

**ADDENDUM NO. 1, AINA MAUNA FERAL CATTLE REMOVAL PROJECT,
PIIHONUA SECTION SOLICITATION**

October 31, 2018

The following are changes to the License Area for Aina Mauna Feral Cattle Removal Project, Piihonua Section and responses to questions received by phone and email up to Wednesday, October 31, 2018 and from the Aina Mauna Feral Cattle License site visit tour on Wednesday, October 24, 2018:

Changes to Aina Mauna Feral Cattle Removal Project, Piihonua Section License Area:

There are currently two open solicitations for feral cattle removal licenses on DHHL Aina Mauna Lands; Aina Mauna Feral Cattle Removal Project, Humuula Section, and Aina Mauna Feral Cattle Removal Project, Piihonua Section. In the Solicitations for license released on October 10, 2018 the stated boundary between these two adjacent license areas were the TMK parcel boundaries. The Humuula Section project area was contained within TMK (3) 3-8-001:002, and a portion of TMK (3) 3-8-001:007. The Piihonua Section project area was limited to a portion of TMK (3) 3-26-018:002.

After further consideration and based on feedback from potential licensees at the October 24th site visit, the license area for the Aina Mauna Feral Cattle Removal Project, Piihonua Section will be revised. The reason for this revision is to ensure that both license areas have unobstructed access via Mana/Keanakolu Road and to reduce potential conflicts between licensees regarding access and security, road maintenance, cattle encountered in easement areas and other potential conflicts that may arise during the license periods.

The revised mauka boundary of the Piihonua Section license area will be the centerline of Mana/Keanakolu Road from Southern extent of the license area at Puu Oo to the northern boundary of TMK (3) 3-26-018:002. Approximately 1480 acres from TMKs (3) 3-8-001:007, :002 will be removed from the Humuula Section license area and be added to the Piihonua Section license area.

The following revisions to Aina Mauna Feral Cattle Removal Project, Piihonua Section license area will be executed through this addendum:

- 1. The cover page of the Solicitation for Aina Mauna Feral Cattle Removal Project Piihonua Section only identifies TMK (3) 3-026-018:002. Portions of TMKs (3) 3-8-001:002, (3) 3-8-001:007 will also be included in this solicitation for sealed applications for land license.**
- 2. Section 2.1 Overview, History and Location will be replaced by the following revised license area description:**

2.1a OVERVIEW, HISTORY AND LOCATION

The State of Hawaii, through its Department of Hawaiian Home Lands, is responsible for the management of an extensive land trust consisting of over 200,000 acres of Hawaiian home lands on the islands of Kauai, Oahu, Maui, Molokai, Lanai and Hawaii.

In 2009 The Aina Mauna Legacy Program was approved by the Hawaiian Homes Commission for the management of over 56,000 acres of DHHL lands on the Northeast Slopes of Mauna Kea and

Mauna Loa, in the ahupuaa of Humuula and Upper Piihonua. A major component of long term legacy program is the permanent restoration of the native koa and ohia forests and habitats which once dominated this landscape. Feral cattle have and continue to be a major contributor to native forest decline in the project area and their removal has been specifically identified as a priority action of the Aina Mauna Legacy Program.

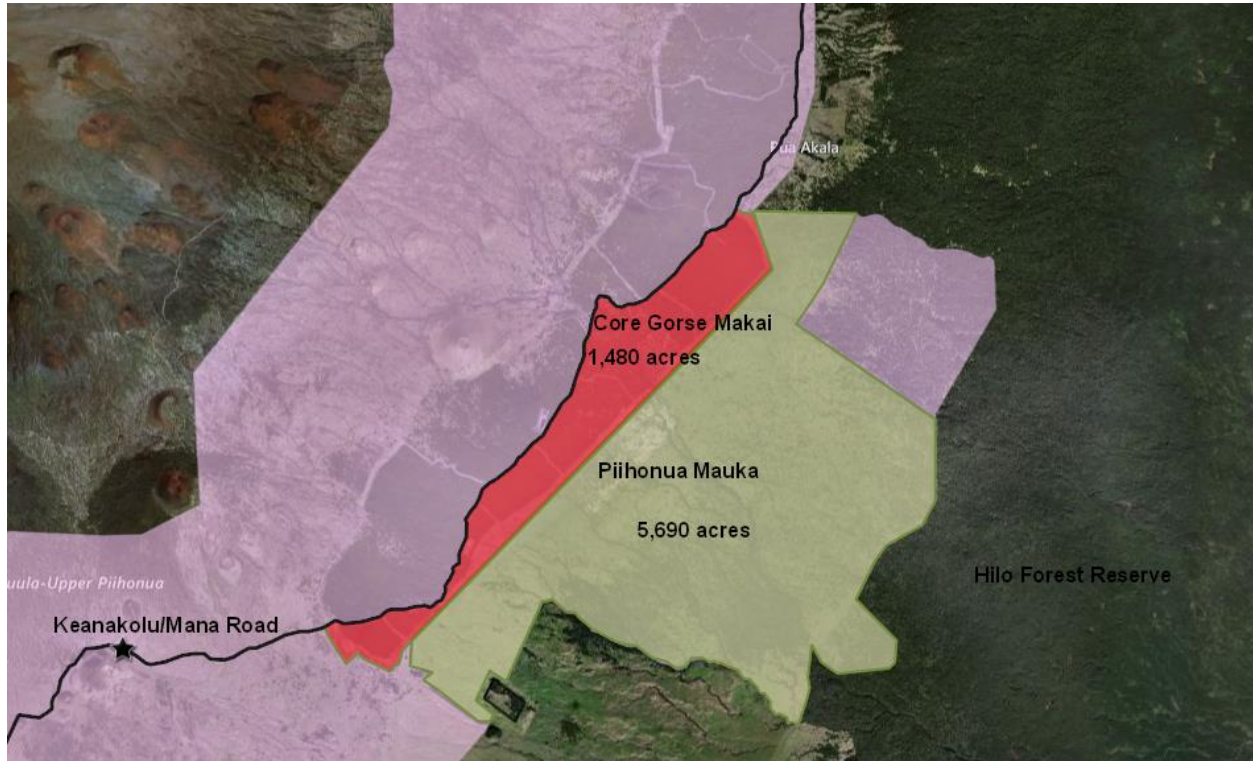
The cattle removal license area is accessed from Keanakolu/Mana Road on the northeast flank of Mauna Kea on DHHL lands and is located makai of Keanakolu/Mana Road from Puu O'o and Waiama Gulch to the south and Waipahoehoe and Nukupahu Gulches to the north on the island of Hawaii. License area is accessed from Keanakolu/Mana Road through existing four-wheel drive former ranch roads. Elevations range from 4,680 to 6,600 feet above sea level and the project area totals approximately 7,170 acres. The Tax Map Key numbers for this license area are (3) 3-026-018:02, 3-8-001:007, :002. Exhibits B-1 and B- 2a indicate the project's location. DHHL reserves the right to remove portions of the feral cattle license project area as they are cleared of cattle, for other land use dispositions, to conduct resource management objectives, or to implement other feral cattle removal strategies to supplement and expedite feral cattle removal.

The license area consists of a wide variety of habitats and vegetation, from steep, rocky land to more gentle slopes; from thick, impenetrable gorse to open koa/ohia forest and open grasslands. Since 2011, over 4,000 cattle have been removed across the DHHL Aina Mauna Lands through a feral cattle removal License 750. Despite considerable effort, removing sufficient amounts of cattle yearly to successfully and permanently remove feral cattle from the project area has not been achieved. 2018 Feral ungulate surveys of the project area identify that approximately 1275 cattle remain in the project area and are targeted be removed by the selected vendor of this Solicitation for license process.

Feral cattle in the project area decimate remaining koa and ohia forests and prevent natural regeneration and reforestation efforts. Loss of native forests cover leads to increased soil erosion, loss of habitat, and decreased watershed function. Feral cattle contribute to the spreading noxious weeds such as gorse and makes forests susceptible to diseases such as *Ceratocystis* fungus (Rapid Ohia Death). Safe access for humans has declined as wild bulls delineate their territory and aggressively defend it. Valuable infrastructure such as fences and roads have deteriorated as the cattle break fences, dig soil pits, and deepen paths along exiting roadways.

3. Exhibit B-2 –Feral Cattle Removal License Area, Piihonua Section will be revised and replaced with Exhibit B-2a, Revised Feral Cattle Removal License Area, Piihonua Section:

EXHIBIT B-2a – Revised Aina Mauna Feral Cattle Removal Project License Area, Piihonua Section (Green, Red) on DHHL Aina Mauna Lands (Pink)



Questions and Answers

The following are responses to questions received by phone or email up to October 29, 2018 and from the Aina Mauna site visit on Wednesday October 24, 2018.

- 1. Will Selected Licensees be responsible for enforcing trespassing and other violations within feral cattle removal license areas?**

No; Ultimately DHHL is responsible for reporting violations on DHHL lands and coordinating with appropriate enforcement agencies to enforce violations. DHHL will work with Licensees to address concerns and coordinate enforcement actions if necessary.

- 2. Will information regarding feral cattle populations and locations be shared with the Licensee?**

Yes; Population estimates based on 2018 surveys for each license area are provided in Addendum#1 of both Feral Cattle Removal License Solicitations. Further specific pertinent information may be shared with selected Licensee(s) after they have been issued a land license for feral cattle removal.

- 3. Will the use of heavy machinery be allowed for cattle removal operations and for the maintenance of access roads?**

Heavy machinery use may be allowed, subject to terms and conditions of land license and in compliance with applicable laws and DHHL best management practices that will mitigate for soil disturbance and erosion, invasive species transport, and impacts to natural and cultural resources.

- 4. Are there alternative access roads to Piihonua Section License Area besides Mana/Keanakolu Road?**

Yes; There is an unpaved access road from Saddle Road to the South East corner of the Piihonua Section license area.

However, this unpaved road is not on DHHL lands and comes under Hawaii Island DLNR DOFAW jurisdiction. Access through this unpaved road is subject the sole discretion DLNR DOFAW who may choose not to allow access to this road for feral cattle removal Licensees.

- 5. What is the proper way to dispose of carcasses of sick or dangerous cattle in license areas?**

Sick or dangerous animal carcasses may be disposed of on site in accordance with HAR Title 11-58.1-61 and under the terms and conditions of issued land license.

- 6. Will the boundary between the Humuula Section and Piihonua Section license areas be revised as discussed on the October 24th site visit to allow both potential Licensees unobstructed access to license areas via Mana/Keanakolu Road?**

Yes; After further consideration and after consulting potential Licensees at the October 24th site visit, the boundary between the two cattle license areas will be revised by this addendum to allow unobstructed access to each license area via Mana/Keanakolu Road to avoid potential conflicts between Licensees. A map and details regarding this boundary and license area revision are provided in this addendum.