice laau lapaau and gathering of food resources. Both expressed a need to protect the native forest from further damage and the need to remedy the erosion of the denuded lands. Both practitioners did not know of any traditional or cultural practices that would be negatively impacted by construction of the fence, and both supported the project for its ability to protect the native resources. In addition, Mendez has experience acquired through working with the archaeologist Marshall Weisler and did not observe any archaeological sites along the proposed fence route.

The Draft Environmental Assessment was distributed to the State Historic Preservation Division. The Division stated that it has no record of historic sites on the subject parcel. While it does not appear that this area has undergone an archaeological inventory survey, the Division noted that generally, there are few historic sites at these elevations. Based on the survey by the cultural practitioners and the project area, the Division concluded that "no historic properties will be affected" by the proposed extension of the fencing.

The proposed fence will provide long-term protection for native forest that contains native plants, some of which were used historically by Native Hawaiians for ethnobotanical or medicinal purposes. Providing long-term protection for these native plants is anticipated to positively impact traditional and cultural practices.

Discussion of Alternatives Considered

This environmental assessment considers the following project alternatives:

Alternative 1: Construct fence extension that will connect the west end of the Kamalo/Kapualei fence to the south end of the Kamakou Preserve east boundary fence (preferred alternative).

Alternative 2: No fences to be constructed (no action)

Under Alternative 2, no new fences would be built. Ungulate control, in the form of periodic ground and aerial hunts, might take place as in the past. Funding for these programs is year-to-year and not guaranteed. This type of ungulate control results in pushing goats up into the native forests, causing further damage to currently intact areas.

It is recommended that this alternative not be pursued, as it implies acceptance of the status quo and will lead to continued degradation of the native forest systems and continual erosion, resulting in sedimentation of the Moloka'i South Shore Fringing Reef. It will also severely hamper the momentum that has been established as a result of the Moloka'i Rural EZ Application Strategic Plan. The Moloka'i community highly values the native watershed and inshore reefs as essential resources to the livelihood and character of the Island of Moloka'i.

Project Description – Preferred Alternative

General

As described earlier, the 3.5 miles will connect the west end of the Kamalo/Kapualei fence to the south end of the Kamakou Preserve fence. The fence will be constructed of 47", triple-dip, hi-tensile, hog-wire mesh. One strand of barb-wire will run along the bottom of the fence, while two additional strands of barb-wire will run along the top of the fence (6" apart), which makes the total height of the fence at 5 feet. Galvanized steel seven foot t-post will be used and pounded in using manual post pounders. In addition, hog-wire mesh will be used to "skirt" the bottom of the fence to secure holes along uneven terrain. Wedge-lock fittings will be used to secure bracing along the fence.

The fenceline was selected on the basis of topography, cost, and the absence of rare and endangered plant populations.

Two-thirds of the fence line, from the Kamalo end to the Kawela side of the fence, is in open grassland, much of it denuded. Very little brushing will be required of this section. For the one-mile north end of the fence, on the Ka makou end of the fence, major brushing will be required through the thick uluhe fern of the mesic forest and shrublands. Before clearing of vegetation, TNC will mark all rare plants. A line four feet wide will be brushed to install the fence.

Fence specifications

1. Vegetation to be cleared from 4' wide by 8' tall corridor for fence construction and maintenance access. Where possible, fence to be routed along existing game trails and through open/disturbed areas. Trees over 6" diameter not to be cut.
2. Seven foot T-post with spades spaced approximately 8-10' apart driven into ground.
3. Hog Wire mesh, 47", triple-dipped galvanized, hi-tensile fence will be installed at ground level, with 1 strand of barbed-wire just below the bottom strand of the wire mesh, and 2 strands of barbed-wire spaced six inches above the top of the wire mesh. The height of the fence including the two top strands of barbed-wire will be 5 feet.
4. Wedge-lock fitting will be use to secure corners braces, gate braces and reinforcement braces.
5. Barbed wire, aprons, "dead-man" anchors or other appropriate means will be used to secure the bottom of the fence.
6. Road gates will be installed at Makolelau and Kawela access roads. Trail gates will be installed at Makolelau Spring trail and Puu Kolekole trail. Fence climb-over gates will be installed on ridge tops for to facilitate access up and down the ridges.
7. Stream crossings will have hanging curtains, break-away sections or other structures installed to protect the fence from damage during high water. Where possible, the fence will be anchored at both corners of a waterfall. In this way, the fence will not have to cross the stream bed.

Progression, and Timeline

The progression and estimated timeline of the project follows:

1. The Kawela/Makolelau contour section will begin in April or May of 2004, and should take 15 to 18 weeks to complete depending on weather conditions. This section is approximately 2/3rd the length of the fence. There will be some brushing consisting of mainly non-native shrubs and grasses. This section is approximately 2.5 miles.
2. The Kamakou section is about 1 mile, but there is significant brushing of native shrubland vegetation especially the uluhe fern and native shrubs. This section will take approximately 15 – 18 weeks to complete.
3. The last phase of the fence project will take approximately 8 weeks and will consist of locating and patching ground holes with fence aprons, and locating and hauling out any fence materials left on the line.

Cost Estimates

The estimated cost for this project is approximately \$232,000 and is being funded through grants from the U.S. Fish & Wildlife Service, the U.S. Department of Agriculture, the County of Maui Department of Public Works, the County of Maui Department of Water Supply, and the State Natural Area Reserves Fund.

Consistency with County Plans

The proposed construction of ungulate-proof fencing is consistent with the Maui County General Plan (1990), specifically Environmental Objective 1 "to preserve and protect the county's unique and fragile environmental resources" and the related policies to "(a) preserve for present and future generations the opportunity to experience the natural beauty of the islands; (b) preserve scenic vistas and natural features; (c) support programs to reduce air, land and water pollution; (d) support programs to protect rare and endangered species and programs which will enhance their habitat; and (e) discourage the introduction of noxious foreign species into Maui County's unique island ecosystems." The proposed project is also consistent with the Moloka'i Community Plan's (2001) goal to "preserve, protect and manage Moloka'i's exceptional natural land and water resources to ensure that future generations may continue to enjoy and protect the island environment," and the following related objective/policy to "protect and encourage the restoration of native habitats through government and private conservation, land management and educational programs."

Potential Environmental Impacts of the Project

Implementation of the preferred alternative is not expected to have significant negative impacts on the environment of the project area. During pre-consultation and comparison with similar projects, the following areas of concern were identified as possible minor negative effects.

Vegetation:

Installation of the proposed new fences will require clearing of vegetation along the fence corridor. Native vegetation dominates the landscape and will have to be cut and removed in a swath approximately 4' wide. The amount of clearing required in a given area will vary depending on the predominant vegetation type, and the amount of previous disturbance. Fence construction in this environment will undoubtedly result in damage to the understory, especially uluhe (*Dicranopteris linearis*, *Sticherus owbyhensis*, *Diplopterygium pinnatum*) which blankets the floor of the mesic forest and shrubland systems.

Wildlife:

Construction of the fence is not expected to have much direct negative impact on native birds. As most of the vegetation clearing required will be limited to understory ferns and shrubs, the chance of nests being damaged is minimal. Native snails may be on brush cleared for the fence; they are expected to survive and relocate to new sites from cut branches.

Historic Sites / Cultural Practices:

There are no known historic sites in the project area. Members of the Moloka'i community exercise traditional access, gathering and other rights within the project area as recognized by law. Fencing is not anticipated to alter these rights. However, as the intent of the fence is to protect and restore native natural resources, the long-term impact on traditional and cultural practices may be positive.

Economic:

No significant economic impacts are foreseen by the project. Local term labor will be used for construction of the fence; a short term economic benefit. Volunteer hunters will be recruited to remove animals from the enclosed areas, and recovery of meat will be encouraged.

Soils:

No adverse impact expected. There may be some minor erosion caused by establishment of foot trails along the fence corridor. The net benefit from vegetation recovery after ungulates are removed from within the fence is expected to more than compensate for this.

Noise:

Small power machinery such as chainsaws, drills, generators, etc. will be required for fence construction. Additionally, helicopters will be used to ferry workers and materials to the project site. Helicopter operations will typically last for one or two hours, two days a week.

Visual:

There will be no negative visual effect of the fence. The existing Kamakou Boundary fence and the Kamalo/Kapualei fence are virtually invisible from the coast highway. The fence location of the Kamalo/Kapualei fence (not the fence itself) is visible today, as the vegetation is beginning to recover above the fence. The proposed fence is anticipated to have similar visual impacts.

Public Access:

The fence is within private lands and public access will remain as before, through owner's permission. The fencing might be considered to impede access along some historically used routes.

Mitigation of Potential Impacts

Vegetation:

The proposed fence corridor has been surveyed for rare or endangered species. None were located. A botanist will conduct a final survey and will accompany laborers during the brushing and clearing phase to minimize impacts to uncommon trees and shrubs and re-route the fence if rare species are discovered. Wherever possible, the fence alignment will be routed to minimize the removal of woody vegetation. Trees greater than 6" diameter will not be cut. All fence construction activities including the clearing of the corridor will be carried out under the direct supervision of trained TNC personnel. Damage to native vegetation will be unavoidable along the Kamakou Preserve segment especially in the lower parts in the native shrubland.

Alien species:

The following practices will be implemented to minimize the introduction of alien plants and insects and to reduce the possibility of establishment. First, boots, equipment and materials will be inspected for seeds, eggs, larvae, etc., prior to delivery and/or entry into the project area, and cleaned as necessary. All construction workers will be instructed on specific procedures to prevent the spread or introduction of noxious plants in the project area. In addition, precautions will be taken to prevent spreading alien plants already found in the project area, and all food, refuse, tools, gear, and construction scrap will be removed upon completion of work.

Wildlife:

A biologist will be survey the fence corridor during the vegetation clearing phase to identify locations where active bird nests or tree snails may be impacted. If necessary, construction in these sites will be delayed until nesting is finished. In areas possibly inhabited by snails, cutting and clearing of vegetation will be done only after the vegetation has been carefully inspected for snails. Whenever possible, cleared vegetation will be placed on native vegetation so that any undetected native tree snail will have the opportunity to reach a replacement host plant. Where possible, snails will be moved out of the immediate fence corridor.

Historic Sites / Cultural Practices:

No sites were noted during a field survey of the fence corridor. If any sites are discovered during the construction phase, all work will cease and the appropriate parties, including the State Historic Preservation Division, will immediately be consulted. Cultural Practitioners have surveyed the fence route and are in agreement with the fence as it will preserve native species important to cultural activities such as the hula, laau lapaau and will retain/improve the watershed.

Soils:

Where ever possible, fence alignments were chosen that follow pre-existing game trails, to avoid further disturbance of the forest floor.

Noise:

Power tool and helicopter operations will take place only during normal working hours. A Hughes 500 aircraft will be used for the majority of helicopter operations. This is the smallest aircraft available and is expected to be less obtrusive than the numerous tour aircraft that use the area.

Public Access:

Because the proposed fence might impede access in the area for recreational (hunting/hiking) activities, gates will be installed at the four locations where the fence will cross 2 existing roads and 2 existing trails to ensure continued access. Climb-over gates will be installed at ridge tops to aid recreational activities. The East Moloka'i Watershed Partnership will continue to work closely with the local hunting community to ensure that these mitigation measures are sufficient to secure reasonable public access.

Anticipated Determination and Findings and Reasons Supporting the Anticipated Determination

It is not anticipated that this project will have a significant impact on the surrounding environment, and a Finding of no Significant Impact (FONSI) is recommended. This determination is based on the evaluation of the project in relation to the following criteria

identified in the Hawai'i Administrative Rules § 11-200-12 and in the OEQC Environmental Review Guidelines.

1. *Involves an irrevocable commitment to loss or destruction of any natural or cultural resource.*

The intent of this project is to benefit natural resources (native plants and animals) protected in the native forest of Kamakou Preserve, Kawela Plantation, Makolelau and Kamalo. Some common native plants may be damaged during fence construction, but not to any significant degree. Regeneration of vegetation after removal of ungulates is expected to more than offset damage incurred during construction. No archaeological sites have been identified in the immediate vicinity of the fence alignment. The project may indirectly benefit the preservation of sites in the area, as trampling and soil disturbance by hooved animals will be stopped.

2. *Curtails the range of beneficial uses of the environment.*

Appropriate public access to and use of the area will not be affected. The site will remain open space and managed as a watershed project. The end result will increase the beneficial uses of the environment.

3. *Conflicts with the state's long term environmental policies or goals and guidelines as expressed in Chapter 344, Hawaii Revised Statutes (HRS), and any revisions thereof and amendments thereto, court decisions, or executive orders.*

This project follows the mandate of the state Natural Area Reserve Law, HRS 195, recognizing Hawai'i's unique natural resources and encouraging that actions be taken which "...preserve in perpetuity specific land and water areas which support communities, as unmodified as possible, of the natural flora and fauna..." The proposed action is also consistent with Chapter 344 and with the State's mandate to conserve threatened and endangered species, as required by Chapter 195D, HRS.

4. *Substantially affects the economic or social welfare of the community or state.*

This project is not expected to have substantial impact on the economy, as there is no present economic use of the site, and funds for implementation are coming from government grants and private donations. Social impacts are expected to be minor, yet positive as the community will benefit from the protection and restoration of this unique example of Moloka'i's rapidly vanishing natural heritage, in the form of improved opportunities for nature appreciation, education, and research. Hunting opportunities on private lands will likely increase. Community members will benefit from the recovery of meat from animals taken by volunteer hunters.

5. *Substantially affects public health.*

The project site is nearly 5 miles away from the coast. The nearest residential area is Kawela Plantation, and agricultural subdivision. Implementation is not expected to create any off-site effects, other than short-term noise generated by small power tools, and occasional use of helicopters.

6. *Involves substantial secondary impacts, such as population changes or effects on public facilities.*

No public facilities will be impacted. No change of population will result from this project.

7. *Involves a substantial degradation of environmental quality.*

The project will not degrade the environmental quality of the area. The intent of the project is to improve environmental quality by restoring a natural forest system. Off-site benefits may include reduced soil erosion and watershed enhancement, improving stream water quality, nearshore water quality, and the health of reef ecosystems.

8. *Is individually limited, but cumulatively has considerable effect upon the environment or involves a commitment for larger actions.*

This project is not expected to contribute to any negative, cumulative effects upon the environment. There are other forest/watershed protection projects on-going or being developed for East Moloka'i, including some projects on private, State and Federal lands. The formation of the East Moloka'i Watershed Partnership may lead to the development of a regional conservation plan that addresses some of these sites and allows for leveraging of resources. However, this proposed fencing project is planned independently of other conservation projects. The proposed project action does not involve a commitment for larger actions.

9. *Substantially affects a rare, threatened or endangered species or its habitat.*

The project will not negatively affect a rare, threatened or endangered species or its habitat. The purpose of the project is to protect a native Hawaiian rain forest and the plant and animal species found therein. Numerous rare plant species in the project area are expected to benefit from increased protection, as could other native species if reintroduced into the area. The project site is within an area proposed by the U.S. Fish and Wildlife Service as "critical habitat" for plants and for the Blackburn's sphinx moth. The project is in accordance with the recommendations of the Service for endangered species recovery.

10. *Detrimentially affects air or water quality or ambient noise levels.*

Some noise will be generated during fence construction, primarily from small power equipment and hand tools, with occasional operation of helicopters. This activity will take place only during daylight hours, and far from any residential area. Over the long term, regional water quality may be improved when increased vegetative cover reduces soil erosion.

11. *Affects or is likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters.*

The project is designed to protect an environmentally sensitive area. Where gulches are crossed, natural barriers such as waterfalls were used so that fences will not need to be built in stream channels.

12. *Substantially affects scenic vistas or view planes identified in county or state plans or studies.*

The project will not substantially affect scenic vistas or view planes of the area.

13. Requires substantial energy consumption.

The project will not require substantial energy consumption, but instead will consume small amounts of energy during construction through the use of small power tools and the transportation of materials and crew.

List of Permits Required for Project

Construction of the project requires a Conservation District Use permit from the Department of Land and Natural Resources. No other permits are anticipated at this time.

References

Moloka'i Enterprise Zone Application. 1998.

State of Hawai'i, Department of Land and Natural Resources. Pu'u Ali'i Natural Area Reserve Management Plan. October 1991.

U.S. Department of the Interior, Fish and Wildlife Service. Final Rule: Final Designations and Nondesignations of Critical Habitat for 42 Plant Species from the Island of Molokai, Hawaii. March 18, 2003. 68 FR 12982.

U.S. Department of the Interior, Fish and Wildlife Service. Final Rule: Designation of Critical Habitat for the Blackburn's Sphinx Moth. June 10, 2003. 68 FR 34710.

List of Parties Consulted through Distribution of the Environmental Assessment

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DLNR, State Parks
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DLNR, Office of Conservation and Coastal
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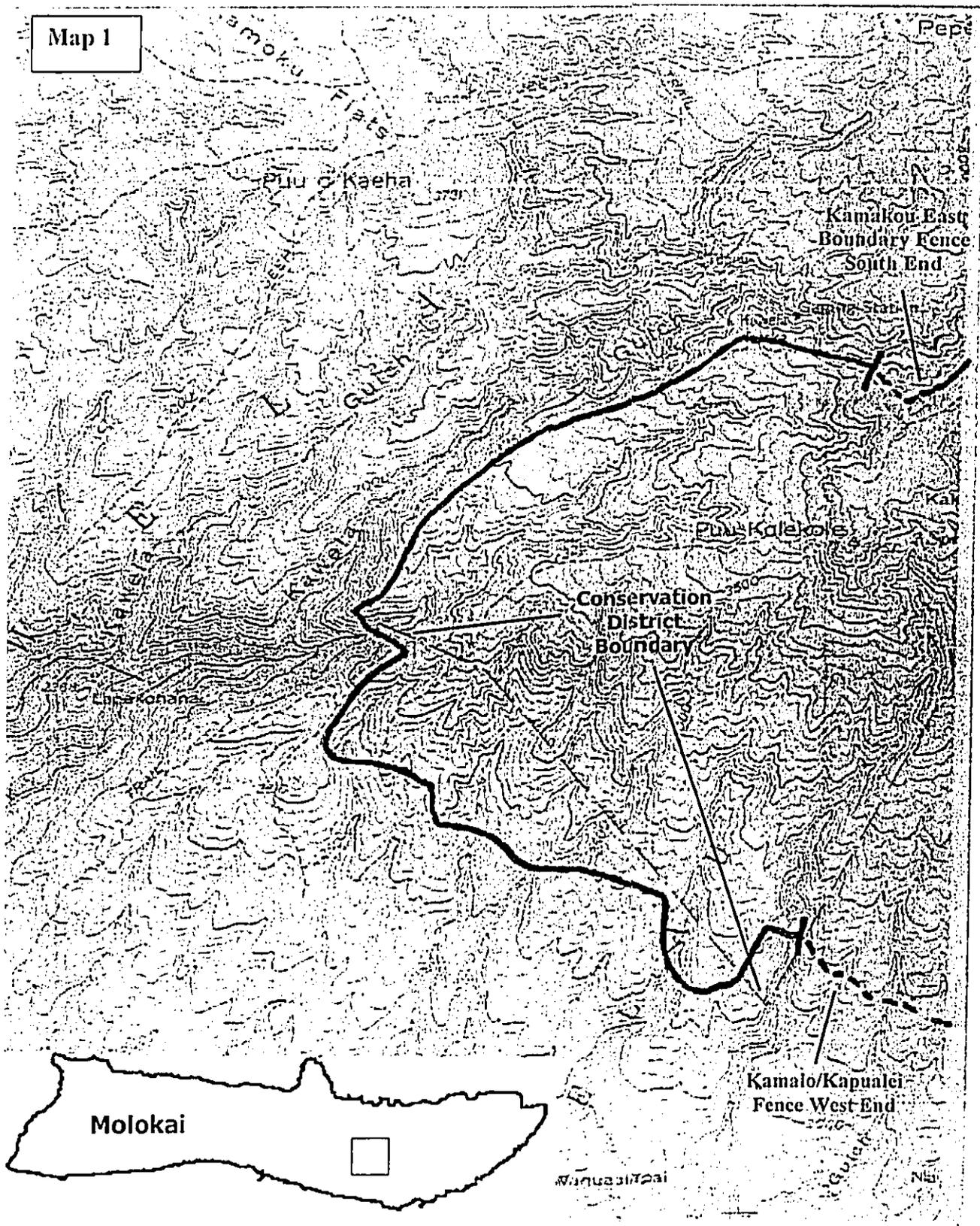
Maui County Department of Water Supply
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Bishop Museum
Hawaii Biological Survey
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Hawaii Audubon Society
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Moloka'i Public Library
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Kaunakakai, HI 96748

Map 1



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Appendix A
Comment Letters Received during Pre-consultation

- US Fish and Wildlife Service, Section 7 Consultation Letter



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pacific Islands Fish and Wildlife Office
300 Ala Moana Boulevard, Room 3-122
Box 50088
Honolulu, Hawaii 96850



In Reply Refer To:
I-2-2004-I-082

DEC 15 2003

Edwin Misaki
The Nature Conservancy of Hawaii
Molokai Preserves Office
P.O. Box 220
Kualapuu, HI 96757

Dear Mr. Misaki:

The purpose of this letter is to inform you that the U.S. Fish and Wildlife Service (Service) is in the process of completing an intra-Service section 7 review pursuant to the Endangered Species Act of 1973, as amended, (50 CFR § 402.16) in regards to your Kawela Plantation fencing project funded by the Hawaii ESA Community Conservation Initiative. This project will include:

- 1) Fencing the upper common areas of the Kawela Plantation to keep the upper shrublands free of feral ungulates;
- 2) Eliminating feral ungulates in the fenced, upper area;
- 3) Reducing the number of goats in the middle zone to a level that will allow for vegetation recovery and continued hunting opportunities;
- 4) Monitoring for vegetation changes in both the upper and middle common area.

These activities should result in vegetation recovery in the upper and middle zones, thus reducing erosion. The goals of this project are to maintain and/or increase the watershed capacity, protect native plants and animals (some of which are threatened or endangered), restore stream flow, and enhance near-shore water quality and coral reef health.

The project is located on the island of Molokai in TMKs 254003028 and 254003001. According to our data, the project area contains nine listed plant species: *Alectryon macrococcus* var *macrococcus*, *Bidens wiebkei*, *Cyanea mannii*, *Exocarpos gaudichaudii*, *Gouania hillebrandii*, *Schiedea lydgatei*, *Schiedea sarmentosa*, *Sesbania tomentosa*, and *Silene alexandri* and designated critical habitat for an additional 13 plant species, *Bidens wiebkei*, *Diellia erecta*, *Eugenia koolauensis*, *Labordia triflora*, *Mariscus fauriei*, *Neraudia sericea*, *Plantago princeps*, *Schiedea lydgatei*, *Schiedea sarmentosa*, *Silene alexandri*, *Silene lanceolata*, *Spermolepis hawaiiensis*, and *Zanthoxylum hawaiiense*. The project area is also home to one listed bird, the Hawaiian coot (*Fulica alai*) and one candidate plant species, *Nothocestrum latifolium*.

Mr. Misaki

2

While there are several endangered plant species, one candidate plant species, one endangered avian species, and critical habitat within the project area, the project impacts are likely to be insignificant. This project will help maintain the health of this area by removing ungulates, which degrade the landscape and spread noxious plant species. We recommend the following measures be taken to reduce the possibility of harm to either an endangered species or its critical habitat:

- 1) Take precautions to ensure that alien plant species are not introduced to or spread in the project area by work crews;
- 2) Have a trained biologist present when scoping the fence line to ensure that any listed species are avoided;
- 3) Avoid removal of large numbers of common native plant species in the area to minimize harm to critical habitat.

If you are able to incorporate these recommended measures into your project, we anticipate that our intra-Service section 7 review would find that the proposed project is not likely to adversely affect any federally listed or proposed species, or proposed or designated critical habitat.

We appreciate your efforts to conserve endangered species. If you have any questions, please contact Michelle Mansker, Fish and Wildlife Botanist (phone: 808/792-9400; fax: 808/792-9580).

Sincerely,



for Gina Shultz
Acting Field Supervisor

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Appendix B

Public Comment Received on Draft EA and Responses

Written comments were received from the following agencies and organizations during the public comment period:

- Hawai'i State House Representative Sol P. Kaho'ohalahala
- State of Hawai'i, Office of Environmental Quality Control
- State of Hawai'i, Department of Land and Natural Resources
- State of Hawai'i, State Historic Preservation Division
- State of Hawai'i, Office of Hawaiian Affairs
- County of Maui, Department of Public Works and Environmental Management
- County of Maui, Department of Planning
- Richard Larson.



HOUSE OF REPRESENTATIVES

STATE OF HAWAII
STATE CAPITOL
HONOLULU, HAWAII 96813

January 17, 2004.

TO: Edwin T. Misaki, Director
Molokai Programs
The Nature Conservancy

FROM: Sol P. Kaho'ohalahala
Representative; District 13 

RE: Comments on DEA

Aloha Edwin. I have reviewed your DEA for East Molokai Watershed Partnership Fence Extension Kawela-Makolelau, December 2003. I am satisfied that you all have addressed the major concerns for this project to protect the native forests, flora and fauna.

Please keep me informed when this will be finalized and any future public hearings that may require testimony for the project. Mahalo nui loa.



923 Nu'uuanu Avenue • Honolulu, HI 96817 • Telephone: 808.537.4508 • Facsimile: 808.545.2019 • Website: nature.org/hawaii

January 28, 2004

The Honorable Sol P. Kaho'ohalahala
State House of Representatives
State Capitol
415 South Beretania Street, Room 405
Honolulu, HI 96813

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence
Extension, Kawela-Makolelau

Dear Representative Kaho'ohalahala:

Thank you for taking the time to review the Draft Environmental Assessment for the East Molokai Watershed Partnership Fence Extension between Kawela and Makolelau. We appreciate your comment that the EA has addressed all major concerns for the project to protect the native forests, flora, and fauna. There will be a public hearing as part of the Conservation District Use permit process, and we acknowledge your request to be kept informed as the project progresses and as public hearings are scheduled. If you have any future questions or concerns about this project, please feel free to contact me at 808-553-5236.

Sincerely,

A handwritten signature in black ink, appearing to read "Edwin T. Misaki".

Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy

BOARD OF TRUSTEES: S. Haunani Apoliona • Peter Baldwin • Zadoc Brown, Jr. • Don Carroll • Carl Carlson, Jr. • Meredith Ching • Robert Clarke • Samuel Cooke
Jean Cornuelle • Walter Dods, Jr. • Peter Ehrman • Kenton Eldridge • Julia Frohlich • Guy Fujimura • J. Stephen Goodfellow • James Haynes • Stanley Hong
Lawrence Johnson • Kenneth Kaneshiro • Bert Kobayashi • Faye Kurren • Patti Lyons • Duncan MacNaughton • Bill Mills • Wayne Minami • Michael Pfeffer
H. Monty Richards • Jean Rolles • James Romig • Hannah Springer • Jeffrey Watanabe

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LINDA LINGLE
GOVERNOR OF HAWAII



GENEVIEVE SALMONSON
DIRECTOR

STATE OF HAWAII
OFFICE OF ENVIRONMENTAL QUALITY CONTROL
235 SOUTH BERETANIA STREET
SUITE 702
HONOLULU, HAWAII 96813
TELEPHONE (808) 586-4185
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E-mail: oeqc@health.state.hi.us

December 23, 2003

Michael Buck
Department of Land and Natural Resources
Division of Forestry & Wildlife
P.O. Box 621
Honolulu, Hawaii 96809

Attention: Christen Mitchell

Dear Mr. Buck:

**Subject: Draft Environmental Assessment (EA)
East Molokai Watershed Partnership Fence Extension**

We have the following comments to offer.

Two-sided pages: In order to reduce bulk and save on paper, please print on both sides of the pages in the final document.

Contacts: In the final EA list those contacted during the pre-consultation phase. If you received any correspondence during this phase include copies in the final document.

If you have any questions, call Nancy Heinrich at 586-4185.

Sincerely,


GENEVIEVE SALMONSON
Director

c: Ed Misaki, The Nature Conservancy



923 Nu'uuanu Avenue • Honolulu, HI 96817 • Telephone: 808.537.4508 • Facsimile: 808.545.2019 • Website: nature.org/hawaii

January 28, 2004

Ms. Genevieve Salmonson, Director
Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, HI 96813

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence
Extension, Kawela-Makolelau

Dear Ms. Salmonson:

Thank you and your staff for taking the time to review the Draft Environmental Assessment for the East Molokai Watershed Partnership Fence Extension between Kawela and Makolelau. We acknowledge your request to print on both sides of the page and to include written correspondence received during the pre-consultation phase. We will do both in preparing the Final Environmental Assessment. If you have any future questions or concerns about this project, please feel free to contact me at 808-553-5236.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Edwin T. Misaki'.

Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy

BOARD OF TRUSTEES: S. Haunani Apoliona • Peter Baldwin • Zadoc Brown, Jr. • Don Carroll • Carl Carlson, Jr. • Meredith Ching • Robert Clarke • Samuel Cooke
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LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

January 26, 2004

PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

DAN DAVIDSON
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

MOLOKAIWATERSHED.RCM
LD-NAV

Mr. Ed Misaki
The Nature Conservancy
P.O. Box 220
Kualapuu, Hawaii 96757

Dear Mr. Misaki:

Subject: Draft Environmental Assessment (DEA)
East Molokai Watershed Partnership Fence Extension
Kawela-Makolelau, Island of Molokai, Hawaii

Thank you for the opportunity to review and comment on the subject matter.

The Department of Land and Natural Resources' (DLNR) Land Division made available or distributed a copy of the DEA pertaining to the subject matter to the following DLNR Divisions for their review and comment:

- Division of Aquatic Resources
- Division of Forestry and Wildlife
- Na Ala Hele Trails
- Division of State Parks
- Engineering Division
- Commission on Water Resource Management
- Office of Conservation and Coastal Lands
- Land-Maui District Land Office

Enclosed please find a copy of the Division Forestry and Wildlife, Na Ala Hele Trails, Engineering Division and Office of Conservation and Coastal Lands comment.

Based on the attached responses, the Department of Land and Natural Resources has no other comment to offer on the subject matter.

If you have any questions, please feel free to contact Nicholas A. Vaccaro of the Land Division Support Services Branch at 1-808-587-0384.

Very truly yours,

DIERDRE S. MAMIYA
Administrator

C: MDLO
DOFAW

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

December 23, 2003

| | | |
|-------------------------|-----------------|---|
| ENVIRONMENTAL RESOURCES | Suspense Date: | PETER T. YOUNG CHAIRPERSON BOARD OF LAND AND NATURAL RESOURCES COMMISSIONER OF WATER RESOURCE MANAGEMENT |
| DESIGN | Dra. Reply | DAN DAVIDSON DEPUTY DIRECTOR - LAND |
| COMPLIANCE | Reply Direct | ERNEST Y.W. LAU DEPUTY DIRECTOR - WATER |
| AG. ENV. | Comments | |
| AG. REG. | Information | |
| STATE PARKS | Comp Act & File | |
| FISH & WILDLIFE | Return | AQUATIC RESOURCES BOATING AND OCEAN RECREATION BUREAU OF CONVEYANCES COMMISSION ON WATER RESOURCE MANAGEMENT CONSERVATION AND COASTAL LANDS CONSERVATION AND RESOURCES ENFORCEMENT |
| EDUCATION | Copies | ENGINEERING FORESTRY AND WILDLIFE HISTORIC PRESERVATION KAHOOLAWE ISLAND RESERVE COMMISSION LAND STATE PARKS |
| SECRET. | Remarks: | |
| OFFICE SY. | | 03-1010 |
| FILED | | |

LD/NAV
Ref.: MOLIKAIWATERSHED.CMT

Suspense Date: 1/13/04

MEMORANDUM:

TO: XXX Division of Aquatic Resources
 XXX Division of Forestry & Wildlife
 XXX Na Ala Hele Trails
 XXX Division of State Parks
 XXX Engineering Division
 Division of Boating and Ocean Recreation
 XXX Commission on Water Resource Management
 XXX Office of Conservation and Coastal Lands
 XXX Land-Maui District Land Office

FROM: Dierdre S. Mamiya, Administrator
 Land Division

SUBJECT: Draft Environmental Assessment (DEA)
 East Molokai Watershed Partnership Fence Extension
 Kawela-Makolelau, Island of Molokai Hawaii
 The Nature Conservancy of Hawaii

RECEIVED
 LAND DIVISION
 2004 JAN 13 4 11:00

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

If you have any question, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

We have no comments.

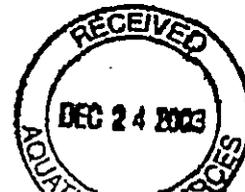
Comments attached.

Signed: Francis Oishi

Date: 1/12/04

Name: Francis Oishi for William Derick

Division: Aquatic Resources



LINDA LINGLE
GOVERNOR OF HAWAII



PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCE
COMMISSION ON WATER RESOURCE MANAGEMENT

DAN DAVIDSON
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER



DIVISION OF
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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

2004 JAN -2 A 10: 23

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEME
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

December 23, 2003

LD/NAV
Ref.: MOLIKAIWATERSHED.CMT

L-3737
Suspense Date: 1/13/04

MEMORANDUM:

TO: XXX Division of Aquatic Resources
XXX Division of Forestry & Wildlife
XXX Na Ala Hele Trails
XXX Division of State Parks
XXX Engineering Division
Division of Boating and Ocean Recreation
XXX Commission on Water Resource Management
XXX Office of Conservation and Coastal Lands
XXX Land-Maui District Land Office

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (DEA)
East Molokai Watershed Partnership Fence Extension
Kawela-Makolelau, Island of Molokai Hawaii
The Nature Conservancy of Hawaii

ADMINISTRATOR
ASST ADMIN
NAV BR
LAND BR
ASST BR
GENERAL
ASST
INTERP BR
CHIEF/POST/STAFF RM
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Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

If you have any question, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

(x) We have no comments.

() Comments attached.

Signed: Daniel S. Quinn

Date: 12/31/03

Name: Daniel S. Quinn

Division: State Parks

RECEIVED
LAND DIVISION
2004 JAN -2 A 10: 24

LINDA LINGLE
GOVERNOR OF HAWAII



PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

DAN DAVIDSON
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER



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2004 JAN -2 A 10: 21

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
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HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

December 23, 2003

LD/NAV
Ref.: MOLIKAIWATERSHED.CMT

L-3737
Suspense Date: 1/13/04

MEMORANDUM:

TO: XXX Division of Aquatic Resources
XXX Division of Forestry & Wildlife
XXX Na Ala Hele Trails
XXX Division of State Parks
XXX Engineering Division
Division of Boating and Ocean Recreation
XXX Commission on Water Resource Management
XXX Office of Conservation and Coastal Lands
XXX Land-Maui District Land Office

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (DEA)
East Molokai Watershed Partnership Fence Extension
Kawela-Makolelau, Island of Molokai Hawaii
The Nature Conservancy of Hawaii

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

If you have any question, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

() We have no comments.

(X) Comments attached.

Signed: Caitlin

Date: 1/2/04

Name: _____

Division: Engineering

DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

LANAI

Ref.: MOLOKAI WATER SHED . CMT

COMMENTS

- () We confirm that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Flood Zone ____.
- X Please take note that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Zone C.
- () Please note that the correct Flood Zone Designation for the project site according to the Flood Insurance Rate Map (FIRM) is ____.
- () Please note that the project must comply with the rules and regulations of the National Flood Insurance Program (NFIP) presented in Title 44 of the Code of Federal Regulations (44CFR), whenever development within a Special Flood Hazard Area is undertaken. If there are any questions, please contact the State NFIP Coordinator, Ms. Carol Tyau-Beam, of the Department of Land and Natural Resources, Engineering Division at (808) 587-0267.

Please be advised that 44CFR indicates the minimum standards set forth by the NFIP. Your Community's local flood ordinance may prove to be more restrictive and thus take precedence over the minimum NFIP standards. If there are questions regarding the local flood ordinances, please contact the applicable County NFIP Coordinators below:

- () Mr. Robert Sumimoto at (808) 523-4254 or Mr. Mario Siu Li at (808) 523-4247 of the City and County of Honolulu, Department of Planning and Permitting.
- () Mr. Kelly Gomes at (808) 961-8327 (Hilo) or Mr. Kiran Emler at (808) 327-3530 (Kona) of the County of Hawaii, Department of Public Works.
- () Mr. Francis Cerizo at (808) 270-7771 of the County of Maui, Department of Planning.
- () Mr. Mario Antonio at (808) 241-6620 of the County of Kauai, Department of Public Works.
- () The applicant should include project water demands and infrastructure required to meet water demands. Please note that the implementation of any State-sponsored projects requiring water service from the Honolulu Board of Water Supply system must first obtain water allocation credits from the Engineering Division before it can receive a building permit and/or water meter.
- () The applicant should provide the water demands and calculations to the Engineering Division so it can be included in the State Water Projects Plan Update.
- () Additional Comments: _____
- () Other: _____

Should you have any questions, please call Mr. Eric Yuasa of the Planning Branch at 587-0254.

Signed: Eric T. Hiranano
ERIC T. HIRANO, CHIEF ENGINEER

Date: 1/2/04

LINDA LINGLE
GOVERNOR OF HAWAII



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LAND DIVISION

MANAGEMENT

DEC 23 2003 PM 1:40

2004 JAN 02 A 10:30
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

December 23, 2003

PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

DAH DAVIDSON
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
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COMMISSION ON WATER RESOURCE MANAGEMENT
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HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

LD/NAV

Ref.: MOLIKAIWATERSHED.CMT

Suspense Date: L-3737
1/13/04

MEMORANDUM:

TO: XXX Division of Aquatic Resources
XXX Division of Forestry & Wildlife
XXX Na Ala Hele Trails
XXX Division of State Parks
XXX Engineering Division
Division of Boating and Ocean Recreation
XXX Commission on Water Resource Management
XXX Office of Conservation and Coastal Lands
XXX Land-Maui District Land Office

FROM: Dierdre S. Mamiya, Administrator *[Signature]*
Land Division

SUBJECT: Draft Environmental Assessment (DEA)
East Molokai Watershed Partnership Fence Extension
Kawela-Makolelau, Island of Molokai Hawaii
The Nature Conservancy of Hawaii

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

If you have any question, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

() We have no comments.

() Comments attached.

Signed: *Jason K. Koga*

Date: 1/5/04

Name: Jason K. Koga

Division: MDLO

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

December 23, 2003

LD/NAV
Ref.: MOLIKAIWATERSHED.CMT

L-3737
Suspense Date: 1/13/04

MEMORANDUM:

TO: XXX Division of Aquatic Resources
XXX Division of Forestry & Wildlife
XXX Na Ala Hele Trails *TORRIE*
XXX Division of State Parks
XXX Engineering Division
Division of Boating and Ocean Recreation
XXX Commission on Water Resource Management
XXX Office of Conservation and Coastal Lands
XXX Land-Maui District Land Office

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (DEA)
East Molokai Watershed Partnership Fence Extension
Kawela-Makolelau, Island of Molokai Hawaii
The Nature Conservancy of Hawaii

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

If you have any question, please contact Mick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

() We have no comments.

(X) Comments attached.

Signed: Torrie Nohara

Date: 01/08/04

Name: Torrie Nohara

Division: DOFAN

*TO: TORRIE
FR: CMT*

PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

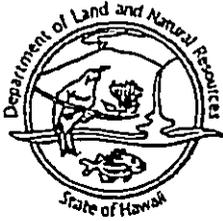
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DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

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LAND
STATE PARKS
WATER RESOURCE MANAGEMENT

January 8, 2004

LD/NAV
Ref: MOLIKAIWATERSHED.CMT

L-3737
Suspense Date: 01/13/04

MEMORANDUM:

TO: Dierdre S. Mamiya, Administrator
Land Division

FROM: Torrie Nohara, NAH Trails and Access Specialist
Forestry and Wildlife Division

SUBJECT: Draft Environmental Assessment (DEA)
East Molokai Watershed Partnership Fence Extension
Kawela-Makolelau, Island of Molokai, Hawaii
The Nature Conservancy of Hawaii

After reviewing the DEA pertaining to the subject matter, the following comments are for submission:

1. The document does not address any possible historical trail accesses that may cross the proposed fence line. If any such accesses are encountered, fence cross over or gates should be incorporated into the fence design.
2. Access to the enclosed land for recreational purposes is not addressed. It is unclear if the fence is to serve as a barrier to recreational users or if access will continue to be encouraged.

If you need more information, please contact our office at (808) 873-3508.

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
OFFICE OF CONSERVATION AND COASTAL LANDS
POST OFFICE BOX 621
HONOLULU, HAWAII 96809

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CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

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DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

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HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

REF.:OCCL:TM

CORRESPONDENCE MO-04-91

MEMORANDUM

TO: Dierdre S. Mamiya, Administrator
Land Division

FROM: Samuel J. Lemmo, Administrator
Office of Conservation and Coastal Lands

DEPT. OF LAND &
NATURAL RESOURCES
STATE OF HAWAII

JAN - 8 2004

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LAND DIVISION

JAN 9 9:11

SUBJECT: Draft Environmental Assessment (DEA), East Molokai Watershed Partnership Fence Extension at Kawela-Makolelau, Island of Molokai, TMK 2-5-4-003: 026 & 001 and TMK 2-5-001:13 & 015

The Office of Conservation and Coastal Lands has received a letter from the Land Division, dated December 23, 2003, regarding the Draft Environmental Assessment (DEA), for the East Molokai Watershed Partnership Fence Extension located at Kawela-Makolelau, on the island of Molokai, TMK 2-5-4-003: 026 & 001 and TMK 2-5-001:13 & 015.

The Department notes departmental records indicate the subject parcels is located in the State Land Use Conservation District, Resource and Protective subzone. The proposed use is an identified land use, pursuant to Section 13-5-22 of the Hawaii Administrative Rules (HAR); P-7, SANCTUARIES; D-1, "Plant and wildlife sanctuaries, natural area reserves and wilderness and scenic areas, including habitat improvements under an approved management plan." Pursuant to Section 13-5-40(a), HAR, a public hearing will be required as the proposed project involves a board permit in the protective subzone.

Should you have any questions, please contact Tiger Mills of our Office of Conservation and Coastal Lands at 587-0382.

GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

December 23, 2003

PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

DAN DAVIDSON
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

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HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
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LD/NAV
Ref.: MOLIKAIWATERSHED.CMT

Suspense Date: 12/30/03

L-3737
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LAND DIVISION
DEC 30 P 5:03

MEMORANDUM:

TO: XXX Division of Aquatic Resources
XXX Division of Forestry & Wildlife
XXX Na Ala Hele Trails
XXX Division of State Parks
XXX Engineering Division
Division of Boating and Ocean Recreation
XXX Commission on Water Resource Management
XXX Office of Conservation and Coastal Lands
XXX Land-Maui District Land Office

FROM: Dierdre S. Mamiya, Administrator
Land Division

SUBJECT: Draft Environmental Assessment (DEA)
East Molokai Watershed Partnership Fence Extension
Kawela-Makolelau, Island of Molokai Hawaii
The Nature Conservancy of Hawaii

Please review the DEA pertaining to the subject matter and submit your comments (if any) on Division letterhead signed and dated by the suspense date.

If you have any question, please contact Nick Vaccaro at ext.: 7-0384. If this office does not receive your comments by the suspense date, we will assume there are no comments.

() We have no comments.

(X) Comments attached.

Signed: [Signature]

Date: DEC 29 2003

Name: MICHAEL G. BUCK, ADMINISTRATOR
DIVISION OF FORESTRY AND WILDLIFE

Division: [Signature]

DOFAW supports the East Molokai Watershed Partnership Fence Extension at Kawela-Makolelau, Island of Molokai, Hawaii. We commend the efforts of The Nature Conservancy of Hawaii in its mission to protect many of Hawaii's prime native forests which are home to the greatest concentration of endangered birds, plants, and animals.



923 Nu'uuanu Avenue • Honolulu, HI 96817 • Telephone: 808.537.4508 • Facsimile: 808.545.2019 • Website: nature.org/hawaii

Ms. Dierdre S. Mamiya
Administrator
Department of Land and Natural Resources
Land Division
1151 Punchbowl Street
Honolulu, HI 96813

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence Extension, Kawela-Makolelau

Dear Ms. Mamiya:

Thank you and your staff for taking the time to distribute the Draft Environmental Assessment for the East Moloka'i Watershed Partnership Fence Extension from Kawela-Makolelau to DLNR divisions. We understand that the following divisions had no comment: Division of Aquatic Resources, Division of State Parks, and Maui District Land Office.

We have the following responses to the comments made by the Office of Conservation and Coastal Lands, the Division of Forestry and Wildlife, the Engineering Division, and the Na Ala Hele Trails and Access Program:

- *The Department notes departmental records indicate the subject parcels is located in the State Land Use Conservation District, Resource and Protective subzone. The proposed use is an identified land use, pursuant to Section 13-5-22 of the Hawaii Administrative Rules (HAR); P-7, SANCTUARIES; D-1, "Plant and wildlife sanctuaries, natural area reserves, and wilderness and scenic areas, including habitat improvements under an approved management plan." Pursuant to Section 13-5-40(a), HAR, a public hearing will be required as the proposed project involves a board permit in the protective subzone. (Office of Conservation and Coastal Lands)*

We acknowledge the comments and will comply with the Conservation District administrative rules.

- *DOFAW supports the East Moloka'i Watershed Partnership Fence Extension at Kawela-Makolelau, Island of Moloka'i, Hawai'i. We commend the efforts of The Nature Conservancy of Hawaii in its mission to protect many of Hawaii's prime native forests which are home to the greatest concentration of endangered birds, plants, and animals.*

BOARD OF TRUSTEES: S. Haunani Apoliona • Peter Baldwin • Zadoc Brown, Jr. • Don Carroll • Carl Carlson, Jr. • Meredith Ching • Robert Clarke • Samuel Cooke
Jean Cornuelle • Walter Dods, Jr. • Peter Ehrman • Kenton Eldridge • Julia Frohlich • Guy Fujimura • J. Stephen Goodfellow • James Haynes • Stanley Hong
Lawrence Johnson • Kenneth Kaneshiro • Bert Kobayashi • Faye Kurren • Patti Lyons • Duncan MacNaughton • Bill Mills • Wayne Minami • Michael Pfeffer
H. Monty Richards • Jean Rolles • James Romig • Hannah Springer • Jeffrey Watanabe

Recycled Paper

We appreciate the continued support of the Division of Forestry and Wildlife in implementing important watershed projects such as the proposed fence extension between Kawela and Makolelau.

- *Please take note that the project site, according to Flood Insurance Rate Map (FIRM), is located in Zone C. (Engineering Division)*

We have amended the Final Environmental Assessment to reflect this information.

- *The document does not address any possible historical trail accesses that may cross the proposed fence line. If any such accesses are encountered, fence cross-over or gates should be incorporated into the fence design. (Na Ala Hele Trails and Access Program)*

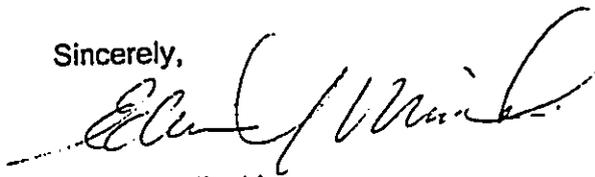
We are not aware of any historical trails within the project area. However, if any historical trail accesses are encountered, we will incorporate fence cross overs or gates into the fencing to ensure continued access.

- *Access to the enclosed land for recreational purposes is not addressed. It is unclear if the fence is to serve as a barrier to recreational users or if access will continue to be encouraged. (Na Ala Hele Trails and Access Program)*

The primary purpose of the proposed fencing is to protect the East Moloka'i Watershed from damage by feral animals. The fencing is not intended to act as a barrier to existing recreational use and will support continued public use as allowed by the private property owners within the project area.

If you have any future questions or concerns about this project, please feel free to contact me at 808-553-5236.

Sincerely,



Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy

cc: Sam Lemmo, Office of Conservation and Coastal Lands
Michael Buck, Division of Forestry and Wildlife
Engineering Division
Torrie Nohara, Na Ala Hele Trails and Access Program

LINDA LINGLE
GOVERNOR OF HAWAII



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

HISTORIC PRESERVATION DIVISION
KAKUHIHEWA BUILDING, ROOM 555
601 KAMOKILA BOULEVARD
KAPOLEI, HAWAII 96707

PETER T. YOUNG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

DAN DAVIDSON
DEPUTY DIRECTOR - LAND

ERNEST Y.W. LAU
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
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COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
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HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION...
LAND
STATE PARKS

January 26, 2004

Mr. Ed Misaki
The Nature Conservancy
PO Box 220
Kualapu'u, Hawaii 96757

LOG NO: 2004.0226
DOC NO: 0401SC13

Dear Mr. Misaki:

SUBJECT: Chapter 6E-42 Historic Preservation Review of a Draft Environmental Assessment (DEA) on the East Molokai Watershed Partnership Fence Extension Kawela-Makolelau Kawela & Makolelau, Kona, Moloka'i [State/DOFAW] TMK: (2)-5-4-003:026, 001; 5-5-001:013 & 015

Thank you for the opportunity to comment on the DEA prepared for the proposed East Molokai Watershed Partnership Fence Extension Kawela-Makolelau. The proposed action will extend the existing Kamalo/Kapualei fence by 3.5 miles, connecting it to the existing Kamakou East Boundary Fence. We received your notification on December 22, 2003, and provide the following comments. Our response is late and we apologize for any inconvenience this may cause you.

We have no record of historic sites on the subject parcels but they do not appear to have undergone an archaeological inventory survey or other kind of inspection. Generally, there are few historic sites, if any, at such elevations, but it is possible that isolated habitation, agricultural, or religious sites are present within the project area. You state that two Moloka'i cultural practitioners assisted your agency in an aerial inspection of the proposed fence corridor, and they saw no historic sites. The DEA indicates that, to the extent possible, the fence lines will be routed along existing game trails and through open or disturbed areas.

In view of these facts, we believe that "no historic properties will be affected" by the proposed extension of the Kamalo-Kapualei fence. Should you have any questions, please contact Sara Collins at 692-8026.

Sincerely,

A handwritten signature in cursive script, appearing to read "P. Holly McEldowney".

P. Holly McEldowney, Administrator
State Historic Preservation Division

SC:jen

c: Michael Foley, Director, Dept of Planning, 250 South High Street, Wailuku, HI 96793
Cultural Resources Commission, Planning Dept, 250 S. High Street, Wailuku, HI 96793
Malia Akutagawa, Chair, Moloka'i Plng Commission, PO Box 1715, Kaunakakai, HI 96748
Office of Environmental Quality Control, 235 S. Beretania St, Ste 702, Honolulu, HI 96813
Division of Forestry & Wildlife, DLNR, 1151 Punchbowl St, Room 325, Honolulu, HI 96813



923 Nu'uauu Avenue • Honolulu, HI 96817 • Telephone: 808.537.4508 • Facsimile: 808.545.2019 • Website: nature.org/hawaii

Ms. P. Holly McEldowney, Administrator
State Historic Preservation Division
Department of Land and Natural Resources
Kukuihewa Building, Room 555
601 Kamokila Boulevard
Kapolei, HI 96707

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence
Extension, Kawela-Makolelau

Dear Ms. McEldowney:

Thank you and your staff for taking the time to review the Draft Environmental
Assessment for the East Moloka'i Watershed Partnership Fence Extension from Kawela-
Makolelau.

We appreciate the Division's finding that "no historic properties will be affected" by the
proposed extension. If you have any future questions or concerns about this project,
please feel free to contact me at 808-553-5236.

Sincerely,

A handwritten signature in black ink, appearing to read "Edwin T. Misaki".

Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy



STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS
711 KAPI'OLANI BOULEVARD, SUITE 500
HONOLULU, HAWAII 96813

NRCD 04-1238

January 20, 2004

Mr. Ed Misaki
The Nature Conservancy
P. O. Box 220
Kualapuu, Hawaii 96757

Dear Mr. Misaki:

**Subject: Draft Environmental Assessment
East Molokai Watershed Partnership Fence Extension
Kawela/Mokolelau, Molokai, Hawaii
Kamakou Preserve TMK 2-5-4-003:026
Kawela TMK 2-5-4-003:001
Makolelau TMK 2-5-5-001:013 and 2-5-5-001:015**

Thank you for the opportunity to review and comment on the above referenced request. The Office of Hawaiian Affairs understands that the East Molokai Watershed Partnership Fence Extension is to maintain and increase the watershed capacity and protect coastal flood plains, fishponds, and near-shore reefs from run-off and sedimentation. No historical sites were noted but if discovered during the construction phase, all work will cease and all appropriate parties will be consulted.

As stated on page 3, *Public Access*, the proposed fence might impede access in the area for recreational activities, such as hunting and hiking. The Office of Hawaiian Affairs would like to recommends that the partnership consult with local hunters about access and use concerns, before any determination is made.

Should you have any questions, please feel free to contact Pomaialoha Cox at 594-1970 or by email at pomaialohac@oha.org.

'O wau iho nō,

A handwritten signature in black ink, appearing to read "Clyde W. Nāmu'o".

Clyde W. Nāmu'o
Administrator

cc: Office of Environmental Quality Control
Department of Land and Natural Resources, Division of Forestry and Wildlife



923 Nu'uuanu Avenue • Honolulu, HI 96817 • Telephone: 808.537.4508 • Facsimile: 808.545.2019 • Website: nature.org/hawaii

January 28, 2004

Mr. Clyde Namuo, Administrator
Office of Hawaiian Affairs
711 Kapiolani Boulevard, Suite 500
Honolulu, HI 96813

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence Extension, Kawela-Makolelau

Dear Mr. Namuo:

Thank you and your staff for taking the time to review the Draft Environmental Assessment for the East Molokai Watershed Partnership Fence Extension between Kawela and Makolelau. We acknowledge your recommendation that the East Molokai Watershed Partnership consult with local hunters about access and use concerns before final determinations are made. The East Molokai Watershed Partnership has worked and will continue to work closely with the hunting community to ensure that the proposed protective fencing will not unreasonably limit access into the fenced area. If you have any future questions or concerns about this project, please feel free to contact me at 808-553-5236.

Sincerely,

A handwritten signature in black ink, appearing to read "Edwin T. Misaki".

Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy

BOARD OF TRUSTEES: S. Haunani Apoliona • Peter Baldwin • Zadoc Brown, Jr. • Don Carroll • Carl Carlson, Jr. • Meredith Ching • Robert Clarke • Samuel Cooke
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ALAN M. ARAKAWA
Mayor

GILBERT S. COLOMA-AGARAN
Director

MILTON M. ARAKAWA, A.I.C.P.
Deputy Director



COUNTY OF MAUI
DEPARTMENT OF PUBLIC WORKS
AND ENVIRONMENTAL MANAGEMENT
DEVELOPMENT SERVICES ADMINISTRATION
250 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793

RALPH M. NAGAMINE, L.S., P.E.
Development Services Administration

TRACY TAKAMINE, P.E.
Wastewater Reclamation Division

LLOYD P.C.W. LEE, P.E.
Engineering Division

BRIAN HASHIRO, P.E.
Highways Division

JOHN D. HARDER
Solid Waste Division

January 15, 2004

Edwin T. Misaki, Director of Molokai Programs
The Nature Conservancy
P.O. Box 220
Kualapuu, HI 96757

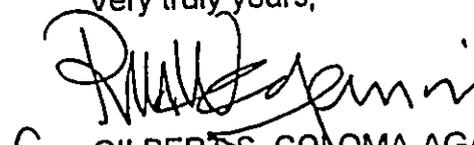
**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT
EAST MOLOKAI WATERSHED PARTNERSHIP FENCE EXTENSION
TMK: (2) 5-4-003:001,026; 5-5-001:013,015**

Dear Mr. Misaki:

We reviewed the subject application and have no comments at this time.

If you have any questions regarding this memorandum, please call Milton Arakawa at 270-7845.

Very truly yours,


GILBERT S. COLOMA-AGARAN
Director of Public Works
And Environmental Management



923 Nu'uuanu Avenue • Honolulu, HI 96817 • Telephone: 808.537.4508 • Facsimile: 808.545.2019 • Website: nature.org/hawaii

January 28, 2004

Mr. Gilbert Coloma-Agaran, Director
County of Maui
Department of Public Works and Environmental Management
250 South High Street
Wailuku, HI 96793

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence
Extension, Kawela-Makolelau

Dear Mr. Coloma-Agaran:

Thank you and your staff for taking the time to review the Draft Environmental Assessment for the East Molokai Watershed Partnership Fence Extension between Kawela and Makolelau. We understand that you have no comments at this time. If you have any future questions or concerns about this project, please feel free to contact me at 808-553-5236.

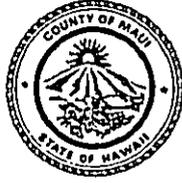
Sincerely,

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Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy

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ALAN M. ARAKAWA
Mayor
MICHAEL W. FOLEY
Director
WAYNE A. BOTEILHO
Deputy Director



COUNTY OF MAUI
DEPARTMENT OF PLANNING

February 2, 2004

Mr. Ed Misaki
The Nature Conservancy
P. O. Box 220
Kualapuu, Hawaii 96757

Dear Mr. Misaki:

RE: Comments on the Draft Environmental Assessment (DEA) for the East Moloka'i Watershed Partnership Fence Extension, Kawela-Makolelau, located at Tax Map Key: 5-4-003: 001 and 026 and 5-5-001: 013 and 015, District and Island of Moloka'i, Hawaii (LTR 20035110)

The Maui Planning Department (Department) received your request for the above referenced project on December 22, 2004, and further notes that the deadline for comments was January 22, 2004. Although the deadline has since passed, please consider the following comments in the preparation of the Final EA document:

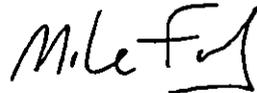
- Illustrate the public access points (gates), trails, dirt roadways, and helicopter landing zones on the attached maps.
- Discuss the maintenance plan for the proposed fence lines once construction is completed.
- Provide construction drawings and/or plans illustrating the specifications for the project.
- Discuss the proposed project's relation and compliance with the Maui County General Plan and Molokai Community Plan.

Mr. Ed Misaki
February 2, 2004
Page 2

- Please note that per Section 11-200-9, HAR, a proposing agency shall seek, at the earliest practicable time, the advice and input of the county agency responsible for implementing the county's general plan (Maui Planning Department), as well as, consult with other agencies having jurisdiction or expertise, citizen groups and individuals. As such, the Maui Planning Department requests the opportunity to advise prior to the preparation of the Draft EA for future projects.

Thank you for your consideration. Should you need additional clarification, please contact Ms. Kivette A. Caigoy, Environmental Planner, of this office at 270-7735.

Sincerely,



MICHAEL W. FOLEY
Planning Director

MWF:KAC:tkb

c: Wayne A. Boteilho, Deputy Planning Director
Clayton Yoshida, AICP, Planning Program Administrator
Kivette A. Caigoy, Staff Planner
OEQC
DLNR, Division of Forestry and Wildlife
Project File
General File
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STATE OF HAWAII
FORESTRY & WILDLIFE

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CORRECTION

THE PRECEDING DOCUMENT(S) HAS
BEEN REPHOTOGRAPHED TO ASSURE
LEGIBILITY
SEE FRAME(S)
IMMEDIATELY FOLLOWING



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January 28, 2004

Mr. Clyde Namuo, Administrator
Office of Hawaiian Affairs
711 Kapiolani Boulevard, Suite 500
Honolulu, HI 96813

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence
Extension, Kawela-Makolelau

Dear Mr. Namuo:

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Sincerely,

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Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy

ALAN M. ARAKAWA
Mayor

GILBERT S. COLOMA-AGARAN
Director

MILTON M. ARAKAWA, A.I.C.P.
Deputy Director



COUNTY OF MAUI
DEPARTMENT OF PUBLIC WORKS
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Highways Division

JOHN D. HARDER
Solid Waste Division

January 15, 2004

Edwin T. Misaki, Director of Molokai Programs
The Nature Conservancy
P.O. Box 220
Kualapuu, HI 96757

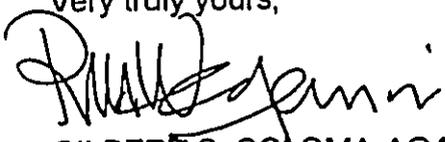
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TMK: (2) 5-4-003:001,026; 5-5-001:013,015**

Dear Mr. Misaki:

We reviewed the subject application and have no comments at this time.

If you have any questions regarding this memorandum, please call Milton Arakawa at 270-7845.

Very truly yours,


GILBERT S. COLOMA-AGARAN
Director of Public Works
And Environmental Management

JLH
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January 28, 2004

Mr. Gilbert Coloma-Agaran, Director
County of Maui
Department of Public Works and Environmental Management
250 South High Street
Wailuku, HI 96793

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence
Extension, Kawela-Makolelau

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Director of Molokai Programs
The Nature Conservancy

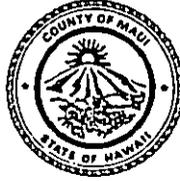
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ALAN M. ARAKAWA
Mayor

MICHAEL W. FOLEY
Director

WAYNE A. BOTEILHO
Deputy Director



COUNTY OF MAUI
DEPARTMENT OF PLANNING

February 2, 2004

Mr. Ed Misaki
The Nature Conservancy
P. O. Box 220
Kualapuu, Hawaii 96757

Dear Mr. Misaki:

RE: Comments on the Draft Environmental Assessment (DEA) for the East Moloka'i Watershed Partnership Fence Extension, Kawela-Makolelau, located at Tax Map Key: 5-4-003: 001 and 026 and 5-5-001: 013 and 015, District and Island of Moloka'i, Hawaii (LTR 20035110)

The Maui Planning Department (Department) received your request for the above referenced project on December 22, 2004, and further notes that the deadline for comments was January 22, 2004. Although the deadline has since passed, please consider the following comments in the preparation of the Final EA document:

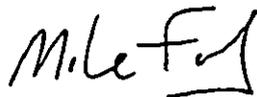
- Illustrate the public access points (gates), trails, dirt roadways, and helicopter landing zones on the attached maps.
- Discuss the maintenance plan for the proposed fence lines once construction is completed.
- Provide construction drawings and/or plans illustrating the specifications for the project.
- Discuss the proposed project's relation and compliance with the Maui County General Plan and Molokai Community Plan.

Mr. Ed Misaki
February 2, 2004
Page 2

- Please note that per Section 11-200-9, HAR, a proposing agency shall seek, at the earliest practicable time, the advice and input of the county agency responsible for implementing the county's general plan (Maui Planning Department), as well as, consult with other agencies having jurisdiction or expertise, citizen groups and individuals. As such, the Maui Planning Department requests the opportunity to advise prior to the preparation of the Draft EA for future projects.

Thank you for your consideration. Should you need additional clarification, please contact Ms. Kivette A. Caigoy, Environmental Planner, of this office at 270-7735.

Sincerely,



MICHAEL W. FOLEY
Planning Director

MWF:KAC:tkb

c: Wayne A. Boteilho, Deputy Planning Director
Clayton Yoshida, AICP, Planning Program Administrator
Kivette A. Caigoy, Staff Planner
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DLNR, Division of Forestry and Wildlife
Project File
General File
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Mr. Michael Foley, Director
Maui County Department of Planning
250 South High Street
Wailuku, HI 96793

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence
Extension, Kawela-Makolelau

Dear Mr. Foley:

Thank you and your staff for taking the time to review the Draft Environmental
Assessment for the East Moloka'i Watershed Partnership Fence Extension from Kawela-
Makolelau.

- *Illustrate the public access points (gates), trails, dirt roadways, and helicopter landing zones on the attached maps*

Public access points are not illustrated as these are private lands. Access to the land by dirt roads, trails or helicopter is granted by permission from the private landowners.

- *Discuss the maintenance plan for the proposed fence lines once construction is complete.*

The Nature Conservancy staff will conduct on the ground and visual inspection of the fence line on a regular basis. Scheduling of such inspection will be coordinated with the partner landowners that have the fence on their land. Staff will be transported by four-wheeled drive vehicles or helicopter, depending on the maintenance/repair location.

- *Provide construction drawings and/or plans illustrating the specifications for each portion of the project as described on pages 8 and 9.*

Standard 47" Hogwire mesh with two strands barb wire on the top and one strand barb wire on the ground.



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Jean Cornuelle • Walter Dods, Jr. • Peter Ehemann • Kenton Eldridge • Julia Frohlich • Guy Fujimura
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- *Discuss the proposed project's relation and compliance with the Maui County General Plan and Molokai Community Plan.*

The proposed construction of ungulate-proof fencing is consistent with the Maui County General Plan (1990), specifically Environment Objective 1 "to preserve and protect the county's unique and fragile environmental resources" and the related policies to "(a) preserve for present and future generation the opportunity to experience the natural beauty of the islands; (b) preserve scenic vistas and natural features; (c) support programs to reduce air, land and water pollution; (d) support programs to protect rare and endangered species and programs which will enhance their habitat, and (e) discourage the introduction of noxious foreign species into Maui County's unique island ecosystems." The proposed project is also consistent with the Moloka'i Community Plan (2001) goal to "preserve, protect and manage Moloka'i's exceptional natural land and water resources to ensure that future generations may continue to enjoy and protect the island environment," and the following related objective/policy to "protect and encourage the restoration of native habitats through government and private conservation, land management and educational programs." We have amended the Final EA to reflect the project's consistency with these plans.

- *Please note that per Section 11-200-9, HAR, a proposing agency shall seek, at the earliest practicable time, the advice and input of the county agency responsible for implementing the county's general plan (Maui Planning Department), as well as, consult with other agencies having jurisdiction or expertise, citizen groups and individuals. As such, the Maui Planning Department requests the opportunity to advise prior to the preparation of the Draft EA for future projects.*

The Nature Conservancy apologizes for not having been in direct contact with the County of Maui Planning Department earlier about the proposed fencing by the East Moloka'i Watershed Partnership. Pre-consultation with other agencies and organizations occurred on an informal basis prior to the preparation of the Draft EA. The Nature Conservancy will work with the County of Maui Planning Department prior to the preparation of a Draft EA for future projects.

If you have any future questions or concerns about this project, please feel free to contact me at 808-553-5236.

Sincerely,



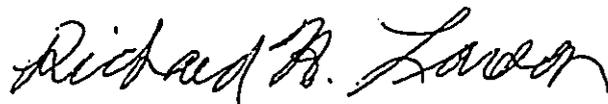
Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy

The Nature Conservancy
Molokai Office
P.O. Box 220
Kualapu'u, Molokai, HI 96757

Aloha,

Re your article in the Maui News on Dec. 25, 2003, Please build that fence through upper east Kawela and Makolelau ahupuaa. We don't need browsing goats chewing up native plants and wrecking the shrub lands. Give the goats to the homeless or some charitable organization for distribution to people who need them more than Molokai. I contribute to The Nature Conservancy every year. Keep up the good work.

Mahalo nui loa,



Richard H. Larson
760 S. Kihei Rd. #515
Kihei, HI 96753



923 Nu'uuanu Avenue • Honolulu, HI 96817 • Telephone: 808.537.4508 • Facsimile: 808.545.2019 • Website: nature.org/hawaii
January 28, 2004

Mr. Richard Larson
760 South Kihei Road #515
Kihei, HI 96753

Re: Draft Environmental Assessment, East Molokai Watershed Partnership Fence
Extension, Kawela-Makolelau

Dear Mr. Larson:

Thank you for your letter in support of the East Molokai Watershed Partnership Fence Extension between Kawela and Makolelau and your recognition of the need to stop the damage caused by goats. In response to your suggestion that we give the goats to the homeless or a charitable organization, we will endeavor to retrieve the goats removed from the fenced area whenever feasible and safe to do so. Finally, we appreciate your continued support of The Nature Conservancy and our conservation work on Molokai and throughout the State. If you have any future questions or concerns about this project, please feel free to contact me at 808-553-5236.

Sincerely,

A handwritten signature in black ink, appearing to read "Edwin T. Misaki".

Edwin T. Misaki
Director of Molokai Programs
The Nature Conservancy