

November 26, 2005

Via Email

Company Information: Hui Ku Maoli Ola
44-888 Kakaina Street
Waimanalo, HI 96795
Chief Surveyer: Matthew Schirman

Reference Contract No: FA5212-04-M-7053
Contract Name: Remedial Investigation at Bellows Hardfill (LF 23) – Project
No. BMFV20047741

The site survey and investigation was performed on June 20, 2005. Species, flora and fauna, of biological concern and/or importance were not detected on the site proper. The site is dominated by a monotypic stand of Koa Haole (*Leucaena leucocephala*), which is considered to be a highly invasive species. Other species included Red Mangrove (*Rhizophora mangle*), Ironwood (*Casuarina equisetifolia*), and Christmas Berry (*Schinus terebinthifolius*.)

The lower shrub and herbal species were sparse but included the only two native species; neither of which are regarded as a species of concern, in fact, both are rather common. The two are 'Ili'e'e (*Plumbago zeylanica*) and 'Ae'ae (*Bacopa monnieri*) both of which are classified as indigenous plants. Other invasive species noted were Chinese violet (*Asystasia gangetica*) and Guinea grass (*Panicum maximum*.)

Just outside of the project site several native bird species were noted. 'Alae'ula (*Gallinula chloropus sandvicensis*), and the Hawaiian stilt 'Ae'o (*Himantopus mexicanus knudseni*) are both endangered wet land species of Hawaii that were seen beyond the project premises. Other more common migratory birds were noted in the estuary area.

It is my opinion that no follow up survey will be required resulting from the lack of significant species. The site holds no species of concern and is highly dominated by invasive species.