

New Ant Records (Hymenoptera: Formicidae) from Maui and Moloka‘i

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The following contribution includes new island records of non-native ant species located on the islands of Maui and Moloka‘i. The voucher specimens were collected by Maui Invasive Species Committee (MISC) and Moloka‘i Invasive Species Committee (MoMISC) staff, determined by Forest Starr, and confirmed by Paul Krushelnycky. The vouchers are housed at the University of Hawai‘i Insect Museum, Honolulu.

Hymenoptera: Formicidae

Pseudomyrmex gracilis (Fabricius)

New island records

Previously known from O‘ahu (Nishida 2002) and Kaho‘olawe (Starr *et al.* 2004), this large ant with a painful sting was recently collected at a Hale o Lono on the south shore of Moloka‘i and in dry lowlands of both East and West Maui. This species was first collected on both islands during surveys for Little Fire Ants or LFA (*Wasmannia auropunctata*). The species does not usually come to peanut butter bait, rather they are generally observed crawling over the environment.

Material examined. **MAUI:** 1, Hanaka‘ō‘ō Beach Park, on concrete picnic bench, in coastal dry urban park setting with kiawe (*Prosopis pallida*) and coconut (*Cocos nucifera*), 10 ft [3 m], (20.899172, -156.441377), 17 Oct 2018, Coll. by M Tudor-Long (181017-01); 1, Kanahā Beach Park, on vegetation, in windward coastal habitat with naupaka (*Scaevola taccada*) and akiaki (*Sporobolus virginicus*), 10 ft [3 m], (20.899172, -156.441377), 27 May 2020, Coll. by M. Tudor-Long (200527-01); 1, Kanahā Beach Park, on boulder, 10 ft [3 m], (20.909262, -156.688351), 12 Jul 2020, Coll. by M. Tudor-Long (200712-01); 1, Hanaka‘ō‘ō Beach Park, on person, 10 ft [3 m], (20.909911, -156.688468), 22 Jul 2020, Coll. by F&K Starr (200722-01); 1, Lahainaluna High School, on vehicle, 460 ft [140 m], (20.890227, -156.662178), 23 Jul 2020, Coll. by M. Tudor-Long (200723-01). **MOLOKA‘I:** 2, Hale o Lono, crawling on kiawe tree, in habitat of kiawe (*Prosopis pallida*) and buf-fel grass (*Cenchrus ciliaris*), near ocean, on coral dirt road of concrete pier, 10 ft [3 m], (21.086945, -157.24875), 14 Oct 2019, Coll. by MoMISC (Niles Soares & Kamalani Pali) (191014-01).

Solenopsis abdita Thompson

New island record

Previously known from the islands of Hawai‘i and O‘ahu (Gruner *et al.* 2003) and Moloka‘i (Starr & Starr 2012), as *Solenopsis* sp. HI01, this small, yellow, translucent ant was recently determined through genetic work, to likely be a previously overlooked tramp ant species, *S. abdita* (Sharaf *et al.* 2020). This species readily recruits to peanut butter bait, often in large numbers, and is regularly collected across a wide range of sites during LFA surveys on Maui. All the specimens in the material examined were collected in vials with peanut butter baits.

Material examined. **MAUI:** 10, Happy Valley, 375 ft [114 m], (20.890493, -156.509872), 8 May 2020, Coll. by M. Tudor-Long (200508-01); 10, Lahainaluna High School, 460 ft [140 m],

(20.890227, -156.662178), 23 July 2020, Coll by *M. Tudor-Long* (200723-01); 5, 204 Akeke Pl., Lahaina, 100 ft [30 m], (20.892683, -156.681049), 24 July 2020, Coll by *M. Tudor-Long* (200724-01); 5, Kihana Nursery, Kihei 15 ft [5 m], (20.736459, -156.453935), 13 Aug 2020, Coll by *J. Fleming* (200813-01); 10, Kapalua, 60 ft [18 m], (21.003001, -156.658631), 20 Aug 2020, Coll by *B. Black* (200820-01); 5, Maui Invasive Species Committee baseyard, Pi'iholo, 2100 ft [640 m], (20.841175, -156.294034), 22 Sep 2020, Coll by *M. Tudor-Long* (200922-01).

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