

## New Plant Records from Pu‘u Kukui Watershed and Adjacent Areas, Maui

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The following are new plant records based on recent collecting activity by us in the Maui Pineapple Co. /Pu‘u Kukui Watershed and adjacent areas.

### Phytolaccaceae

#### *Rivina humilis* L.

#### New island record

Wagner *et al.* (1990:1017) documents the naturalized range of this taxon as being Kaua‘i, O‘ahu and Hawai‘i Islands. A significant population of hundreds of plants was located in Honokowai Valley, West Maui, at 146m ASL. The known distribution of this population precludes any reasonable possibility of deliberate cultivation in this area, indicating that this taxa has become naturalized on Maui.

*Material examined.* MAUI: Lahaina District -West Maui, Honokowai Valley, 146 m, in alien dominated lowland riparian zone, 15 May 1996, *Meidell & Oppenheimer 112* (BISH).

### Asteraceae

#### *Coreopsis lanceolata* L.

#### New island record

Wagner *et al.* (1990:289) document the naturalized range of this taxa as Lana‘i and Hawai‘i Islands. A collection was obtained along the roadside at the Honokowai Ditch Trail head, 464m ASL, West Maui. Specimens were ubiquitous among alien vegetation supplanting the natural components of Lowland Mesic Shrubland. The distribution of this population precludes any reasonable possibility of deliberate cultivation in this area, indicating that this taxa has become naturalized on Maui.

*Material examined.* MAUI: Lahaina District, West Maui, 464 m, South rim of Honokowai Valley, 29 July 1996, *Meidell & Oppenheimer 124* (BISH).

### Myricaceae

#### *Myrica cerifera* L.

#### New state record

Wagner *et al.* (1990:929) document *Myrica faya* as the only naturalized member of Myricaceae in Hawai‘i. *Myrica cerifera* was introduced to West Maui by David T. Fleming in December 1932 as a component of the Maunalei Arboretum project. Recent surveys indicate the proliferation of this taxon well beyond the original planting site. Current estimates put the naturalized population of *M. cerifera* at 200+ individuals in an area between Honolua and Honokahua Valleys, 395–490 m. Range and population data are likely to be revised as additional surveys are expected to reveal more plants. In light of current problems encountered with *M. faya* at Hawai‘i Volcanoes National Park and elsewhere, this taxon will be monitored very closely. Aggressive eradication efforts are under way by Maui Pineapple Co. / Pu‘u Kukui Watershed staff.

*Material examined.* MAUI: Lahaina District - West Maui, 427 m, near original planting site within Maunalei Arboretum, 31 October 1996, *Meidell & Oppenheimer 127* (BISH).

**Lauraceae*****Cinnamomum burmannii*** Blume**New island record**

Wagner *et al.* (1990:846) document the naturalized range as O‘ahu. Introduced to northern West Maui c. 1920–1935, *C. burmannii* has become extensively naturalized in the area between Honokohau and Honokahua Valleys, 245m–610 m, and is viewed by Pu‘u Kukui Watershed Management staff as a serious pest. The number of individuals is estimated to be in the thousands, with current eradication efforts focused on satellite populations.

*Material examined.* MAUI: Lahaina District - West Maui, 396 m, ridge between Honolua and Honokahua Valleys, 20 October 1996, *Meidell & Oppenheimer 128* (BISH).

**Literature Cited**

**Wagner, W.L., D.R. Herbst & S.H. Sohmer.** 1990. *Manual of the flowering plants of Hawai‘i*. 2 vols. University of Hawaii Press & Bishop Museum Press, Honolulu.

**New Hawaiian Plant Records for 1996**

HERBARIUM PACIFICUM STAFF (Hawaii Biological Survey, Bishop Museum, 1525 Bernice St., Honolulu, HI 96817, USA).

These previously unpublished Hawaiian plant records include 2 new island records to supplement information published in Wagner *et al.* (1990) and in *Records of the Hawaii Biological Survey* for 1994 (Evenhuis & Miller, 1995) and 1995 (Evenhuis & Miller, 1996). Recent voucher specimen identifications provided 2 new records, reported here. All supporting voucher specimens are on deposit at BISH.

**Cuscutaceae*****Cuscuta sandwichiana*** Choisy**New island record**

This endemic species was previously known from all the main islands except Kauai and Kahoolawe (Wagner *et al.* 1990: 583). The following voucher represents a new island record for Kaua‘i.

*Material examined.* KAUAI: Waimea District, Kekaha, along Hwy. 50 fronting the beach, coastal strand vegetation, June 1989, *Koske & Gemma s.n.* (BISH sheet 641436).

**Poaceae*****Bothriochloa bladhii*** (Retz.) S. T. Blake**New island record**

This species was mentioned in passing in the Wagner *et al.* (1990: 1502) as a taxon needing further study; its known distribution at that time was from Moloka‘i and the island of Hawaii. This collection is the first record from Maui.

*Material examined.* MAUI: East Maui, south side of Kahului Airport, on roadside, 1 Dec 1995, *R. Hobdy 3911*.

**Acknowledgments**

These records were compiled by the staff of the Herbarium Pacificum (BISH) of Bishop Museum. In alphabetical order the contributors are Clyde T. Imada, Barbara