

HAWAIIAN VASCULAR PLANT UPDATES: A SUPPLEMENT TO THE *MANUAL OF THE FLOWERING PLANTS OF HAWAII AND HAWAII'S FERNS AND FERN ALLIES*

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INTRODUCTION

The information provided here in compressed tabular form provides updates to the two volume book on flowering plants [Wagner, W. L., D. R. Herbst, and S. H. Sohmer. 1999. *Manual of the flowering plants of Hawai'i, revised edition* with supplement by Wagner, W. L. and D. R. Herbst. University of Hawaii Press, 1919 pp. in 2 volumes. (Bishop Museum Special Publication 97)], and to the similar volume on ferns [Palmer, D.D. 2003. *Hawai'i's Ferns and Fern Allies*. University of Hawaii Press, Honolulu]. The tables provide all corrections and additions with relevant literature through February 2012.

The intent of this supplement is to summarize the numerous changes published in the *Records of the Hawaii Biological Survey* and other literature on Hawaiian vascular plants, including other research papers currently in press or soon to be submitted for publication. In a few cases a specialist provided information or identifications (listed as "pers. comm.") for which there is no current or planned publication. Not all records reported as naturalized have been accepted by us as naturalized as many appear to represent adventive collections and are so noted. Similarly, some taxonomic changes are not always accepted, and if they are not an explanatory statement is given. The information, presented in tabular form, comprises an abbreviated listing of nomenclatural and taxonomic name changes, resurrections of taxa from synonymy, records of naturalized species previously undocumented in the Hawaiian Islands, records for naturalized species previously known only in cultivation or as adventives in the Hawaiian Islands, new island or intransland range extensions of both naturalized and native species, the rediscovery of species presumed extinct or not collected for many years, and the correct names for plants previously misidentified in Hawaiian literature, particularly in the *Manual*. Included in the supplement are nomenclatural novelties that have not been published and are in press, submitted, or in late stages of manuscript preparation for publication elsewhere. We do not accept any of them as published here. While we cite the names of unpublished taxa and combinations for completeness, we do not intend to validate any of them here.

In addition to tracking the changes to the flowering plants relative to the publication by Wagner et al. (1999) [Table 1], we are now also including changes for the ferns relative to Palmer's book on Hawaiian ferns (2003) [Table 2]. We also provide summary of new information on naturalized gymnosperms [Table 3] and changes to the family level classification [Table 4] as presented on the website by Peter F. Stevens (2001) and Mabberley (2008). The *Manual* used a family delimitation outlined by Cronquist (1981), but given the amount of phylogenetic work, particularly molecular studies since the early 1980s, we have updated the family delimitation to reflect relationships based on this vast amount of new work. We are currently using Stevens' phylogeny website and Mabberley's book as comprehensive sources as it covers all families worldwide, provides molecular and other evidence supporting the changes and literature references. Palmer

(2003) arranged the Hawaiian ferns alphabetically since at that time there was no universally used family classification of the ferns, but he did assign each genus to an appropriate family in the text, which is what was used on the *Flora of the Hawaiian Islands* web site. We have made updates to family level classification for the ferns based on Smith et al. (2006). Table 4 shows the family used in the book publications in the first column, the new family classification in the second column, and the genera affected in the third column.

The Table 1, 2 and 3 includes five categories of information:

1. The first column (Page) lists the page number in the *Manual* where the subject taxon appears, or where it would appear had it been included originally in the *Manual*. Also included here are the page numbers in italics of any illustrated taxon for which the name has changed.
2. The second column (Taxon) gives the currently accepted scientific name; it may differ from the name used in the *Manual*.
3. The third column (Type of Record) specifies the kind of record from among the following categories: taxa new to the state; newly naturalized plants previously known only in cultivation; new distributional records; rediscovery of species presumed extinct; new taxa of native plants; taxonomic or nomenclatural changes; resurrection of taxa relegated to synonymy in the *Manual*; corrected identifications; and changes in distribution status.
4. The fourth column (Citation) provides the author-date citation for the reference in which the information was published. Unpublished sources also are included as these contain more extensive information on nomenclatural or taxonomic changes that the cited authors (in most cases) plan to publish. The entries include both original research literature and literature discussing the changes as they apply to Hawaiian taxa. A list of the literature cited follows the table.
5. The fifth column (Comments) provides brief remarks to clarify the entry or explain its wider implications, or to express our opinion on the new information or proposed change.

TABLE 1: Flowering plants updates

Page	Taxon	Type of Record	Citation	Comment
168	<i>Asystasia gangetica</i> (L.) T. Anderson	new islands (Hawai`i, Lana`i)	Oppenheimer & Bartlett, 2000; Oppenheimer, 2007	
168, 169	<i>Barleria cristata</i> L.	new islands (West Maui, Moloka`i)	Oppenheimer & Bartlett, 2002; Starr et al., 2006	
170	<i>Barleria repens</i> Nees	newly naturalized (O`ahu); new islands (Lana`i, Maui)	Staples et al., 2002; Oppenheimer, 2003	
170	<i>Ruellia blechum</i> L.	taxonomic change for <i>B. brownei</i> and new island (Hawai`i); taxonomic change for <i>Blechum pyramidatum</i>	Wagner & Herbst, 1995; Tripp et al., 2009	
169, 170	<i>Dicliptera chinensis</i> (L.) Juss.	new islands (Hawai`i, Maui, Moloka`i)	Staples et al., 2002; Oppenheimer 2003, 2004, 2007	
169, 171	<i>Hemigraphis reptans</i> (G. Forst.) T. Anderson	new islands (Moloka`i, East Maui) and range extension (West Maui)	Staples et al., 2002; Oppenheimer et al., 1999; Oppenheimer & Bartlett, 2002	
172	<i>Hypoestes phyllostachya</i> Backer	newly naturalized (Hawai`i)	Herbst & Wagner, 1999	
172	<i>Justicia carnea</i> Lindl.	newly naturalized	Oppenheimer, 2004	
172	<i>Justicia spicigera</i> Schltld.	newly naturalized (O`ahu, Moloka`i)	Staples et al., 2002	
172	<i>Megaskepasma erythrochlamys</i> Lindau	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
172	<i>Odontonema cuspidatum</i> (Nees) Kuntze	taxonomic change for <i>O. strictum</i> ; newly naturalized (Kaua`i, Hawai`i); new island (East Maui, O`ahu)	Lorence et al., 1995; Staples et al., 2002; Oppenheimer & Bartlett, 2002; Frohlich & Lau, 2007	

172	<i>Pseuderanthemum variable</i> (R. Br.) Radlk.	new state (O`ahu); new island (Kaua`i)	Herbarium Pacificum Staff, 1998; D. Wasshausen (pers. comm., 1998); Staples et al., 2003	misidentified as <i>Pseuderanthemum fasciculatum</i> (Oerst.) Leonard in Herbarium Pacificum Staff paper
173, 174	<i>Ruellia brittoniana</i> Leonard	new island (West Maui)	Oppenheimer & Bartlett, 2002	
174	<i>Ruellia devosiana</i> hort. Jacob-Makoy ex E. Morren	newly naturalized (Kaua`i)	Lorence et al., 1995	
174	<i>Ruellia brevifolia</i> (Pohl) C. Ezcurra	taxonomic change for <i>Ruellia graecizans</i> ; new islands (Moloka`i, East Maui, Lana`i)	Ezcurra, 1993; Oppenheimer, 2003; Starr et al., 2010	
173, 174	<i>Ruellia prostrata</i> Poir.	new islands (Moloka`i, West Maui)	Oppenheimer, 2003	
174	<i>Sanchezia speciosa</i> Leonard	newly naturalized (Kaua`i)	Lorence et al., 1995	author incorrect in Lorence et al. paper
175	<i>Thunbergia alata</i> Bojer ex Sims	range extension (West Maui); new island (Lana`i)	Oppenheimer, 2003; Starr et al., 2010	
175	<i>Thunbergia fragrans</i> Roxb.	new islands (Moloka`i, Lana`i)	Starr et al., 2006, 2010	
175	<i>Thunbergia grandiflora</i> Roxb.	new island (East Maui)	Starr et al., 2002	
175	<i>Thunbergia laurifolia</i> Lindl.	new islands (East Maui, Hawai`i, Lana`i)	Starr et al., 1999; Oppenheimer, 2003; Starr et al., 2006	
176	<i>Sesuvium portulacastrum</i> (L.) L.	new island (Midway)	Brueggemann, pers. comm., 1998	
178	<i>Tetragonia tetraonioides</i> (Pall.) Kuntze	new islands (Midway, West Maui, Moloka`i, Lana`i); range extension (East Maui)	Oppenheimer et al., 1999; Starr & Martz, 2000; Starr et al., 2003, 2006; Oppenheimer, 2010	
179	<i>Trianthema portulacastrum</i> L.	new islands (West Maui, Kaua`i)	Herbst & Wagner, 1996; Lorence & Flynn, 2006	
179	<i>Celosia argentea</i> L.	newly naturalized (Hawai`i)	Oppenheimer, 2003	
177, 180	<i>Achyranthes aspera</i> L. var. <i>aspera</i>	new island (Moloka`i)	Staples et al., 2002	

181	<i>Achyranthes mutica</i> A. Gray	rediscovery (Hawai`i)	Hawley & Pyle, 1995	East Maui record appears to represent adventive, not yet definitively naturalized
183	<i>Alternanthera brasiliiana</i> (L.) Kuntze	new island (O`ahu)	Wagner & Herbst, 1995; Starr & Starr, 2011	
183, 184	<i>Alternanthera pungens</i> Kunth	new islands (Kaua`i, Lana`i, West Maui) and range extension (East Maui)	Lorence & Flynn, 1999; Oppenheimer & Bartlett, 2002; Oppenheimer & Bartlett, 2000; Starr et al., 2002	
184, 185	<i>Alternanthera sessilis</i> (L.) DC.	new islands (Kaua`i, Lana`i)	Lorence et al., 1995; Imada 2007	
186	<i>Amaranthus dubius</i> Mart. ex Thell.	new island (East Maui)	Starr et al., 2006	
188	<i>Amaranthus graecizans</i> L.	new state (O`ahu)	Herbst et al., 2004	
188	<i>Amaranthus retroflexus</i> L.	new state (Hawai`i)	Wagner et al., 1997	
188	<i>Amaranthus lividus</i> L. subsp. <i>polygonoides</i> (Moq.) Probst	new island (Midway)	Brueggemann, 1999	
184, 188	<i>Amaranthus spinosus</i> L.	new islands (Midway, Lana`i)	Starr et al., 2002; Oppenheimer, 2003	
189	<i>Amaranthus viridis</i> L.	new islands (Midway, Laysan, Moloka`i)	Hughes, 1995; Wagner & Herbst, 1995; Shannon & Wagner, 1996	
189	<i>Blutaparon vermiculare</i> (L.) Mears	new state (O`ahu)	Wagner & Herbst, 1995	
192	<i>Gomphrena celosioides</i> Mart.	new island (Kaua`i)	Wagner & Herbst, 1995	
192	<i>Gomphrena globosa</i> L.	new island (Kaua`i)	Lorence et al., 1995	
193	<i>Nototrichium divaricatum</i> Lorence	new species (Kaua`i)	Lorence, 1996	Na Pali area only; rare
198	<i>Annona cherimola</i> Mill.	newly naturalized (Hawai`i)	Staples et al., 2002	
198	<i>Annona muricata</i> L.	newly naturalized (Moloka`i)	Wysong & Hughes, 2007	
198	<i>Artabotrys hexapetalus</i> (L. f.) Bhandari	newly naturalized (O`ahu, Hawai`i); new island (East Maui)	Nagata, 1995; Starr et al., 2003	

198	<i>Polyalthia suberosa</i> (Roxb.) Thwaites		Frohlich & Lau, 2010	reported as newly naturalized on O`ahu, but appears to be only adventive
200	<i>Anethum graveolens</i> L.	new island (Midway)	Starr et al., 2002	
201, 202	<i>Ciclospermum leptophyllum</i> (Pers.) Sprague	distribution correction (Kure)	Starr et al., 2003; Herbst & Wagner, 1992	
203	<i>Coriandrum sativum</i> L.	new islands (Kaua`i, East Maui)	Staples et al., 2002; Oppenheimer, 2003	
203	<i>Cryptotaenia canadensis</i> (L.) DC.	new islands (Moloka`i, Hawai`i)	Oppenheimer et al., 1999	
204	<i>Daucus pusillus</i> Michx.	new island (Kaua`i)	Lorence et al., 1995	
205, 206	<i>Hydrocotyle bowlesioides</i> Mathias & Constance	new islands (Lana`i, West Maui); range extension (East Maui)	Oppenheimer & Bartlett, 2002; Starr et al., 2003	
208	<i>Peucedanum sandwicense</i> Hillebr.	new island (O`ahu)	Herbarium Pacificum Staff, 1998	
210	<i>Sanicula sandwicensis</i> A. Gray	range extension (West Maui)	Oppenheimer, 2004	
212	<i>Spermolepis hawaiiensis</i> H. Wolff	rediscovery (Kaua`i, Lana`i)	Lorence et al., 1995; Wagner & Herbst, 1995	
213	<i>Torilis arvensis</i> (Huds.) Link	new state (Kaua`i)	Staples et al., 2002	
214	<i>Alstonia macrophylla</i> Wall. ex G. Don	newly naturalized (Hawai`i) and new island (O`ahu)	Wagner et al., 1997; Herbst et al., 2004	
214	<i>Alyxia stellata</i> (J. R. Forst. & G. Forst.) Roem. & Schult.	taxonomic change for <i>Alyxia oliviformis</i>	Middleton, 2002	
215, 223	<i>Thevetia peruviana</i> (Pers.) K. Schum.	taxonomic change for <i>Cascabela thevetia</i> and new islands (Midway, Moloka`i, Lana`i)	Starr et al., 2002; Wysong & Hughes, 2007; Oppenheimer, 2011	an ill-advised change made in the <i>Manual</i> not adopted by specialists in the family
215	<i>Catharanthus roseus</i> (L.) G. Don	new island (Kaua`i)	Lorence et al., 1995	
218	<i>Ochrosia compta</i> K. Schum.	new island (West Maui)	Oppenheimer, 2006	
221	<i>Rauvolfia vomitoria</i> Afzel.	newly naturalized (Hawai`i)	Kennedy et al., 2010	
221	<i>Tabernaemontana pandaciqui</i> Poir.		Frohlich & Lau, 2010	reported as newly naturalized on O`ahu, but appears to be only adventive

221	<i>Vinca major</i> L.	new state (East Maui)	Starr et al., 2002	
222	<i>Ilex aquifolium</i> L.	new island (East Maui)	Wagner & Herbst, 1995	
222	<i>Ilex cassine</i> L.	newly naturalized (O`ahu, Hawai`i)	Imada et al., 2000	
228	<i>Hedera helix</i> L.	new island (East Maui)	Starr et al., 2003	
229-237	<i>Munroidendron</i> , <i>Reynoldsia</i> , and <i>Tetraplasandra</i>	Taxonomic changes to <i>Polyscias</i> subg. <i>Tetraplasandra</i>	Lowery & Plunkett, 2010	molecular data show that Pacific genera all embedded within <i>Polyscias</i>
229, 230	<i>Polyscias racemosa</i> (C. N. Forbes) Lowry & G. M. Plunkett	range extension, unusual specimen (Kaua`i); taxonomic change for <i>Munroidendron racemosum</i>	Herbst & Wagner, 1996; Lowery & Plunkett, 2010	<i>Munroidendron</i> submerged into <i>Polyscias</i> based on molecular data
230, 231	<i>Polyscias sandwicensis</i> (A. Gray) Lowry & G. M. Plunkett	taxonomic change for <i>Reynoldsia sandwicensis</i>	Lowery & Plunkett, 2010	<i>Reynoldsia</i> submerged into <i>Polyscias</i> based on molecular data
232, 239	<i>Schefflera actinophylla</i> (Endl.) Harms	new island (Moloka`i, Lana`i)	Staples et al., 2002; Oppenheimer, 2007	
232	<i>Schefflera arboricola</i> (Hayata) Hayata	newly naturalized (East Maui)	Starr et al., 2003; Frohlich & Lau, 2010	O`ahu record appears to represent adventive, not yet definitively naturalized
232	<i>Schefflera elegantissima</i> (Veitch ex Mast.)		Frohlich & Lau, 2010	reported as newly naturalized on O`ahu, but appears to be only adventive
234	<i>Polyscias bisattenuata</i> (Sherff) Lowry & G. M. Plunkett	resurrection; taxonomic change	Flynn, pers. comm.; Lowery & Plunkett, 2010	<i>Tetraplasandra</i> submerged into <i>Polyscias</i> based on molecular data
234	<i>Polyscias flynnii</i> (Lowry & K. R. Wood) Lowry & G. M. Plunkett	new species (Kaua`i); taxonomic change	Lowry & Wood, 2000	known from only a few individuals (Kalalau) and endangered; <i>Tetraplasandra</i> submerged into <i>Polyscias</i> based on molecular data
234	<i>Polyscias gymnocarpa</i> (Hillebr.) Lowry & G. M. Plunkett	taxonomic change	Lowery & Plunkett, 2010	see note under <i>Polyscias flynnii</i>
234	<i>Polyscias hawaiiensis</i> (A. Gray) Lowry & G. M. Plunkett	taxonomic change	Lowery & Plunkett, 2010	see note under <i>Polyscias flynnii</i>

235	<i>Polyscias kawaiensis</i> (H. Mann) Lowry & G. M. Plunkett	taxonomic change	Lowery & Plunkett, 2010	
235	<i>Polyscias lydgatei</i> (Hillebr.) Lowry & G. M. Plunkett	resurrection from synonymy of <i>Tetraplasandra oahuensis</i> ; taxonomic change	Motley, 2005; Lowery & Plunkett, 2010	only six individuals known in SE Ko'olau Mtns, O'ahu; see also note under <i>Polyscias flynnii</i>
230, 235	<i>Polyscias oahuensis</i> (A. Gray) Lowry & G. M. Plunkett	taxonomic change	Lowery & Plunkett, 2010	see note under <i>Polyscias flynnii</i>
236	<i>Polyscias waialealae</i> (Rock) Lowry & G. M. Plunkett	taxonomic change	Lowery & Plunkett, 2010	see note under <i>Polyscias flynnii</i>
230, 236	<i>Polyscias waimeae</i> (Wawra) Lowry & G. M. Plunkett	taxonomic change	Lowery & Plunkett, 2010	see note under <i>Polyscias flynnii</i>
237	<i>Aristolochia littoralis</i> Parodi	new islands (Kaua'i, East Maui), range extension (West Maui)	Imada et al., 2000; Starr et al., 2003; Oppenheimer, 2007	
240	<i>Asclepias physocarpa</i> (E. Mey.) Schlechter	new island (Moloka'i)	Oppenheimer, 2007	
240	<i>Calotropis gigantea</i> (L.) W. T. Aiton	newly naturalized (Maui) and new islands (Kaua'i, Moloka'i, O'ahu)	Starr et al., 2003, 2004; Wysong & Hughes, 2007; Frohlich & Lau, 2008	O'ahu - adventive, not yet definitively naturalized
240	<i>Calotropis procera</i> (Aiton) W. T. Aiton	new islands (Ni'ihau, Kaua'i, Lana'i)	Wood & LeGrande, 2006; Wood, 2006; Oppenheimer 2008	
240	<i>Cryptostegia madagascariensis</i> Decaisne	newly naturalized (Moloka'i); new island (O'ahu)	Frohlich & Lau, 2008	
240	<i>Hoya australis</i> R. Br. ex J. Traill	newly naturalized (East Maui)	Lorence & Flynn, 1999	
241	<i>Stapelia gigantea</i> N. E. Br.	new islands (West Maui, Moloka'i); range extension (East Maui)	Oppenheimer et al., 1999; Wysong & Hughes, 2007; Oppenheimer, 2010	
242	<i>Kalimeris indica</i> (L.) Sch. Bip. subsp. <i>indica</i>	taxonomic change for <i>Boltonia indica</i> and newly naturalized (Kaua'i)	Nagata, 1995; Gu & Hoch, 1997	

253, 254	<i>Adenostemma viscosum</i> J. R. Forst. & G. Forst.	taxonomic change/misidentification as <i>A. lavenia</i>	King & Robinson, 1987	<i>Adenostemma lavenia</i> is endemic to Sri Lanka while <i>A. viscosum</i> , indigenous in the Hawaiian Isl., is widespread in Pacific region
255	<i>Ageratina riparia</i> (Regel) R. M. King & H. Rob.	new islands (Kaua`i, Lana`i)	Herbst & Wagner, 1996; Oppenheimer & Bartlett, 2002	
256	<i>Ageratum houstonianum</i> Mill.	new island (East Maui)	Oppenheimer & Bartlett, 2000	
258	<i>Arctotheca calendula</i> (L.) Levyns	new state (East Maui)	Starr & Starr, 2011	
265	<i>Artemisia vulgaris</i> L.	new islands (Maui, Lana`i)	Wagner & Herbst, 1995; Oppenheimer, 2004, 2008	
266	<i>Symphyotrichum expansum</i> (Poepp. ex Spreng.) G. L. Nesom	taxonomic change for <i>Aster subulatus</i> var. <i>sandwicensis</i> ; misidentification as <i>Symphyotrichum squamatum</i> (Spreng.) G. L. Nesom	Nesom, 1994, 2000; Sundberg, 2004; Nesom 2005	
270	<i>Bidens alba</i> L. var. <i>radiata</i> (Sch. Bip.) Ballard ex Melchert	new islands (Moloka`i, Lana`i)	Hughes, 1995; Oppenheimer, 2007	
273	<i>Bidens campylotheca</i> Sch. Bip. subsp. <i>campylotheca</i>	new island (Kaua`i)	Lorence et al., 1995	
273	<i>Bidens campylotheca</i> Sch. Bip. subsp. <i>pentamera</i> (Sherff) Ganders & Nagata	new populations extending range (West Maui)	Lau, 1995	
274	<i>Bidens cynapiifolia</i> Kunth	new island (Kaua`i)	Lorence et al., 1995	
284	<i>Calypocarpus vialis</i> Less.	new islands (Midway, Kaho`olawe, Hawai`i)	Brueggmann, 1999; Oppenheimer, 2006, 2007	
286	<i>Centaurea cyanus</i> L.	newly naturalized (Lana`i); new island (Hawai`i)	Wagner & Herbst, 1995; Staples et al., 2003	

286	<i>Centratherum punctatum</i> Cass. subsp. <i>punctatum</i>	newly naturalized (Kaua`i); new islands (Hawai`i, East Maui, Moloka`i, Lana`i)	Lorence et al., 1995; Oppenheimer, 2003; Starr et al., 2004, 2006, 2010	
286	<i>Leucanthemum vulgare</i> L.	taxonomic change for <i>Chrysanthemum leucanthemum</i>	Bremer & Humphries, 1993	
286	<i>Tanacetum parthenium</i> (L.) Sch. Bip.	taxonomic change for <i>Chrysanthemum parthenium</i>	Bremer & Humphries, 1993	
287	<i>Cirsium vulgare</i> (Savi) Ten.	new island (Ni`ihau)	Wood & LeGrande, 2006	
288	<i>Conyza canadensis</i> (L.) Cronquist var. <i>pusilla</i> (Nutt.) Cronquist	new islands (Midway, Kaho`olawe)	Wagner & Herbst, 1995; Starr et al., 2006	
289	<i>Coreopsis lanceolata</i> L.	new island (West Maui)	Meidell et al., 1997	
289	<i>Cotula australis</i> (Sieber ex Spreng.) Hook. f.	new islands (Kaua`i, Lana`i); range extension (West Maui)	Lorence et al., 1995; Oppenheimer, 2003, 2011	
291	<i>Crassocephalum crepidioides</i> (Benth.) S. Moore	new island (Lana`i)	Nagata, 1995; Starr & Starr, 2011	Kaho`olawe - adventive, not yet definitively naturalized
291	<i>Crepis vesicaria</i> L. subsp. <i>taraxacifolia</i> (Thuill.) Thuill.	new state (Hawai`i)	Staples et al., 2002	
292	<i>Delairea odorata</i> Lem.	new island (Lana`i)	Starr et al., 2010	
295	<i>Dubautia carriei</i> B.G. Baldwin & Friar	new species (Moloka`i) for some populations previously treated as <i>Dubautia linearis</i> (Gaudich.) Keck subsp. <i>opposita</i> (Sherff) G. D. Carr including the type	Baldwin & Friar, 2010	limited to slopes of Pu`u Ka`eha
297	<i>Dubautia waianapanapaensis</i> G. D. Carr	taxonomic change for <i>D. dolosa</i>	Carr, 1995	<i>D. dolosa</i> is a hybrid of <i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i> × <i>Dubautia menziesii</i>

297	<i>Dubautia hanaulaensis</i> B.G. Baldwin & Friar	new species (West Maui) for some populations previously treated as <i>Dubautia linearis</i> (Gaudich.) Keck subsp. <i>opposita</i> (Sherff) G. D. Carr	Baldwin & Friar, 2010	limited to rim of Ukumehame
298	<i>Dubautia kalalauensis</i> B.G. Baldwin & G.D. Carr	new species (Kaua`i)	Baldwin & Carr, 2005	Kalalau rim only; extremely rare and endangered
298	<i>Dubautia kenwoodii</i> G. D. Carr	new species (Kaua`i); possibly extinct (Kaua`i)	Carr, 1998; Wood, 2007	Kalalau rim only; extremely rare and endangered
301	<i>Dubautia laxa</i> Hook. & Arnott. subsp. <i>laxa</i>	new island (Kaua`i)	Wood, 2006	
308	<i>Dubautia syndetica</i> G. D. Carr & Lorence	new species (Kaua`i)	Carr & Lorence, 1998	Wahiawa Mts.; rare
308	<i>Dyssodia tenuiloba</i> (DC.) B. L. Rob.	newly naturalized (O`ahu, West Maui); new islands (Kaua`i, Kaho`olawe, Moloka`i, Lana`i)	Starr et al., 2002; Lorence & Flynn, 2006; Starr et al., 2006, 2010	
306, 309	<i>Eclipta prostrata</i> (L.) L.	name change for <i>E. alba</i> ; new island (Lana`i)	Wagner & Herbst, 1995; Oppenheimer, 2003	
306, 310	<i>Elephantopus mollis</i> Kunth	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
310	<i>Pseudelephantopus spicatus</i> (B. Juss. ex Aubl.) C. F. Baker	taxonomic change for <i>Elephantopus spicatus</i> and correction of authors	Bremer, 1994	
312	<i>Emilia coccinea</i> (Sims) G. Don	new island (Kaua`i)	Imada et al., 2000	
312	<i>Emilia sonchifolia</i> (L.) DC. var. <i>javanica</i> (Burm. f.) Mattf.	new islands (East Maui, Lana`i)	Wagner et al., 1997; Oppenheimer 2008	
311, 312	<i>Emilia sonchifolia</i> (L.) DC. var. <i>sonchifolia</i>	new island (Hawai`i)	Oppenheimer & Bartlett, 2002	
311, 314	<i>Erechtites valerianifolia</i> (Wolf) DC.	new island (Kaho`olawe)	Staples et al., 2003	

314	<i>Erigeron bellioides</i> DC.	new populations (O`ahu); range extension (West Maui); new islands (Moloka`i, Hawai`i, Kaua`i, Lana`i)	Nagata, 1995; Oppenheimer & Bartlett, 2000; Staples et al., 2003 Oppenheimer, 2003, 2008	
315	<i>Erigeron karvinskianus</i> DC.	new island (Moloka`i)	Hughes, 1995	
315	<i>Eupatorium capillifolium</i> (Lam.) J. K. Small	new state (Hawai`i)	Staples et al., 2003	
315	<i>Logfia gallica</i> (L.) Coss. & Germ.	taxonomic change for <i>Filago gallica</i>	Wagner et al., 1997	
317	<i>Flaveria trinervia</i> (Spreng.) C. Mohr	new islands (Kaua`i, Kaho`olawe, Maui, Kure)	Lorence et al., 1995; Herbst & Wagner, 1996; Oppenheimer, 2003; Starr et al., 2010	
317	<i>Florestina tripteris</i> DC.	new state (West Maui)	Oppenheimer & Bartlett, 2000	
318	<i>Gaillardia pulchella</i> Foug.	new islands (Kaua`i, Moloka`i)	Lorence et al., 1995	
318, 319	<i>Galinsoga parviflora</i> Cav.	new islands (Lana`i, Moloka`i)	Oppenheimer 2008, 2011	
320	<i>Euchiton japonicus</i> (Thunb.) A. Anderb.	new state (Hawai`i) and new island (East Maui)	Wagner et al., 1997; Staples et al., 2002	formerly treated as species of <i>Gnaphalium</i> , but those Hawaiian plants referred to it misidentified
320	<i>Euchiton sphaericus</i> (Willd.) A. Anderb.	misidentification as <i>Gnaphalium japonicum</i>	Wagner et al., 1997	
320	<i>Gamochaeta americana</i> (Mill.) Weddell	newly naturalized (Maui)	Alford, submitted	
321	<i>Gamochaeta argyrinea</i> G. L. Nesom	newly naturalized (Hawai`i, Maui, O`ahu)	Alford, submitted	
319, 321	<i>Gamochaeta pensylvanica</i> (Willd.) Cabrera	newly naturalized (Hawai`i, Kaho`olawe, Kaua`i, Lana`i, Maui, Moloka`i, Molokini Islet, O`ahu)	Alford, submitted	removal from synonymy of <i>G. purpurea</i> , illustration mislabeled - image represents <i>G. pensylvanica</i>
319, 321	<i>Gamochaeta purpurea</i> (L.) Cabrera	taxonomic change; new island (Ni`ihau); new circumscription (Hawai`i, Maui, Moloka`i and O`ahu)	Wagner et al., 1997; Wood & LeGrande, 2006; Alford, submitted	formerly treated as species of <i>Gnaphalium</i>

321	<i>Gamochaeta simplicaulis</i> (Willd. ex Spreng.) Cabrera	newly naturalized (Moloka`i)	Alford, submitted	
351	<i>Pseudognaphalium attenuatum</i> (DC.) A. Anderb.	new state (Hawaii)	Nesom, 2001; Herbst et al., 2004	status of this species in Hawaii should be verified
319, 321	<i>Pseudognaphalium sandwicensium</i> (Gaudich.) A. Anderb. var. <i>hawaiiense</i> (O. Deg. & Sherff) W. L. Wagner; var. <i>kilaueanum</i> (O. Deg. & Sherff) W. L. Wagner; var. <i>molokaiense</i> (O. Deg. & Sherff) W. L. Wagner; and var. <i>sandwicensium</i>	taxonomic change and new varietal combinations	Wagner et al., 1997	formerly treated as species of <i>Gnaphalium</i>
323	<i>Hesperomannia</i> A. Gray	new tribal placement from Mutisieae to Vernonieae	Kim et al., 1996; Kim et al., 1998	based on <i>ndhF</i> sequence data
325	<i>Hesperomannia arborescens</i> A. Gray	new island (West Maui)	Herbarium Pacificum Staff, 1999	
324, 326	<i>Heterotheca grandiflora</i> Nutt.	new island (Moloka`i)	Oppenheimer, 2010	
327	<i>Hypochoeris glabra</i> L.	new islands (Lehua, Lana`i)	Herbst & Wagner, 1996; Staples et al., 2003	
327	<i>Hypochoeris radicata</i> L.	new islands (O`ahu, Ni`ihau)	Staples et al., 2002; Wood & LeGrande, 2006	
327	<i>Lactuca sativa</i> L.	taxonomic change for <i>L. serriola</i> ; new islands (Kaua`i, Moloka`i, Kaho`olawe)	Koopman et. al. 2001; Wagner & Herbst, 1995; Oppenheimer, 2003; Starr et al., 2006	

328, 329	<i>Keysseria erici</i>	taxonomic change for <i>Lagenophora erici</i>	Nesom, 2000, 2001; Nicolson 1996	Nesom demonstrates the differences between <i>Lagenophora</i> (nom. cons.) vs. <i>Keysseria</i> , a genus of 12 spp. of Hawaiian Islands, New Guinea, Celebes, and Borneo. He further places the Hawaiian species in the endemic sect. <i>Sandwicatis</i> Nesom
330	<i>Keysseria helenae</i>	taxonomic change for <i>Lagenophora helenae</i>	Nesom, 2000, 2001; Nicolson 1996	see comment for <i>L.</i> <i>erici</i>
330	<i>Keysseria maviensis</i>	taxonomic change for <i>Lagenophora</i> <i>maviensis</i>	Nesom, 2000, 2001; Nicolson 1996	see comment for <i>L.</i> <i>erici</i>
334	<i>Lipochaeta connata</i> (Gaudich.) DC. subsp. <i>acris</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change for <i>L. connata</i> var. <i>acris</i>	Wagner & Robinson, 2001	
334	<i>Melanthera bryanii</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	taxa of <i>Lipochaeta</i> sect. <i>Aphanopappus</i> do not differ from <i>Melanthera</i> , presumably sharing direct ancestry, and were transferred to it; allopolyploid species of <i>Lipochaeta</i> remain in a more narrowly delimited endemic genus <i>Lipochaeta</i> see comment under <i>Melanthera bryanii</i>
335, 336	<i>Melanthera fauriei</i> (H. Lév.) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
336	<i>Melanthera</i> <i>integrifolia</i> (Nutt.) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
337	<i>Lipochaeta lobata</i> (Gaudich.) DC. subsp. <i>leptophylla</i> (O. Deg. & Sherff) W. L. Wagner & H. Rob.	taxonomic change for <i>L. lobata</i> var. <i>leptophylla</i>	Wagner & Robinson, 2001	
337	<i>Melanthera</i> <i>kamolensis</i> (O. Deg. & Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
335, 337	<i>Melanthera lavarum</i> (Gaudich.) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>

338, 339	<i>Melanthera micrantha</i> (Nutt.) W. L. Wagner & H. Rob. subsp. <i>micrantha</i> ; and subsp. <i>exigua</i> (O. Deg. & Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
340	<i>Melanthera biflora</i> (L.) DC.	<i>Lipochaeta ovata</i> is a new synonym of the widespread Pacific species	Wagner & Robinson, 2001	type collected by Anderson was probably collected in eastern Polynesia, thus <i>M. biflora</i> is not part of indigenous Hawaiian flora
340	<i>Melanthera perditia</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
339, 340	<i>Melanthera remyi</i> (A. Gray) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
341	<i>Melanthera populifolia</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change and resurrection from synonymy of <i>Lipochaeta subcordata</i>	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i> ; extinct
341, 342	<i>Melanthera subcordata</i> (A. Gray) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
342, 343	<i>Melanthera tenuifolia</i> (A. Gray) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
343	<i>Melanthera tenuis</i> (O. Deg. & Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
342, 344	<i>Melanthera venosa</i> (Sherff) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
344	<i>Melanthera waimeaensis</i> (H. St. John) W. L. Wagner & H. Rob.	taxonomic change	Wagner & Robinson, 2001	see comment under <i>Melanthera bryanii</i>
345	<i>Montanoa hibiscifolia</i> (Benth.) Standl.	new island (Kaho`olawe)	Starr & Starr, 2011	
346	<i>Palafoxia callosa</i> (Nutt.) Torr. & A. Gray	new island (West Maui)	Oppenheimer & Bartlett, 2000	
347	<i>Parthenium hysterophorus</i> L.	new island (O`ahu)	Wagner & Herbst, 1995	
348, 350	<i>Picris hieracioides</i> L.	new island (Moloka`i)	Oppenheimer 2008	

349	<i>Perityle emoryi</i> Torr.	new state (Kaho`olawe)	Starr et al., 2010	
350	<i>Pluchea xfosbergii</i> Cooperr. & Galang	new islands (Ni`ihau, Kaho`olawe)	Wood & LeGrande, 2006, Starr et al., 2006	
348, 351	<i>Pluchea indica</i> (L.) Less.	new island (Hawai`i)	Oppenheimer & Bartlett, 2002	
351	<i>Pluchea carolinensis</i> (Jacq.) G. Don	nomenclatural name change for <i>P.</i> <i>symphytifolia</i>	Wagner & Herbst, 1995	
352	<i>Reichardia picroides</i> (L.) Roth	new island (Moloka`i)	Shannon & Wagner, 1996	
354, 356	<i>Delairea odorata</i> Lem.	taxonomic change for <i>Senecio mikanioides</i>	Jeffrey, 1992; Bremer, 1994; Green, 1994a	treatment in a monotypic genus has recently gained wider acceptance
356	<i>Senecio</i> <i>madagascariensis</i> Poir.	new state (Kaua`i, Hawai`i); new islands (Maui, O`ahu, Lana`i, Kaho`olawe)	Lorence et al., 1995; Starr et al., 1999; Oppenheimer & Bartlett, 2002; Herbst et al., 2004; Starr et al., 2006	
357	<i>Soliva sessilis</i> Ruiz & Pav.	new state (Hawai`i)	Wagner & Herbst, 1995	
357	<i>Sigesbecia orientalis</i> L.	new islands (Ni`ihau, Lana`i)	Wood, 2007; Oppenheimer, 2007	
358	<i>Sonchus oleraceus</i> L.	new island (Ni`ihau)	Herbarium Pacificum Staff, 1996	
359, 360	<i>Synedrella nodiflora</i> (L.) Gaertn.	new island (Lana`i)	Oppenheimer, 2007	
360	<i>Tagetes erecta</i> L.	newly naturalized (O`ahu)	Kennedy, 2010	
359, 361	<i>Taraxacum officinale</i> W. W. Weber ex F. H. Wigg.	new island (Moloka`i)	Oppenheimer, 2003	
363	<i>Tetramolopium</i> <i>capillare</i> (Gaudich.) H. St. John	rediscovery (West Maui)	Herbst & Wagner, 1996	
371, 372	<i>Verbesina encelioides</i> (Cav.) Benth. & Hook.	new island (Pearl and Hermes)	Starr et al., 2002	
371, 373	<i>Cyanthillium</i> <i>cinereum</i> (L.) H. Rob.	taxonomic change for <i>Vernonia cinerea</i>	Wagner et al., 1997	

373, 374	<i>Sphagneticola trilobata</i> (L.) Pruski	taxonomic change for <i>Wedelia trilobata</i> and new islands (Maui, Hawai`i, Moloka`i, Lana`i)	Wagner et al., 1997; Oppenheimer & Bartlett, 2002; Imada et al., 2000; Oppenheimer, 2007	Strother's study was more detailed examination of problem than McVaugh's cited by Staples et al.; also chromosome numbers differ
379	<i>Zinnia palmeri</i> A. Gray	maintain taxonomic recognition for <i>Z. palmeri</i> vs. <i>Z. maritima</i> Kunth	Strother, 1978; Staples et al., 2002	
379, 378 380	<i>Zinnia peruviana</i> (L.) L. <i>Impatiens sodenii</i> Engl. & Warb. ex Engl.	new islands (Moloka`i, Hawai`i) taxonomic change for <i>Impatiens oliveri</i> ; new island (East Maui)	Staples et al., 2002 Grey-Wilson, 1982; Oppenheimer, 2003	
381	<i>Anredera cordifolia</i> (Ten.) Steenis	new island (Lana`i)	Nagata, 1995	
381	<i>Basella alba</i> L.	newly naturalized (O`ahu) and new island (Midway)	Nagata, 1995; Brueggmann, pers. comm., 1998	
383	<i>Begonia cucullata</i> Willd.	newly naturalized (Kaua`i, Hawai`i)	Lorence et al., 1995	
383	<i>Begonia foliosa</i> Kunth	new island (O`ahu)	Imada, 2007	
383	<i>Begonia fusca</i> Liebm.	newly naturalized (Kaua`i, O`ahu)	Miller & Staples, 2003	
383	<i>Begonia hirtella</i> Link	new island (Kaua`i) and range extension (West Maui)	Lorence et al., 1995; Oppenheimer 2004	
384	<i>Begonia reniformis</i> Dryand.	new island (O`ahu)	Herbst & Wagner, 1996	
386	<i>Alnus nepalensis</i> D. Don	newly naturalized (Moloka`i)	Wysong & Hughes, 2007	
387	<i>Jacaranda mimosifolia</i> D. Don	new island (Lana`i)	Oppenheimer 2008	
388	<i>Macfadyena unguis-cati</i> (L.) A. H. Gentry	new islands (West Maui, Hawai`i) and range extension (Hawai`i)	Oppenheimer & Bartlett, 2000; Imada et al., 2000; Starr et al., 2002	
388	<i>Podranea ricasoliana</i> (Tanfani) Sprague	newly naturalized (East Maui)	Starr et al., 2004	

388	<i>Radermachera sinica</i> (Hance) Hemsl.		Frohlich & Lau, 2008	reported as newly naturalized on O`ahu, but appears to be only adventive
388	<i>Spathodea</i> <i>campanulata</i> P. Beauv.	new island (Lana`i)	Oppenheimer, 2007	
388	<i>Tabebuia aurea</i> Benth. & Hook. f. ex S. Moore	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
388	<i>Tabebuia</i> <i>heterophylla</i> (DC.) Britton	newly naturalized (West Maui) and range extension (O`ahu)	Oppenheimer, 2003, 2004	
388	<i>Tabebuia rosea</i> (Bertol.) DC.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
389	<i>Tecoma castanifolia</i> (Don) Melch.	newly naturalized (O`ahu)	Herbarium Pacificum Staff, 1998	
392	<i>Carmona retusa</i> (Vahl) Masam.	newly naturalized (Kaua`i, West Maui); range extension (East Maui), new island (Moloka`i)	Lorence et al., 1995; Starr et al., 2003, 2006	
392	<i>Cordia dichotoma</i> G. Forst.	newly naturalized (O`ahu)	Herbarium Pacificum Staff, 1996	
392	<i>Cordia subcordata</i> Lam.	distribution status change to indigenous; new island (Moloka`i)	Burney et al., 2001; Oppenheimer, 2007	based on subfossil seeds
393, 394	<i>Cynoglossum amabile</i> Stapf. & J. R. Drumm.	new island (East Maui)	Oppenheimer, 2010	
396	<i>Heliotropium</i> <i>procumbens</i> Mill. var. <i>depressum</i> (Cham.) Fosberg	new island (Kaua`i)	Herbst & Wagner, 1999	
396	<i>Myosotis azorica</i> H. C Watson	newly naturalized (East Maui)	Starr et al., 2008	
400, 401	<i>Brassica rapa</i> L.	taxonomic change for <i>B. campestris</i> ; new island (East Maui) and range extension (West Maui)	Wagner & Herbst, 1995; Al- Shehbaz, 1985; Oppenheimer & Bartlett, 2002	
400, 401	<i>Brassica nigra</i> (L.) W. D. J. Koch	distribution correction (Midway)	Starr et al., 2003; Apfelbaum et al., 1983; Brueggemann, 1998	

401, 402	<i>Capsella bursa-pastoris</i> (L.) Medik.	taxonomic change for <i>C. rubella</i> and new island (Midway)	Wagner & Herbst, 1995; Herbst & Wagner, 1996	the illustration in <i>Plate 43</i> (p. 401) labelled <i>Brassica nigra</i> is actually <i>Hirschfeldia incana</i> as two of the misidentified specimens were used to prepare it
402	<i>Cardamine flexuosa</i> With.	new islands (Moloka`i, Lana`i)	Hughes, 1995; Oppenheimer, 2003	
403, 404	<i>Coronopus didymus</i> (L.) Sm.	new island (Laysan)	Staples et al., 2003	
401, 405	<i>Hirschfeldia incana</i> (L.) Lagr.-Foss.	new state (East Maui, Hawai`i) and misidentification as <i>Brassica nigra</i> pro parte	Lorence et al., 1995	
407	<i>Lepidium densiflorum</i> Schrad.	new island (West Maui)	Oppenheimer, 2004	known only from Ha`upu
406	<i>Lepidium remyi</i> Drake	taxonomic change for <i>L. bidentatum</i> var. <i>remyi</i>	Wagner, unpubl.	
407, 408	<i>Lepidium africanum</i> (Burm. f.) DC.	misidentification as <i>L. hyssopifolium</i> ; new islands (Maui, Kaua`i, O`ahu)	Wagner & Herbst, 1995; Oppenheimer, 2003; Wood, 2006; Frohlich & Lau, 2010	
407, 408	<i>Lepidium oblongum</i> Small	new islands (Kaua`i, Maui)	Lorence et al., 1995; Starr et al., 2006	
408, 409 409	<i>Lepidium orbiculare</i> H. St. John <i>Lepidium virginicum</i> L.	resurrection from synonymy of <i>L. serra</i> new islands (Kaua`i, Lana`i); distribution correction (Kure)	St. John, 1981; Wagner, unpubl. Lorence et al., 1995; Starr et al., 2003; Herbst & Wagner, 1992; Woodward, 1972; Oppenheimer, 2010	known only from Ha`upu
409	<i>Lobularia maritima</i> (L.) Desv.	new islands (O`ahu, Moloka`i, Hawai`i)	Wagner & Herbst, 1995; Lorence et al., 1995; Oppenheimer, 2003	

411	<i>Nasturtium microphyllum</i> Boenn. ex Rchb.	name changes, first from <i>Nasturtium microphyllum</i> to <i>Rorippa microphylla</i> then, with new data, back to <i>Nasturtium</i> , new island (Moloka`i)	Wagner & Herbst, 1995; Al-Shehbaz & Price, 1998; Wysong & Hughes, 2007	new molecular results show the aquatic species with hollow stems sometimes placed in <i>Nasturtium</i> are more closely related to <i>Cardamine</i> than <i>Rorippa</i> where they are often placed
410, 411	<i>Rorippa sarmentosa</i> (G. Forst. ex DC.) J. F. Macbr.	Taxonomic change from <i>Nasturtium sarmentosum</i>	Wagner & Herbst, 1995; Al-Shehbaz & Price, 1998	
412	<i>Raphanus raphanistrum</i> L.	newly naturalized (Kaua`i, O`ahu, Moloka`i, East Maui, Hawai`i)	Staples et al., 2003	
412	<i>Rapistrum rugosum</i> (L.) All.	new state (Kaua`i)	Lorence et al., 1995	
412	<i>Sinapis arvensis</i> L.	new state (Moloka`i)	Herbarium Pacificum Staff, 1998	based on a single specimen misidentified as <i>Brassica campestris</i>
413, 414	<i>Sisymbrium altissimum</i> L.	new island (Moloka`i)	Wysong & Hughes, 2007	
413, 414	<i>Sisymbrium officinale</i> (L.) Scop. var. <i>officinale</i>	new island (O`ahu)	Frohlich & Lau, 2008	
414, 415	<i>Buddleja asiatica</i> Lour.	new islands (Lana`i, Kaua`i); spelling correction	Oppenheimer & Bartlett, 2002; Wood, 2006	
415	<i>Buddleja davidii</i> Franch.	newly naturalized (Kaua`i); new island (East Maui); spelling correction	Shannon & Wagner, 1996; Starr et al., 2003	spelling in <i>Manual</i> incorrect. Spelled <i>Buddleja</i> by Linneaus when originally published.
416	<i>Buddleja madagascariensis</i> Lam.	new islands (Kaua`i, East Maui); spelling correction	Lorence & Flynn, 1999; Oppenheimer & Bartlett, 2000	
417	<i>Acanthocereus tetragonus</i> (L.) Hummelinck	newly naturalized (Kaua`i)	Lorence et al., 1995	
417	<i>Cereus uruguayanus</i> Ritter ex R. Kiesling	new island (East Maui)	Oppenheimer 2008	
418	<i>Harrisia bonplandii</i> (Parm. ex Pfeiff.) Britton & Rose	newly naturalized (Kaua`i)	Lorence et al., 1995	
418	<i>Hylocereus costaricensis</i> (F. A. C. Weber) Britton & Rose	newly naturalized (Kaua`i)	Lorence et al., 1995	

419	<i>Opuntia chochenillifera</i> (L.) Mill.	new island (West Maui)	Oppenheimer, 2004	
419	<i>Opuntia ficus-indica</i> (L.) Mill.	new islands (Moloka`i, Lana`i)	Hughes, 1995; Oppenheimer & Bartlett, 2002	
420	<i>Opuntia monacantha</i> (Willd.) Haw.	nomenclatural change	Staples et al., 2002	
420	<i>Selenicereus macdonaldiae</i> (Hook.) Britton & Rose	newly naturalized (Kaua`i)	Lorence et al., 1995; G. Staples & D. Herbst, pers. comm., 1998	Lorence et al. reported as <i>Selenicereus grandiflorus</i> (L.) Britton & Rose, a misidentification
426	<i>Clermontia arborescens</i> (H. Mann) Hillebr. subsp. <i>waikoluensis</i> (H. St. John) Lammers	resurrection from synonymy of <i>C. arborescens</i> subsp. <i>waihia</i> and new status and combination	Lammers, 1991	
430	<i>Clermontia grandiflora</i> Gaudich. subsp. <i>maxima</i> Lammers	new subspecies (East Maui); rediscovery	Lammers, 1991; Wood, in press	
435	<i>Clermontia peleana</i> Rock subsp. <i>singuliflora</i> (Rock) Lammers	resurrection from synonymy of <i>C. peleana</i> and new status and combination	Lammers, 1991	<i>C. peleana</i> is listed endangered (E*), but subsp. <i>singuliflora</i> is extinct
446, 447	<i>Cyanea floribunda</i> E. Wimm.	correct name for the plants treated as <i>C. degeneriana</i>	Lammers, unpubl.	the type of <i>C. degeneriana</i> becomes a synonym of <i>C. hirtella</i>
448	<i>Cyanea dolichopoda</i> Lammers & Lorence	new species (Kaua`i)	Lammers & Lorence, 1993	“Blue Hole,” N fork of Wailua River only and possibly extinct
448	<i>Cyanea dunbariae</i> Rock	rediscovery (Moloka`i) and spelling correction	Hughes, 1995; Lammers, pers. comm., 1997	
448	<i>Cyanea duvalliorum</i> Lammers & H. Oppenh.	new species (East Maui)	Lammers, 2004	
448	<i>Cyanea eleeleensis</i> (H. St. John) Lammers	new species (Kaua`i) and new combination; possibly extinct	St. John, 1987a; Lammers, 1992; Wood, in press	described as a species of <i>Delissea</i> ; extremely rare and endangered
448	<i>Cyanea fauriei</i>	placed into synonymy with <i>C. coriacea</i>	Lammers, 2004	

451	<i>Cyanea cylindrocalyx</i> (Rock) Lammers	new combination and status for <i>C. grimesiana</i> subsp. <i>cylindrocalyx</i> (Hawai'i)	Lammers, 1998	<i>Cyanea grimesiana</i> newly delimited to include populations from O'ahu and Moloka'i; those on O'ahu subdivided into 2 subspecies: <i>grimesiana</i> and <i>obatae</i> Maui populations only; see note under <i>C. cylindrocalyx</i>
451	<i>Cyanea mauiensis</i> (Rock) Lammers	resurrection from synonymy of <i>C. grimesiana</i> subsp. <i>grimesiana</i> and new combination	Lammers, 1998	
451	<i>Cyanea munroi</i> (Hosaka) Lammers	resurrection from synonymy of <i>C. grimesiana</i> subsp. <i>grimesiana</i> and new combination	Lammers, 1998	some Moloka'i and all Lana'i populations; see note under <i>C. cylindrocalyx</i>
452	<i>Cyanea habenata</i> (H. St. John) Lammers	new species and new combination (Kaua'i)	St. John, 1987a	described as a species of <i>Delissea</i> ; extremely rare and endangered
453	<i>Cyanea kolekoleensis</i> (H. St. John) Lammers	new species (Kaua'i) and new combination; possibly extinct	St. John, 1987a; Lammers, 1992; Wood, in press	described as a species of <i>Delissea</i> ; rare
453	<i>Cyanea kuhihewa</i> Lammers	new species (Kaua'i); possibly extinct (Kaua'i)	Lammers, 1996; Wood, 2007	Limahuli Valley only; extremely rare and endangered
454	<i>Cyanea lobata</i> H. Mann subsp. <i>lobata</i> ; and subsp. <i>baldwinii</i> (C. N. Forbes & G. C. Munro) Lammers	resurrection of <i>C. baldwinii</i> from synonymy of <i>C. lobata</i> , but with recognition at subspecies level; rediscovery (Lana'i)	Lammers, 1999; Wood, 2007	
456	<i>Cyanea magnicalyx</i> Lammers	new species (West Maui)	Lammers, 2004	
457	<i>Cyanea maritae</i> Lammers & H. Oppenh.	new species (East Maui)	Lammers, 2004	
458	<i>Cyanea minutiflora</i> Lammers	new species (Kaua'i)	Lammers, 2004	known only from the type material
460	<i>Cyanea procera</i> Hillebr.	rediscovery (Moloka'i)	Hughes, 1995	
461	<i>Cyanea profuga</i> C. N. Forbes	rediscovery (Moloka'i)	Wood, 2007	
461	<i>Cyanea pseudofauriei</i> Lammers	new species (Kaua'i)	Lammers, 2004	
461	<i>Cyanea recta</i> (Wawra) Hillebr.	rediscovery (Kaua'i)	Lorence et al., 1995	

461	<i>Cyanea salicina</i> H. Lév.	resurrection from synonymy of <i>C. recta</i> for plants from NE Kaua`i	Lammers, unpubl.	<i>Cyanea recta</i> is restricted to Makaleha Mts., Powerline Trail, and Wai`oli Valley described as a species of <i>Delissea</i>
464	<i>Cyanea kahiliensis</i> (H. St. John) Lammers	new status and new combination for plants treated as <i>C. spathulata</i> subsp. <i>longipetiolata</i>	St. John, 1987a; Lammers, 1998	
466	<i>Cyanea remyi</i> Rock	resurrection from note under <i>C. truncata</i>	Lammers & Lorence, 1993	
467	<i>Cyanea undulata</i> C. N. Forbes	rediscovery (Kaua`i)	Lorence et al., 1995	
468	<i>Delissea fauriei</i> H. L év.	resurrection from synonymy of <i>Clermontia arborescens</i> subsp. <i>waikoluensis</i>	Lammers, 2005	
469	<i>Cyanea rivularis</i> Rock	rediscovery (Kaua`i); taxonomic change for <i>Delissea rivularis</i>	Lorence et al., 1995; Lammers, 2005	
471	<i>Delissea argutidentata</i> (E. Wimmer) H. St. John	resurrection from synonymy of <i>D. undulata</i>	Lammers, 2005	endemic to leeward Hawai`i
471	<i>Delissea lanaiensis</i> (Rock) Lammers	taxonomic change elevating <i>D. sinuata</i> subsp. <i>lanaiensis</i> to species	Lammers, 1998	
470, 471	<i>Delissea niihauensis</i> H. St. John subsp. <i>niihauensis</i> ; and <i>D. n. subsp. kauaiensis</i> (Lammers) Lammers	taxonomic change for two of the three taxa included in <i>D. undulata</i> separating them to a separate species	Lammers, 1999	
471	<i>Delissea kauaiensis</i> (Lammers) Lammers	further taxonomic change elevating <i>D. niihauensis</i> subsp. <i>kauaiensis</i> to species rank	Lammers, 2005	endemic to Kaua`i
471	<i>Delissea niihauensis</i> H. St. John	further taxonomic change elevating <i>D. niihauensis</i> subsp. <i>niihauensis</i> to species rank	Lammers, 2005	endemic to Ni`ihau
471	<i>Delissea subcordata</i> Gaudichaud subsp. <i>subcordata</i>	change in distribution status due to redivision of species characters	Lammers, 2005	endemic only to the Ko`olau Mts of O`ahu

471	<i>Delissea subcordata</i> Gaudichaud subsp. <i>obtusifolia</i> (Wawra) Lammers	resurrection and new status	Lammers, 2005	
471	<i>Delissea takeuchii</i> Lammers	new species (O`ahu)	Lammers, 2005	endemic to the Wai`anae Mts of O`ahu
471	<i>Delissea undulata</i> Gaudichaud	taxonomic change to narrower delimitation of species	Lammers, 2005	endemic to West Maui
472	<i>Delissea</i> <i>waianaeensis</i> Lammers	new species (O`ahu)	Lammers, 2005	endemic to the Wai`anae Mts of O`ahu
473	Hawaiian <i>Lobelia</i>	needed taxonomic change: transfer endemic species of <i>Lobelia</i> to <i>Galeatella</i> and <i>Neowimmeria</i>	T. J. Givnish, pers. comm., 1998	recent molecular data show native Hawaiian Campanulaceae arose from a single ancestor, thus no Hawaiian species should be included in <i>Lobelia</i>
476	<i>Lobelia gloria-montis</i> Rock subsp. <i>gloria-</i> <i>montis</i>	taxonomic change (subsp. designation)	Lammers, 2007	two subspecies recognized
476	<i>Lobelia gloria-montis</i> subsp. <i>longibracteata</i> (Rock) Lammers	taxonomic change (subsp. designation)	Lammers, 2007	two subspecies recognized
476	<i>Lobelia koolauensis</i> (Hosaka & Fosberg) Lammers	taxonomic change for <i>L. gaudichaudii</i> var. <i>koolauensis</i> to species status	Lammers, 2007	elevated to specific rank
477	<i>Lobelia hillebrandii</i> Rock	new island (Moloka`i)	Lorence et al., 1995	
478	<i>Lobelia kauaiensis</i> (A. Gray)A. Heller	new species (Kaua`i)	Lammers, 2007	recognized by Lammers as a nothotaxon hybrid of <i>L. villosa</i> and <i>L.</i> <i>wahiawa</i>
478	<i>Lobelia niihauensis</i> H. St. John	new synonym: <i>Neowimmera</i> <i>niihauensis</i> var. <i>forbesii</i> (H. St. John) O. Deg. & I. Deg.	Herbst, unpubl.	
480	<i>Lobelia wahiawa</i> Lammers	new species (Kaua`i)	Lammers, 2007	distinct from <i>L.</i> <i>kauaensis</i>
481	<i>Cyanea crispa</i> (Gaudich.) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
481, 482	<i>Cyanea koolauensis</i> Lammers, Givnish & Sytsma	taxonomic change for <i>Rollandia angustifolia</i>	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
482, 483	<i>Cyanea humboldtiana</i> (Gaudich.) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>

482, 483	<i>Cyanea calycina</i> (Cham.) Lammers [<i>Cyanea lanceolata</i> (Gaudich.) Lammers, Givnish & Sytsma subsp. <i>calycina</i> (Cham.) Lammers, Givnish & Sytsma]	taxonomic changes; in 1993 transferred to <i>Cyanea</i> using same taxonomy as Lammers (1990), then in 1998 the subspecies were raised to specific rank	Lammers et al., 1993; Lammers, 1998	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
483	<i>Cyanea lanceolata</i> (Gaudich.) Lammers, Givnish & Sytsma [<i>Cyanea lanceolata</i> (Gaudich.) Lammers, Givnish & Sytsma subsp. <i>lanceolata</i>]	see <i>Cyanea calycina</i> entry	Lammers et al., 1993; Lammers, 1998	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
484	<i>Cyanea longiflora</i> (Wawra) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
484	<i>Cyanea sessilifolia</i> (O. Deg.) Lammers	resurrection from synonymy of <i>Rollandia longiflora</i> and taxonomic change	Lammers, 1998	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
484	<i>Cyanea parvifolia</i> (C. N. Forbes) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
484	<i>Cyanea purpurellifolia</i> (Rock) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
482, 484	<i>Cyanea st.-johnii</i> (Hosaka) Lammers, Givnish & Sytsma	taxonomic change	Lammers et al., 1993	<i>Rollandia</i> no longer recognized as distinct from <i>Cyanea</i>
486	<i>Trematolobelia auriculata</i> H. St. John	resurrected from synonymy of <i>T. macrostachys</i>	Lammers, 2009	
486	<i>Trematolobelia kaalae</i> (O. Deg.) Lammers	resurrected from synonymy of <i>T. macrostachys</i> and taxonomic change	Lammers, 2009	elevated to specific rank
488	<i>Trematolobelia rockii</i> H. St. John	resurrected from synonymy of <i>T. macrostachys</i>	Lammers, 2009	
488	<i>Trematolobelia wimmeri</i> O. Deg. & I. Deg.	resurrected from synonymy of <i>T. grandifolia</i> & <i>macrostachys</i>	Lammers, 2009	

489	<i>Wahlenbergia marginata</i> (Thunb.) A. DC	new state (Hawai`i); new island (East Maui)	Herbst et al., 2004; Oppenheimer, 2008	re-examination of Hawaiian material revealed two distinct species with <i>W. marginata</i> restricted to the island of Hawai`i
491, 494	<i>Lonicera japonica</i> Thunb.	new islands (East Maui, O`ahu)	Starr et al., 2002; Frohlich & Lau, 2008	
495, 496 497	<i>Sambucus mexicana</i> C. Presl ex DC. <i>Carica papaya</i> L.	range extension (West Maui) new islands (Maui, Lana`i, O`ahu)	Oppenheimer & Bartlett, 2002 Oppenheimer & Bartlett, 2000; Oppenheimer, 2010, 2011	
500	<i>Schiedea lychnoides</i> Hillebr.	taxonomic change for <i>Alsinidendron lychnoides</i> (Hillebr.) Sherff	Wagner, Weller, & Sakai, 2005	<i>Alsinidendron</i> no longer recognized as distinct from <i>Schiedea</i>
501	<i>Schiedea obovata</i> (Sherff) W. L. Wagner & Weller	taxonomic change for <i>Alsinidendron obovatum</i>	Wagner, Weller, & Sakai, 2005	see comment for <i>Schiedea lychnoides</i>
501	<i>Schiedea trinervis</i> (H. Mann) Pax & K. Hoffm.	taxonomic change for <i>Alsinidendron trinerve</i>	Wagner, Weller, & Sakai, 2005	see comment for <i>Schiedea lychnoides</i>
501	<i>Schiedea viscosa</i> H. Mann	taxonomic change for <i>Alsinidendron vicosum</i> (H. Mann) Sherff; and rediscovery (Kaua`i)	Wagner, Weller, & Sakai, 2005; Lorence et al., 1995	see comment for <i>Schiedea lychnoides</i>
503	<i>Cerastium glomeratum</i> Thuill.	newly naturalized (East Maui)	Starr et al., 2004	identification confirmed based on F. Starr images by R. Rabeler (MICH) in 2012
504, 505 506	<i>Drymaria cordata</i> (L.) Willd. ex Roem. <i>Sagina japonica</i> (Sw.) Ohwi	new island (Lana`i) newly naturalized (Midway)	Oppenheimer, 2007 Starr et al., 2003	reported as new island record
508	<i>Sagina procumbens</i> L.	new state (Lana`i and Maui)	Oppenheimer, 2003	
511	<i>Schiedea attenuata</i> W. L. Wagner, Weller, & Sakai	new species (Kaua`i)	Wagner et al., 1994	Kalalau Valley cliffs only; extremely rare and endangered
511	<i>Schiedea diffusa</i> A. Gray subsp. <i>macraei</i> (Sherff) W. L. Wagner & Weller	resurrection of <i>S. diffusa</i> var. <i>macraei</i> from synonymy of <i>S. diffusa</i> and new combination and status	Wagner, Weller, & Sakai, 2005	this subspecies occurs on Hawai`i while subsp. <i>diffusa</i> occurs on Maui and Moloka`i

511	<i>Schiedea hawaiiensis</i> Hillebr.	resurrection from synonymy of <i>S. diffusa</i>	Herbst & Wagner, 1999	known only from one individual discovered in 1996 in Pōhakuloa Training Area, Hawaiʻi
514	<i>Schiedea helleri</i> Sherff	rediscovery (Kauaʻi)	Lorence et al., 1995	
515	<i>Schiedea jacobii</i> W. L. Wagner, Weller, & A. C. Medeiros	new species (East Maui)	Wagner, Weller, Sakai & Medeiros, 1999	Hanawi only; few individuals; extremely rare and perhaps endangered
517	<i>Schiedea laui</i> W. L. Wagner & Weller	new species	Wagner, Weller, & Sakai, 2005	Molokaʻi (endangered)
517	<i>Schiedea sarmentosa</i> O. Deg. & Sherff	resurrection from synonymy of <i>Schiedea menziesii</i>	Wagner, Weller, & Sakai, 2005	endemic to Molokaʻi where <i>S. menziesii</i> does not occur
517	<i>Schiedea perlmanii</i> W. L. Wagner & Weller	new species (Kauaʻi)	Wagner, Weller, & Sakai, 2005	occurs only on Haʻupu; includes <i>S. nuttallii</i> var. <i>lihuensis</i>
517	<i>Schiedea kauaiensis</i> H. St. John	new species (Kauaʻi)	St. John, 1988; Wagner, Weller, & Sakai, 2005	includes <i>S. nuttallii</i> var. <i>pauciflora</i> ; listed endangered (E*)
519	<i>Schiedea pentandra</i> W. L. Wagner & E. M. Harris	new species (Oʻahu)	Wagner & Harris, 2000	replaces the never validly published name <i>S. pubescens</i> var. <i>purpurascens</i> at species level; rare
518, 520	<i>Schiedea spergulina</i> A. Gray	rediscovery (Kauaʻi) and taxonomic change (no varieties recognized)	Lorence et al., 1995; Wagner, Weller, & Sakai, 2005	
520	<i>Schiedea stellarioides</i> H. Mann	rediscovery (Kauaʻi)	Lorence et al., 1995	
523	<i>Silene lanceolata</i> A. Gray	new island (Oʻahu)	Hawley & Pyle, 1995	
526, 527	<i>Stellaria media</i> (L.) Vill.	new islands (Midway, Molokaʻi)	Starr et al., 2003; Oppenheimer, 2010	
528	<i>Vaccaria hispanica</i> (Mill.) Rauschert	escape or adventive (Molokaʻi)	Hughes, 1995	one individual located; should not yet be considered part of naturalized flora
529	<i>Casuarina glauca</i> Sieber ex Spreng.	new islands (Midway, West Maui, Hawaiʻi, Molokaʻi, Kauaʻi, Kahoʻolawe); author correction	Bruegmann, pers. comm., 1998; Starr et al., 2002; Oppenheimer & Bartlett, 2000; Oppenheimer, 2008, 2011; Starr & Starr, 2011	

529	<i>Casuarina cunninghamia</i> Miq. × <i>C. glauca</i> Sieber ex Spreng.	newly naturalized (Kaua`i) and new island (West Maui)	Lorence et al., 1995; Oppenheimer & Bartlett, 2002	Ka`aweki Ridge
533	<i>Ceratophyllum demersum</i> L.	new island (O`ahu) and range extension (West Maui)	Staples et al., 2002; Oppenheimer & Bartlett, 2002	
534	<i>Atriplex canescens</i> (Pursh) Nutt.	new state (Hawai`i)	Staples et al., 2003	
535	<i>Atriplex maximowicziana</i> Makino	new state (Hawai`i)	Wagner et al., 1997	
535	<i>Atriplex suberecta</i> Verd.	new island (Kaua`i)	Lorence et al., 1995	
532, 536	<i>Bassia hyssopifolia</i> (Pall.) Kuntze	new island (Moloka`i) and range extension (East Maui)	Staples et al., 2002; Starr et al., 2002	
537	<i>Chenopodium album</i> L.	new island (Hawai`i); range extension (West Maui)	Staples et al., 2002; Oppenheimer, 2003	
537	<i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants	new island (Kaua`i); taxonomic change	Staples et al., 2002; Clemants & Mosyakin, 2003	the glandular species previously assigned to <i>Chenopodium</i> are not closely related to other <i>Chenopodium</i>
537	<i>Dysphania carinatum</i> (R.Br.) Mosyakin & Clemants	new islands (Kaua`i, O`ahu); taxonomic change and confirmed identification	Lorence & Flynn, 1997; Staples et al., 2003; Clemants & Mosyakin, 2003	see note under <i>Dysphania ambrosioides</i> ; specimens at US examined by W. L. Wagner & determined to represent <i>D. carinatum</i>
538, 539	<i>Chenopodium oahuense</i> (Meyen) Aellen	new island (Kaho`olawe)	Starr et al., 2006	
540	<i>Enchylaena tomentosa</i> R. Br. var. <i>tomentosa</i>	new state (East Maui)	Imada et al., 2000	
539, 540	<i>Salsola tragus</i> L.	misidentification as <i>S. kali</i> and new islands (East Maui, Kaho`olawe, O`ahu, Moloka`i)	Wagner et al., 1997; Oppenheimer & Bartlett, 2002; Herbst & Wagner, 1999; Herbst et al., 2004; Starr et al., 2006	

542	<i>Clusia rosea</i> Jacq.	new islands (Maui, Moloka`i)	Oppenheimer & Bartlett, 2000; Wysong & Hughes, 2007
544, 545	<i>Hypericum mutilum</i> L. subsp. <i>mutilum</i>	name change (subsp. designation) and new island (Kaua`i)	Robson, 1990; Lorence et al., 1995; Wagner & Herbst, 1995
547	<i>Conocarpus erectus</i> L.	new island (Kaua`i)	Lorence & Flynn, 1997
545, 547	<i>Terminalia catappa</i> L.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003, 2008
548	<i>Terminalia myriocarpa</i> Van Heurck & Müll. Arg.	new island (O`ahu)	Herbarium Pacificum Staff, 1998
549	<i>Argyreia nervosa</i> (Burm. f.) Bojer	new state (Kaua`i) and new range extension (East Maui)	Lorence et al., 1995; Oppenheimer, 2004
552	<i>Convolvulus arvensis</i> L.	new island (Moloka`i)	Imada et al., 2008
552	<i>Convolvulus erubescens</i> Sims	new state (O`ahu)	Herbst, 1998
553	<i>Dichondra micrantha</i> Urb.	newly naturalized (O`ahu, Maui); new island (Lana`i)	Oppenheimer & Bartlett, 2002; Oppenheimer, 2010
553	<i>Evolvulus alsinoides</i> (L.) L.	new state (West Maui)	Oppenheimer, 2004
555	<i>Ipomoea aquatica</i> Forssk.	new island (Midway, Hawai`i)	Brueggemann, pers. comm., 1998; Imada et al., 2000
555	<i>Ipomoea batatas</i> (L.) Lam.	new islands (Midway, West Maui)	Brueggemann, pers. comm., 1998; Oppenheimer, 2003
555	<i>Ipomoea cairica</i> (L.) Sweet	new island (West Maui); range extension (East Maui)	Oppenheimer & Bartlett, 2000; Starr et al., 2006
558, 557	<i>Ipomoea obscura</i> (L.) Ker Gawl.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003, 2007
558, 559	<i>Ipomoea pes-caprae</i> (L.) R. Br. subsp. <i>brasiliensis</i> (L.) Ooststr.	distribution correction (Kure)	Starr et al., 2003; Herbst & Wagner, 1992
559, 561	<i>Ipomoea triloba</i> L.	new islands (Hawai`i, Moloka`i, Lana`i)	Oppenheimer & Bartlett, 2002; Oppenheimer, 2006, 2007

562	<i>Jacquemontia sandwicensis</i> A. Gray	taxonomic change for <i>J. ovalifolia</i> subsp. <i>sandwicensis</i>	Namoff et al., 2010	analysis based on molecular data
563	<i>Merremia peltata</i> (L.) Merr.	new state (Kaua`i)	Wood, in press	
563	<i>Merremia tuberosa</i> (L.) Rendle	new islands (Moloka`i, Lana`i)	Oppenheimer, 2006, 2007	
564	<i>Merremia umbellata</i> (L.) Hallier f.	newly naturalized (O`ahu)	Imada et al., 2000	
564	<i>Poranopsis paniculata</i> (Roxb.) Roberty	newly naturalized	Starr et al., 2004	
567	<i>Crassula multicava</i> Lem.	newly naturalized (Kaua`i)	Lorence et al., 1995	
567	<i>Crassula ovata</i> (Mill.) Druce	newly naturalized (Kaua`i)	Lorence et al., 1995	
567	<i>Bryophyllum</i>	proposed generic segregate	Staples et al., 2002; Mort et al., 2001	<i>Kalanchoe</i> continued to be recognized because recent molecular analysis of Crassulaceae the <i>Bryophyllum</i> taxa are nested within <i>Kalanchoe</i> clade and also do not even form a monophyletic clade
568	<i>Kalanchoe crenata</i> (Andrews) Haw.	newly naturalized (O`ahu)	Herbst et al., 2004	
568	<i>Kalanchoe daigremontiana</i> Raym.-Hamet & H. Perrier	newly naturalized (Kaua`i); new island (East Maui, Hawai`i)	Lorence et al., 1995; Starr et al., 2006; Parker and Parsons, 2010	
568	<i>Kalanchoe fedtschenkoi</i> Raym.-Hamet & H. Perrier	newly naturalized (Kaua`i), new island (Maui)	Lorence et al., 1995; Oppenheimer, 2006	
569	<i>Coccinia grandis</i> (L.) Voigt	new islands (East Maui, Lana`i, Midway) and range extension (West Maui)	Starr et al., 1999, 2010; Oppenheimer & Bartlett, 2000; Oppenheimer, 2007	
570, 571	<i>Cucumis dipsaceus</i> Ehrenb. Ex Spach	new island (Moloka`i)	Wysong & Hughes, 2007	
572	<i>Momordica charantia</i> L.	new island (Midway)	Starr & Martz, 2000	
574	<i>Sicyos albus</i> (H. St. John) I. Telford	gender correction for <i>Sicyos alba</i>		
576, 577	<i>Sicyos hispidus</i> Hillebr.	range extension (West Maui)	Oppenheimer & Bartlett, 2002	

577	<i>Sicyos lasiocephalus</i> Skottsb.	new islands (Moloka`i, West Maui)	Herbst, 1998; Oppenheimer & Bartlett, 2000	
580, 581	<i>Sicyos lanceoloideus</i> (H. St. John) W. L. Wagner & D. R. Herbst	new species (O`ahu, Kaua`i)	Wagner & Shannon, 1999	provides a name for the species treated as “sp. A”; rare
580, 582	<i>Cuscuta campestris</i> Yunck.	new islands (Maui, Lana`i)	Oppenheimer, 2003; Starr et al., 2004	
582	<i>Cuscuta sandwichiana</i> Choisy	new island (Kaua`i)	Herbarium Pacificum Staff, 1997	
583	<i>Dillenia suffruticosa</i> (Griff.) Martelli	newly naturalized (O`ahu)	Sato, 1998	
583	<i>Scabiosa palaestrina</i> L.	newly naturalized (Hawai`i)	Herbst & Wagner, 1996	the name is here applied in a broad sense
590	<i>Leptecophylla tameiameiae</i> (Cham. & Schltdl.) C. M. Weiller	taxonomic change for <i>Styphelia tameiameiae</i>	Weiller, 1999	
592	<i>Erica lusitanica</i> Rudolphi	new state (East Maui)	Starr et al., 2008	
597	<i>Aleurites montana</i> (Lour.) E. H. Wilson	newly naturalized (Hawai`i)	Herbst, 1998	
598	<i>Aleurites moluccana</i> (L.) Willd. var. <i>katoi</i> O. Deg., I. Deg. & B. C. Stone	correction of authors of name	Herbst & Wagner, 1999	a synonym of <i>A. moluccana</i>
600	<i>Antidesma platyphyllum</i> H. Mann var. <i>platyphyllum</i>	new island (Kaua`i)	Herbarium Pacificum Staff, 1996	
601	<i>Antidesma pulvinatum</i> Hillebr.	new island (Lana`i)	Oppenheimer, 2010	
602	<i>Breynia disticha</i> J. R. Forst. & G. Forst.	newly naturalized (East Maui)	Lorence et al., 1995	
604	<i>Euphorbia albomarginata</i> (Torr. & A. Gray) Small	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
604	<i>Euphorbia arnottiana</i> Endl.	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
604	<i>Euphorbia atrococca</i> A. Heller	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>

605	<i>Euphorbia celastroides</i> Boiss. var. <i>amplectens</i> Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
605	<i>Euphorbia celastroides</i> Boiss. var. <i>celastroides</i>	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
605	<i>Euphorbia celastroides</i> Boiss. var. <i>hanapepensis</i> Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
605	<i>Euphorbia celastroides</i> Boiss. var. <i>kaenana</i> Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
605	<i>Euphorbia celastroides</i> Boiss. var. <i>laehiensis</i> O. Deg. I. Deg. & Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
605	<i>Euphorbia celastroides</i> Boiss. var. <i>lorifolia</i> (A. Gray) Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
605	<i>Euphorbia celastroides</i> Boiss. var. <i>stokesii</i> (C. N. Forbes) Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
605	<i>Euphorbia celastroides</i> Boiss. var. <i>tomentella</i> (Boiss.) Oudejans	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
606	<i>Euphorbia clusiifolia</i> Hook. & Arn.	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
607, 608	<i>Euphorbia degeneri</i> Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
607	<i>Euphorbia deppeana</i> Boiss.	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
607	<i>Euphorbia eleanoriae</i> (Lorence & W. L. Wagner) Govaerts	new species (Kaua`i); taxonomic change	Lorence & Wagner, 1996; Steinmann & Porter, 2002; Yang & Berry, 2011	slopes and cliffs N Kaua`i; rare; <i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>

607, 608	<i>Euphorbia halemanui</i> Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
609	<i>Euphorbia herbstii</i> (W. L. Wagner) Oudejans	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
609	<i>Euphorbia hirta</i> L.	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
608, 609	<i>Euphorbia hypericifolia</i> (L.)	new islands (Moloka`i, Lana`i); taxonomic change	Oppenheimer, 2003; Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
608, 610	<i>Euphorbia hyssopifolia</i> (L.)	new islands (Midway, Lana`i, Moloka`i); taxonomic change	Brueggemann, 1999; Herbarium Pacificum Staff, 1999; Oppenheimer; Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
610	<i>Euphorbia kuwaleana</i> O. Deg. & Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
610	<i>Euphorbia maculata</i> L.	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
611	<i>Euphorbia multiformis</i> Hook. & Arn. var. <i>microphylla</i> Boiss.	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
611, 612	<i>Euphorbia multiformis</i> Hook. & Arn. var. <i>multiformis</i>	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
611	<i>Euphorbia olowaluana</i> Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>

612, 613	<i>Euphorbia prostrata</i> Aiton	new islands (Moloka`i, Nihau); taxonomic change	Hughes, 1995; Wood, in press; Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
613	<i>Euphorbia remyi</i> A. Gray ex. Boiss. var. <i>hanaleiensis</i> Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
613	<i>Euphorbia remyi</i> A. Gray ex. Boiss. var. <i>kauaiensis</i> O. Deg & Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
613	<i>Euphorbia remyi</i> A. Gray ex. Boiss. var. <i>remyi</i>	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
612, 614	<i>Euphorbia rockii</i> C. N. Forbes	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
614	<i>Euphorbia serpens</i> Kunth	misidentification as Kaua`i plants referred to <i>C. albomarginata</i> ; new island (West Maui); taxonomic change	Wagner et al., 1997; Oppenheimer, 2003; Steinmann & Porter, 2002; Yang & Berry, 2011	those on O`ahu are <i>C.</i> <i>albomarginata</i> ; <i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
614	<i>Euphorbia</i> <i>skottsbergii</i> Sherff var. <i>skottsbergii</i>	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
614	<i>Euphorbia</i> <i>skottsbergii</i> Sherff var. <i>vaccinioides</i> Sherff	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
615	<i>Euphorbia sparsiflora</i> A. Heller	taxonomic change	Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>
615	<i>Euphorbia thymifolia</i> L.	new islands (Kaua`i, East Maui, Moloka`i, Lana`i) and range extension (West Maui); taxonomic change	Lorence et al., 1995; Oppenheimer & Bartlett, 2000; Oppenheimer, 2003; Steinmann & Porter, 2002; Yang & Berry, 2011	<i>Chamaesyce</i> not recognized as distinct from <i>Euphorbia</i>

618	<i>Croton guatemalensis</i> Lotsy	newly naturalized (East Maui)	Starr et al., 2004	
618	<i>Euphorbia cyathophora</i> Murray	new island (Hawai'i)	Parker and Parsons, 2010	
619	<i>Euphorbia peplus</i> L.	new island (Kaua'i); distribution correction (Kure)	Lorence et al., 1995; Starr et al., 2003; Herbst & Wagner, 1992	
620	<i>Euphorbia tirucalli</i> L.	newly naturalized (Kaua'i)	Lorence et al., 1995	
621	<i>Flueggea virosa</i> (Roxb. ex Willd.) Voigt	new state (East Maui)	Starr et al., 2004	
624	<i>Macaranga tanarius</i> (L.) Müll. Arg.	new islands (West Maui, Hawai'i)	Oppenheimer et al., 1999; Parker and Parsons, 2010	
625	<i>Omalanthus populifolius</i> R. C. Graham	newly naturalized (East Maui, Hawaii)	Oppenheimer, 2004	
627	<i>Phyllanthus debilis</i> Klein ex Willd.	new islands (Moloka'i and Lana'i)	Oppenheimer, 2003	
627	<i>Phyllanthus distichus</i> Hook. & Arn.	new synonyms: <i>Phyllanthus distichus</i> var. <i>degeneri</i> (Sherff) Govaerts & Radcl.-Sm.; <i>P. d.</i> var. <i>ellipticus</i> (Müll. Arg.) Govaerts & Radcl.-Sm.	Govaerts & Radcliffe-Smith, 1996	infraspecific combinations published in uncritical review of Hawaiian taxonomy of this species; not recognized by us
626, 628	<i>Phyllanthus tenellus</i> Roxb.	new islands (Lana'i, Maui; Hawai'i, Moloka'i)	Oppenheimer & Bartlett, 2002; Oppenheimer et al., 1999; Oppenheimer & Bartlett, 2000; Oppenheimer, 2007	
629	<i>Sauropus androgynus</i> (L.) Merr.		Frohlich & Lau, 2008	reported as newly naturalized on O'ahu, but appears to be only adventive
630	<i>Calopogonium galactioides</i> Benth. ex Hemsl.	newly naturalized (East Maui)	Starr et al., 2003	
640	<i>Acacia melanoxylon</i> R. Br. ex Aiton	new islands (Kaua'i, Moloka'i); range extension (West Maui)	Lorence et al., 1995; Meidell et al., 1998; Oppenheimer, 2010	

641	<i>Acacia aneura</i> F. Muell. ex Benth.	newly naturalized (Lana`i)	Wagner & Herbst, 1995	
639, 641	<i>Vachellia farnesiana</i> (L.) Wight & Arn.	new island (Lana`i); taxonomic change for <i>Acacia farnesiana</i> (L.) Willd.	Oppenheimer & Bartlett, 2002; Mabberley, 2008	
641	<i>Acacia auriculiformis</i> A. Cunn. ex Benth.		Frohlich & Lau, 2007	reported as newly naturalized on O`ahu, but appears to be only adventive
641	<i>Acacia catechu</i> (L.f.) Willd.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
641	<i>Acacia koaia</i> Hillebr.	resurrected from synonymy of <i>A. koa</i>		a paper treating this taxon as a subspecies was anticipated but never published; thus we here return to the available name for <i>A. koaia</i> at the species level; known from Kaua`i, Moloka`i, Lana`i, Maui, and Hawai`i, and perhaps O`ahu
642	<i>Acacia mangium</i> Willd.	newly naturalized (O`ahu)	Frohlich & Lau, 2008	
642	<i>Acacia mearnsii</i> De Wild.	new islands (Moloka`i, Kaho`olawe)	Hughes, 1995; Starr et al., 2006	
643	<i>Acacia retinodes</i> Schltdl.	newly naturalized (East Maui)	Starr & Starr, 2011	East Maui - adventive, not yet definitively naturalized
643	<i>Adenanthera pavonina</i> L.	newly naturalized (Kaua`i); new island (East Maui)	Wagner & Herbst, 1995; Starr & Starr, 2011	
643	<i>Aeschynomene paniculata</i> Willd. ex Vogel	new state (Moloka`i)	Hughes, 1995	
644	<i>Albizia chinensis</i> (Osbeck) Merr.	new island (Hawai`i)	Herbst, 1998	
644, 645	<i>Albizia lebbek</i> (L.) Benth.	new islands (West Maui, Moloka`i); range extension (East Maui)	Oppenheimer & Bartlett, 2002; Oppenheimer, 2007, 2008	
644	<i>Albizia saponaria</i> (Lour.) Blume ex Miq.	newly naturalized (Kaua`i)	Lorence et al., 1995	
644, 645	<i>Alysicarpus vaginalis</i> (L.) DC	new island (Moloka`i)	Oppenheimer, 2007	

646	<i>Bauhinia monandra</i> Kurz	newly naturalized (Hawai`i); new island (East Maui)	Lorence & Flynn, 1999; Starr & Starr, 2011	
647	<i>Caesalpinia bonduc</i> (L.) Roxb.	new islands (Laysan, Midway)	Staples et al., 2003; Starr et al., 2010	
647	<i>Caesalpinia crista</i> L.	newly naturalized (O`ahu)	Frohlich & Lau, 2008	
647	<i>Caesalpinia decapetala</i> (Roth) Alston	new island (Lana`i)	Starr et al., 2006	
647	<i>Mezoneuron kavaense</i> (H. Mann) Hillebr.	taxonomic change for <i>Caesalpinia kavaensis</i>	Bruneau et al., 2008; Lewis et al., 2005	
648	<i>Caesalpinia major</i> (Medik.) Dandy & Exell	new island (West Maui)	Herbst & Wagner, 1996	
649	<i>Calliandra houstoniana</i> (Mill.) Standl. var. <i>calothyrsa</i> (Meisn.) Barneby	newly naturalized (Lana`i); new island (East Maui)	Imada et al., 2008; Starr et al., 2010	
649	<i>Calliandra surinamensis</i> Benth.	newly naturalized (East Maui)	Starr & Starr, 2011	
651, 652	<i>Canavalia galeata</i> (Gaudich.) Vogel		Wysong & Hughes, 2007	a new island record reported for Moloka`i was re-examined and determined as <i>Canavalia molokaiensis</i> by W.L. Wagner
654	<i>Canavalia sericea</i> A. Gray	new islands (Kaua`i, Hawai`i) and range extension (West Maui)	Wagner & Herbst, 1995; Oppenheimer & Bartlett, 2002; Oppenheimer, 2003	
655	<i>Cassia javanica</i> L. var. <i>indochinensis</i> Gagnepain	newly naturalized (West Maui)	Starr & Starr, 2011	
655	<i>Centrosema molle</i> Mart. ex Benth.	taxonomic change for <i>C. pubescens</i> Benth; and newly naturalized (Kaua`i); new islands (East Maui, O`ahu)	Fantz, 1996; Flynn & Lorence, 1998; Starr et al., 2003; Imada et al., 2008	
655	<i>Chamaecrista nictitans</i> (L.) Moench var. <i>glabrata</i> (DC. ex Collad.) H. S. Irwin & Barneby	new island (Moloka`i)	Hughes, 1995	

656	<i>Clitoria heterophylla</i> Lam.	new state (Hawai`i)	Staples et al., 2002
656	<i>Clitoria ternatea</i> L.	new islands (West Maui, Lana`i)	Oppenheimer & Bartlett, 2000; Starr et al., 2010
657, 659	<i>Crotalaria assamica</i> Benth.	new islands (Maui, Moloka`i)	Starr et al., 2002, 2006
658	<i>Crotalaria brevidens</i> Benth.	range extension (West Maui)	Oppenheimer, 2003
659, 660	<i>Crotalaria incana</i> L.	new island (Moloka`i)	Hughes, 1995
660	<i>Crotalaria juncea</i> L.	newly naturalized (O`ahu, Hawai`i); new island (East Maui)	Wagner et al., 1997; Staples et al., 2003
660	<i>Crotalaria lanceolata</i> E. Mey	new island (East Maui, O`ahu)	Oppenheimer, 2004; Imada, 2007
661	<i>Crotalaria pallid</i> Aiton	new island (Ni`ihau)	Wood, 2007
662	<i>Crotalaria pumila</i> Ortega	range extension (West Maui)	Oppenheimer & Bartlett, 2000
663	<i>Crotalaria verrucosa</i> L.	new state (O`ahu)	Wagner & Herbst, 1995
663	<i>Crotalaria trichotoma</i> Bojer	new state (East Maui)	Starr et al., 2006
663	<i>Cytisus palmensis</i> (H. Christ) Hutch.	new island (Hawai`i)	Staples et al., 2002
664	<i>Dalea emarginata</i> (Torr. & A. Gray) Shinnars	new state (O`ahu)	Herbarium Pacificum Staff, 1996
665, 673	<i>Desmanthus pernambucanus</i> (L.) Thell.	taxonomic change for <i>D. virgatus</i> ; new island (Lana`i)	Wagner & Herbst, 1995; Oppenheimer, 2003
666	<i>Desmodium barbatum</i> (L.) Benth & Oerst.	new state (Moloka`i)	Oppenheimer, 2010
667	<i>Desmodium heterophyllum</i> (Willd.) DC.	new state (Moloka`i, East Maui) and new islands (Hawai`i, West Maui)	Wagner & Herbst, 1995; Herbst & Wagner, 1999; Oppenheimer, 2003
667, 668	<i>Desmodium incanum</i> DC.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003
667	<i>Desmodium intortum</i> (Mill.) Urb.	new island (O`ahu, Kaua`i) and range extension (O`ahu)	Herbarium Pacificum Staff, 1998; Imada et al., 2000; Staples et al., 2003

669	<i>Desmodium tortuosum</i> (Sw.) DC.	new island (Moloka`i)	Hughes, 1995	
672	<i>Flemingia strobilifera</i> (L.) Aiton & W. T. Aiton	new state (East Maui)	Lorence et al., 1995	
652, 674	<i>Neonotonia wightii</i> (Wight & Arn.) Lackey	new islands (Kaua`i, Moloka`i, Lana`i); taxonomic change for <i>Glycine wightii</i>	Hughes, 1995; Herbarium Pacificum Staff, 1996; Oppenheimer, 2007	
675	<i>Indigofera spicata</i> Forssk.	Based on Du Puy paper we adopted <i>Indigofera hendecaphylla</i> Jacq. as the correct name, but new examination of specimens and subsequent confirmation by Peter Wilson (NSW) and Brian Schrire (K) it appears that the Hawaiian plants are actually <i>Indigofera spicata</i> ; and new islands (Hawai`i, Moloka`i, Lana`i, Midway)	DuPuy et al., 1993; Starr et al., 2002, 2010; Oppenheimer, 2003; Herbst et al., 2004	
676	<i>Indigofera suffruticosa</i> Mill.	new island (Moloka`i)	Hughes, 1995	
676	<i>Inga sertulifera</i> DC. subsp. <i>leptopus</i> (Benth.) T. D. Penn	newly naturalized (Kawa`i)	Lorence & Flynn, 2006	
676	<i>Kanaloa kahoolawensis</i> Lorence & K. R. Wood	new endemic genus and species	Lorence & Wood, 1994	known from 2 plants on extreme site on Kaho`olawe, but once more widespread on at least O`ahu and Maui based on fossil pollen record
678	<i>Lathyrus latifolius</i> L.	range extension (East Maui: Kula)	Starr et al., 2002	
679	<i>Kummerowia striata</i> (Thunb.) Schindl.	taxonomic change for <i>Lespedeza striata</i> (Thunb.) Hook. & Arn.; new island (West Maui)	Staples et al., 2002; Oppenheimer, 2003	
679	<i>Leucaena diversifolia</i> (Schltdl.) Benth.	newly naturalized (East Maui)	Starr et al., 2008	

680	<i>Leucaena</i> × <i>spontanea</i> C. E. Hughes	newly naturalized (East Maui)	Oppenheimer, 2004
681	<i>Lotus uliginosus</i> Schkuhr	new island (Kaua`i)	Lorence et al., 1995
682	<i>Lupinus arboreus</i> Sims	new state (Hawai`i)	Staples et al., 2002
682	<i>Macroptilium</i> <i>atropupureum</i> (DC.) Urb.	new islands (Moloka`i, Kaua`i, Lana`i, Kaho`olawe)	Oppenheimer, 2003, 2008; Lorence & Flynn, 2006; Starr & Starr, 2011
677, 683	<i>Macroptilium</i> <i>lathyroides</i> (L.) Urb.	new island (Moloka`i)	Herbarium Pacificum Staff, 1996; Shannon & Wagner, 1996
683	<i>Macrotyloma axillare</i> (E. Mey.) Verdc. var. <i>glabrum</i> (E. Mey.) Verdc.	new state (O`ahu)	Staples et al., 2003
684	<i>Medicago lupulina</i> L.	new island (Kaua`i)	Lorence et al., 1995
684	<i>Medicago minima</i> (L.) Bartal.	new island (Kaua`i)	Wagner & Herbst, 1995
684	<i>Medicago</i> <i>polymorpha</i> L.	new islands (Midway, Moloka`i)	Shannon & Wagner, 1996; Brueggmann, 1999
684	<i>Medicago rugosa</i> Desr.	new islands (Kaua`i, West Maui, Moloka`i, Lana`i)	Lorence & Flynn, 1997; Oppeneheimer & Bartlett, 2002; Oppenheimer, 2007
686	<i>Medicago sativa</i> L.	new islands (Kaua`i, East Maui, Moloka`i) and range extension (West Maui)	Wagner & Herbst, 1995; Wagner et al., 1997; Oppenheimer et al., 1999; Oppenheimer, 2003
686	<i>Melilotus alba</i> Medik.	new islands (Moloka`i, Maui)	Wagner & Herbst, 1995; Shannon & Wagner, 1996; Oppenheimer, 2004

685, 688	<i>Mimosa pudica</i> L. subsp. <i>unijuga</i> (Duchass. & Walp.) Griseb.	new islands (Moloka`i, Ni`ihau)	Oppenheimer, 2003; Imada, 2007	
688	<i>Mucuna gigantea</i> (Willd.) DC. subsp. <i>gigantea</i>	taxonomic change (subsp. designation)	Wilmot-Dear, 1990; Wagner & Herbst, 1995	
689	<i>Mucuna sloanei</i> Fawc. & Rendle var. <i>sloanei</i> ; and <i>M. s.</i> var. <i>persericea</i> Wilmot- Dear	misidentification as <i>M. urens</i>	Wilmot-Dear, 1990; Wagner & Herbst, 1995	two varieties are recognized: indigenous var. <i>sloanei</i> on Kaua`i, O`ahu, Maui, and Hawai`i; and endemic var. <i>persericea</i> on East Maui from Makawao to Wailua Iki
690	<i>Paraserianthes</i> <i>lophantha</i> (Willd.) I. Nielsen subsp. <i>montana</i> (Jungh.) I. Nielsen	newly naturalized (East Maui)	Oppenheimer and Bartlett, 2002	
690	<i>Falcataria moluccana</i> (Miq.) Barneby & Grimes	taxonomic change for <i>Paraserianthes</i> <i>falcataria</i> ; new island (West Maui, Lana`i); range extension (East Maui)	Herbarium Pacificum Staff, 1998; Oppenheimer & Bartlett, 2002; Starr et al., 2003; Oppenheimer, 2007	segregate genus from <i>Albizia</i> ; <i>A. falcataria</i> a synonym
691	<i>Pithecellobium dulce</i> (Roxb.) Benth.	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
692	<i>Platymiscium</i> <i>stipulare</i> Benth.		Frohlich & Lau, 2008	reported as newly naturalized on O`ahu, but appears to be only adventive
692	<i>Prosopis juliflora</i> (Sw.) DC.	new islands (Kaua`i, Lana`i)	Imada et al., 2000; Oppenheimer, 2007	
692	<i>Prosopis pallida</i> (Humb. & Bonpl. ex Willd.) Kunth	new islands (Moloka`i, Ni`ihau)	Hughes, 1995; Wood & LeGrande, 2006	
693	<i>Pueraria montana</i> (Lour.) Merr. var. <i>lobata</i> (Willd.) Maesen & S. M. Almeida	taxonomic name change for <i>P. lobata</i> var. <i>lobata</i>	Wiersema et al., 1990	
693	<i>Pueraria montana</i> (Lour.) Merr. var. <i>chinensis</i> (Owhi) Maesen & S. M. Almeida	taxonomic name change for <i>P. lobata</i> var. <i>thomsoni</i>	Wiersema et al., 1990; Staples et al., 2002	

695	<i>Pueraria phaseoloides</i> (Roxb.) Benth.	new state (O`ahu)	Frohlich & Lau, 2008	
696	<i>Samanea saman</i> (Jacq.) Merr.	new islands (Kaua`i, West Maui, Moloka`i)	Lorence et al., 1995; Oppenheimer & Bartlett, 2002; Oppenheimer, 2007	
697	<i>Senna multijuga</i> (L. C. Rich.) H. S. Irwin & Barneby var. <i>multijuga</i>	newly naturalized (Kaua`i)	Herbarium Pacificum Staff, 1998	
698	<i>Senna alata</i> (L.) Roxb.	new islands (West Maui, Lana`i, Moloka`i); range extension (East Maui)	Oppenheimer & Bartlett, 2000; Starr et al., 2003; Oppenheimer, 2007; Wysong & Hughes, 2007	
699	<i>Senna gaudichaudii</i> (Hook. & Arn.) H. S. Irwin & Barneby	new island (Kaho`olawe)	Wagner et al., 1997	
700	<i>Senna obtusifolia</i> (L.) H. S. Irwin & Barneby	new islands (O`ahu, Lana`i)	Staples et al., 2003; Oppenheimer, 2011	
700	<i>Senna occidentalis</i> (L.) Link	range extension (West Maui); new island (Moloka`i)	Oppenheimer et al., 1999; Oppenheimer, 2003	
701	<i>Senna septemtrionalis</i> (Viv.) H. S. Irwin & Barneby	new islands (Lana`i, Hawai`i)	Wagner & Herbst, 1995; Herbarium Pacificum Staff, 1996	
702	<i>Senna surattensis</i> (Burm. f.) H. S. Irwin & Barneby	new islands (Moloka`i, Lana`i)	Staples et al., 2002; Oppenheimer, 2007	
708	<i>Stylosanthes guianensis</i> (Aubl.) Sw. var. <i>guianensis</i>	new state (Kaua`i, Moloka`i)	Herbst et al., 2004	re-examination of Hawaiian material showed 3 species, one with two varieties, and none of them <i>S. fruticosa</i>
708	<i>Stylosanthes guianensis</i> (Aubl.) Sw. var. <i>intermedia</i> (Vogel) Hassler	new state (Moloka`i)	Herbst et al., 2004	see note under <i>S. guianensis</i> var. <i>guianensis</i>

708	<i>Stylosanthes scabra</i> Vogel	taxonomic change and new state (O`ahu, Moloka`i, Lana`i, Maui), new island (Hawai`i)	Herbst et al., 2004; Kennedy, 2010	see note under <i>S.</i> <i>guianensis</i>
708	<i>Stylosanthes viscosa</i> Sw.	new state (O`ahu, Maui)	Herbst et al., 2004	see note under <i>S.</i> <i>guianensis</i>
708	<i>Tamarindus indica</i> L.	newly naturalized (Moloka`i)	Wysong & Hughes, 2007	
710	<i>Tephrosia candida</i> Roxb. ex DC.	newly naturalized (West Maui)	Oppenheimer & Bartlett, 2000	
712	<i>Trifolium campestre</i> Schreb.	new state (East Maui)	Starr & Starr, 2011	
712	<i>Trifolium dubium</i> Sibth.	new island (Kaua`i)	Lorence et al., 1995	
713,	<i>Trifolium repens</i> L.	new island (Lana`i)	Oppenheimer, 2008	
714	var. <i>repens</i>			
715	<i>Ulex europaeus</i> L.	new island (Moloka`i)	Conant, 1996	
717	<i>Vicia sativa</i> L. subsp. <i>nigra</i> (L.) Ehrh.	new island (Kaua`i)	Wood, 2007	
720	<i>Vigna hosei</i> (Craib) Backer	new state (O`ahu)	Staples et al., 2006	
720	<i>Vigna luteola</i> (Jacq.) Benth.	new state (O`ahu)	Staples et al., 2003	
721	<i>Vigna speciosa</i> (Kunth) Verdc.	newly naturalized (O`ahu), new island (Kaua`i, Maui)	Herbst, 1998	
721	<i>Vigna vexillata</i> (L.) A. Rich.	new state (Kaua`i)	Wagner, unpubl.	based on images taken on the grounds of NTBG in 2002 that were misidentified as <i>Centrosema</i> ; subsequently, a voucher (Lorence 9071) was made for proper identification by James Lackey.
721	<i>Zornia gemella</i> (Willd.) Vog.	new state (O`ahu); new island (Moloka`i)	Staples et al., 2006; Oppenheimer, 2008	
721	<i>Zornia reticulata</i> J. E. Smith	new state (East Maui)	Starr et al., 2006	tentative identification by Staples & Herbst should be confirmed
721	<i>Quercus suber</i> L.	newly naturalized (Hawai`i)	Herbst & Wagner, 1996	
722	<i>Dovyalis hebecarpa</i> (G. Gardn.) Warb.	newly naturalized (Hawai`i)	Herbst, 1998	

722	<i>Xylosma hawaiiense</i> Seem.	new synonym: <i>Drypetes sherffii</i> Govaerts & Radcl.-Sm.	Govaerts & Radcliffe-Smith, 1996	new name published for a later homonym in an uncritical review of names in Euphorbiaceae; the holotype is this species of Flacourtiaceae
725	<i>Schenkia sebaeoides</i> Griseb.	new island (Lana`i); taxonomic change for <i>Centaurium sebaeoides</i>	Wagner & Herbst, 1995; Mansion, 2004; Mansion & Struwe, 2004	
727	<i>Erodium</i> sp.	state (Moloka`i)	Hughes, 1995	an as yet unidentified species
732	<i>Geranium hillebrandii</i> Aedo & Muñoz Garm.	nomenclatural change for <i>G. humile</i> Hillebr. (1888) non Cav. (1782)	Aedo & Muñoz Garmendia, 1997	
734	<i>Geranium pusillum</i> L.	author correction	Aedo, 1998	
735	<i>Pelargonium capitatum</i> (L.) L'Her. ex Aiton	new state (East Maui)	Starr et al., 2008	
735	<i>Cyrtandra</i>	taxonomic note	Cronk et al., 2005; Clark et al. 2008, 2009	all Hawaiian <i>Cyrtandra</i> from the same same colonization
751	<i>Cyrtandra heinrichii</i> H. St. John	new status for taxon treated as <i>C. confertiflora</i> var. <i>obovata</i>	St. John, 1987b; Wagner et al., unpubl.	previously known only from the type, it is now known from "Blue Hole," N fork of Wailua River, Namolokama Mt., upper Hanakoa Stream, upper Hanakapi`ai Valley, Kekoiki
752	<i>Cyrtandra cyaneoides</i> Rock	rediscovery (Kaua`i)	Lorence et al., 1995	
753	<i>Cyrtandra ferripilosa</i> H. St. John	new species (East Maui)	St. John, 1987b; Wagner et al., unpubl.	closely related and higher elevation replacement for, <i>C. grayi</i> in Kipahulu Valley, East Maui; known from a few specimens; rare
755	<i>Cyrtandra gracilis</i> Hillebr. ex C. B. Clarke	rediscovery (O`ahu)	Wagner et al., unpubl.	extant in upper Pai Gulch, Ko`olau Mountains <i>Perlman et al. 17736</i> (BISH, MO, NY, PYBG, US)

762	<i>Cyrtandra wainihaensis</i> H. Lév.	resurrected from synonymy of <i>C. kauaiensis</i>	Wagner et al., unpubl.	grows in NE Kaua`i at lower elevations than the related <i>C. kauaiensis</i> as indicated by T. Flynn (pers. comm., long ago)
761, 763, 766	<i>Cyrtandra kealiae</i> Wawra subsp. <i>kealiae</i> ; and subsp. <i>urceolata</i> W. L. Wagner & Lorence	taxonomic change, new status for <i>C. kealiae</i> (= subsp. <i>urceolata</i>) and <i>C. limahuliensis</i> (= subsp. <i>kealiae</i>)	Wagner & Lorence, 2000	as Flynn (pers. comm., long ago) indicated the type of <i>C. kealiae</i> was collected from within the range of <i>C. limahuliensis</i> and study shows it is this taxon, leaving the taxon known as <i>C. kealiae</i> unnamed
768, 769 770	<i>Cyrtandra macrocalyx</i> Hillebr. <i>Cyrtandra nanawalensis</i> H. St. John	new island (West Maui) new species (Hawai`i)	Oppenheimer, 2010 St. John, 1987b; Wagner et al., unpubl.	closely related to <i>C. lysiosepala</i> but grows in Puna Dist. at lower elevations (20–600 m); rare
771	<i>Cyrtandra paliku</i> W. L. Wagner & K. R. Wood	new species (Kaua`i)	Wagner, Wood, & Lorence, 2001	known only from Makaleha Mts. and related to <i>C. oenobarba</i> ; rare
780 786	<i>Cyrtandra wagneri</i> Lorence & Perlman <i>Scaevola hobdyi</i> W. L. Wagner	new species (Hawai`i) new species (West Maui)	Lorence & Perlman, 2007 Wagner, 1996	one collection on `Eke Trail and apparently extinct; separate colonization presumably directly from Australia
787, 788	<i>Scaevola taccada</i> (Gaertn.) Roxb.	nomenclatural name change	Shannon et al., 1997	new rule in ICBN St. Louis, 33.2 & Ex. 3 makes proposal unnecessary
789	<i>Brexia madagascariensis</i> Thouars ex Ker Gawl.	newly naturalized (East Maui); new island (O`ahu); range extension (West Maui)	Starr et al., 2003; Frohlich & Lau, 2010; Starr & Starr, 2011	
790	<i>Gunnera petaloidea</i> Gaud.	new island (Kaua`i)	Wood, 2006	
791	<i>Gonocarpus chinensis</i> (Lour.) Orchard subsp. <i>verrucosus</i> (Maiden & E. Betcher) Orchard	new island (Kaua`i)	Lorence et al., 1995	

795	<i>Philadelphus karwinskyanus</i> Koehne	newly naturalized (Kaua`i) and new island (East Maui)	Lorence et al., 1995; Starr et al., 2002	
802	<i>Hyptis capitata</i> Jacq.	new state (O`ahu)	Wagner & Herbst, 1995	
800, 802	<i>Hyptis pectinata</i> (L.) Poit.	new islands (Lana`i, Moloka`i)	Oppenheimer, 2007; Wysong & Hughes, 2007	
802	<i>Hyptis suaveolens</i> (L.) Poit.	new islands (O`ahu, East Maui, Moloka`i)	Wagner & Herbst, 1995; Starr et al., 2006; Oppenheimer, 2008	
802	<i>Hyptis verticillata</i> Jacq.	new state (East Maui)	Starr & Starr, 2011	
800, 802	<i>Lamium amplexicaule</i> L.	new island (Moloka`i)	Wysong & Hughes, 2007	
800, 803	<i>Leonotis nepetifolia</i> (L.) R. Br.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003, 2010	
803	<i>Leonurus japonicus</i> Houtt.	misidentification as <i>Leonurus sibiricus</i> ; new island (Moloka`i)	Harley & Paton, 2001; Staples et al., 2003; Wysong & Hughes, 2007	
807	<i>Mentha suaveolens</i> Ehrh.	reidentification	Staples et al., 2003	R. Harley (K) determined vouchers were misidentified as <i>M. ×villosa</i> .
808, 809	<i>Ocimum basilicum</i> L.	new island (Lana`i)	Oppenheimer, 2010	
808	<i>Ocimum gratissimum</i> L.	new island (Kaua`i)	Lorence et al., 1995	
813	<i>Phyllostegia ambigua</i> (A. Gray) Hillebr.	new island (Moloka`i)	Wood, 2006	
814	<i>Phyllostegia bracteata</i> Sherff	rediscovery of West Maui population	Oppenheimer, 2004	
814	<i>Phyllostegia brevidens</i> A. Gray	rediscovery and new island (East Maui)	Wagner, 1999a	Kipahulu Valley only on Maui; also rediscovered on Hawai`i
816	<i>Phyllostegia glabra</i> (Gaudich.) Benth. var. <i>glabra</i>	range extension (West Maui)	Oppenheimer et al., 1999	

816	<i>Phyllostegia helleri</i> Sherff	misidentification; rediscovery (Kaua`i)	Wagner, 1999a; Wood, 2006	many collections of <i>P. electra</i> lacking glandular hairs were misidentified during the 1990's as <i>P. helleri</i> ; it had not been collected since 1916, but was rediscovered in Wainiha Valley
816	<i>Phyllostegia kaalaensis</i> H. St. John	new species (O`ahu)	St. John, 1987c; Wagner, 1999a	briefly characterized in note under <i>P. glabra</i> ; from Wai`anae Mts.; listed endangered (E*)
816	<i>Phyllostegia kahiliensis</i> H. St. John	new species (Kaua`i)	St. John, 1987c; Wagner, 1999a	briefly characterized in note under <i>P. helleri</i> ; from Wahiawa Mts.; rare
819	<i>Phyllostegia knudsenii</i> Hillebr.	rediscovery (Kaua`i); possibly extinct	Lorence et al., 1995; Wagner, 1999a; Wood, in press	
821	<i>Phyllostegia micrantha</i> H. St. John	new species (O`ahu)	St. John, 1987c; Wagner, 1999a	one collection in Wai`anae Mts.; extinct
821	<i>Phyllostegia haliakalae</i> Wawra	resurrection from synonymy of <i>P. mollis</i> ; <i>P. imminuta</i> (Sherff) H. St. John new synonym; rediscovery (East Maui)	Wagner, 1999a; Oppenheimer, 2011	known from Moloka`i, East Maui, and Lana`i; examination of type showed it to be same as <i>P. imminuta</i> ; presumed extinct, not collected in 70 years
821	<i>Phyllostegia parviflora</i> (Gaudich.) Benth. var. <i>lydgatei</i> (Sherff) W. L. Wagner	resurrection of <i>P. mollis</i> var. <i>lydgatei</i> from synonymy of <i>P. parviflora</i> and new combination	Wagner, 1999b	Wa`ainae Mts. variety discussed in note on p. 822
822	<i>Phyllostegia pilosa</i> H. St. John	new species (Moloka`i, East Maui)	Wagner, 1999a	this species was included in <i>P. mollis</i> (which is restricted to O`ahu) and recently, including Wagner and Herbst, 1999, incorrectly treated as <i>P. haliakalae</i>
823	<i>Phyllostegia renovans</i> W. L. Wagner	new species (Kaua`i)	Wagner, 1999b	rare
825	<i>Phyllostegia waimeae</i> Wawra	rediscovery (Kaua`i)	Wood, 2007	
826	<i>Phyllostegia wawrana</i> Sherff	rediscovery (Kaua`i)	Lorence et al., 1995; Wagner, 1999a	

827	<i>Plectranthus cylindraceus</i> Benth.	newly naturalized (Hawai`i)	Parker and Parsons, 2010	
828	<i>Plectranthus prostratus</i> Gürke	newly naturalized (O`ahu)	Staples et al., 2002	
828	<i>Plectranthus verticillatus</i> (L.f.) Druce	newly naturalized (East Maui, O`ahu)	Starr et al., 2004	
828	<i>Plectranthus scutellarioides</i> (L.) R. Br.	taxonomic change for <i>Solenostemon scutellarioides</i> (L.) Codd	literature cited on p. 827; Grayer et al., 2010.	
829	<i>Salvia coccinea</i> Etl.	new island (Kaua`i)	Lorence et al., 1995	
838	<i>Stenogyne kaalae</i> Wawra subsp. <i>sherffii</i> (O. Deg.) W. L. Wagner & Weller	resurrection from synonymy of <i>S. kaalae</i> and new combination made	Wagner & Weller, 1999	
839	<i>Stenogyne kauaulaensis</i> K.R. Wood & H. Oppenheimer	new species (Maui)	Wood & Oppenheimer, 2008	
841	<i>Stenogyne kealiae</i> Wawra	resurrection from synonymy of <i>S. purpurea</i>	Wagner & Weller, 1991	
844, 845	<i>Cassytha filiformis</i> L.	new island (Kure)	Starr et al., 2003	
845, 846	<i>Cinnamomum burmanni</i> (Nees) Blume	new islands (Kaua`i, Maui, Hawai`i, Lana`i), and corrected spelling under Art 60.11 and 60C.2 of the ICBN	Wagner & Herbst, 1995; Meidell et al., 1997; Wagner et al., 1997; D. H. Nicolson, pers. comm., 1998; Starr et al., 2004; Oppenheimer, 2007	
846	<i>Cinnamomum verum</i> J. Presl	new island (Hawai`i)	Imada et al., 2000	
847	<i>Persea americana</i> Mill.	new island (Lana`i)	Oppenheimer, 2010	
850	<i>Linum bienne</i> Mill.	new islands (Kaua`i, Hawai`i)	Oppenheimer, 2004; Starr et al., 2006	
860	<i>Labordia lorenciana</i>	new species (Kaua`i)	Wood et al., 2007	Kawai`iki Valley only, rare
861	<i>Labordia triflora</i> Hillebr.	resurrection from synonymy of <i>L. tinifolia</i> var. <i>lanaiensis</i>	Motley, 1995	SE Moloka`i only extant population; <i>L. tinifolia</i> var. <i>lanaiensis</i> does not occur on Moloka`i

862	<i>Labordia waialealae</i> Wawra	new island ? (Moloka'i)	Staples et al., 2003	overlooked specimen of <i>Faurie 452</i> , possibly mislabeled as Moloka'i; field conformation needed
865	<i>Ammannia coccinea</i> Rottb.	misidentification as <i>A.</i> <i>auriculata</i>	S. Graham, pers. comm, 1996; see also Graham, 1985	<i>A. auriculata</i> does not occur in Hawaiian Isl.
865, 867	<i>Cuphea carthagenesis</i> (Jacq.) J. Macbr.	new island (Lana'i)	Oppenheimer & Bartlett, 2002	
866	<i>Cuphea hyssopifolia</i> Kunth	new islands (East Maui, O'ahu)	Imada, 2007; Oppenheimer, 2011	
868	<i>Lythrum maritimum</i> Kunth	distribution status change to naturalized	S. Graham, pers. comm., 1996	
868	<i>Hiptage benghalensis</i> (L.) Kurz	newly naturalized (Kaua'i)	Lorence & Flynn, 2006	
870	<i>Abelmoschus</i> <i>moschatus</i> Medik.	possible taxonomic change	Pfeil et al., 2002	recent molecular studies suggest that <i>Abelmoschus</i> is nested within <i>Hibiscus</i> and may need to be recognized as a part of <i>Hibiscus</i>
873	<i>Abutilon menziesii</i> Seem.	new island (O'ahu); range extension (West Maui)	Herbarium Pacificum Staff, 1999; Oppenheimer, 2011	uncertain whether growing naturally or intentionally planted
876	<i>Gossypium hirsutum</i> L.	new island (East Maui)	Starr et al., 2002	
875	<i>Bastardia viscosa</i> (L.) Kunth	new state (Hawai'i)	Staples et al., 2002	
877	<i>Heritiera littoralis</i> Dryand.	newly naturalized (Kaua'i)	Lorence & Flynn, 2006	
883	<i>Hibiscus</i> <i>brackenridgei</i> A. Gray subsp. <i>molokaiana</i> (Rock ex Caum) F. D. Wilson	resurrection from synonymy of <i>H.</i> <i>brackenridgei</i> subsp. <i>brackenridgei</i> and new combination made	Wilson, 1993	
884	<i>Hibiscus ovalifolius</i> (Forssk.) Vahl	taxonomic change for <i>H. calyphyllus</i> Cav.	Staples et al., 2003	
887	<i>Hibiscus makinoi</i> Jotani & Ohba		Frohlich & Lau, 2008	reported as newly naturalized on O'ahu, but appears to be only adventive

886, 888	<i>Hibiscus tiliaceus</i> L.	new synonym <i>Talipariti tiliaceum</i> (L.) Fryxell	Pfeil et al., 2002	Fryxell, 2001 segregates <i>Talipariti tiliaceum</i> and 21 other species as distinct from <i>Hibiscus</i> but recent molecular phylogenetic results by Pfeil et al. suggest <i>Talipariti</i> is nested within <i>Hibiscus</i> and should be maintained there unless <i>Hibiscus</i> is split into multiple genera
889	<i>Hibiscadelphus woodii</i> Lorence & W. L. Wagner	new species (Kaua`i); possible extinct	Lorence & Wagner, 1995; Wood, in press	Kalalau Valley, 4 individuals, none reproducing; listed endangered (E*)
893	<i>Malva neglecta</i> Wallr.	new state (East Maui)	Herbarium Pacificum staff, 1998	
893	<i>Malva parviflora</i> L.	new island (Midway Atoll, Sand Island)	Starr et al., 2004	
894	<i>Malvastrum americanum</i> (L.) Torr.	new island (Moloka`i)	Starr et al., 2008	
895	<i>Malvaviscus penduliflorus</i> DC.	possible taxonomic change; new island (Moloka`i, O`ahu)	Pfeil et al., 2002; Oppenheimer, 2007, 2011	recent molecular studies suggest that <i>Malvaviscus</i> is nested within <i>Hibiscus</i> and may need to be recognized as a part of <i>Hibiscus</i>
897	<i>Sida ciliaris</i> L.	new state (O`ahu) and new islands (Maui, Kaua`i, Kaho`olawe, Lana`i, Moloka`i)	Wagner et al., 1997; Oppenheimer & Bartlett, 2000; Staples et al., 2003; Starr et al., 2004, 2006; Oppenheimer, 2007, 2008	
897	<i>Sida cordifolia</i> L.	new islands (Kaua`i, O`ahu, Moloka`i, Lana`i); range extension (West Maui)	Lorence et al., 1995; Herbst et al., 2004; Oppenheimer, 2007	
898	<i>Sida rhombifolia</i> L.	new island (Midway)	Starr & Martz, 2000	

899	<i>Sida spinosa</i> L.	new islands (Kaua`i, Lana`i, West Maui, Moloka`i)	Lorence & Flynn, 1997; Staples et al., 2002; Oppenheimer et al., 1999; Oppenheimer, 2007	
899	<i>Sida urens</i> L.	new island (East Maui); range extension (West Maui)	Starr et al., 2002; Oppenheimer, 2007	
901	<i>Sidastrum micranthum</i> (St. Hil.) Fryxell	new islands (East Maui, Kaua`i, Moloka`i, Lana`i)	Starr et al., 2003; Lorence & Flynn, 2006; Oppenheimer, 2007, 2008	
901	<i>Sidastrum paniculatum</i> (L.) Fryxell	new island (Lana`i)	Oppenheimer, 2011	
900, 902	<i>Thespesia populnea</i> (L.) Sol. Ex Corrêa	new island (Lana`i)	Oppenheimer, 2007	
903	<i>Miconia calvenscens</i> DC.	newly naturalized (Kaua`i, O`ahu, East Maui, Hawai`i); intransland range extension (O`ahu)	Conant, 1996; Medeiros et al., 1997; Conant, 1998	extremely serious invasive species; populations eradicated as possible
905	<i>Arthrostemma</i> Pav. ex D. Don	spelling correction	Imada et al., 2000	
906	<i>Clidemia hirta</i> (L.) D. Don var. <i>hirta</i>	new island (Lana`i)	Oppenheimer, 2007	
907	<i>Dissotis rotundifolia</i> (Sm.) Triana	new island (Kaua`i)	Herbarium Pacificum Staff, 1996	
909	<i>Medinilla cumingii</i> Naudin	newly naturalized (East Maui); new islands (O`ahu, Hawai`i)	Oppenheimer, 2004; Frohlich & Lau, 2010; Parker and Parsons, 2010	
909	<i>Medinilla heterophylla</i> A. Gray	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
909	<i>Medinilla magnifica</i> Lindl.	newly naturalized (O`ahu); new island (Hawai`i)	Frohlich & Lau, 2007; Parker and Parsons, 2010	
908, 910	<i>Melastoma septemnerivium</i> Lour.	new island (O`ahu); range extension (O`ahu); taxonomic change for <i>Melastoma candidum</i> D. Don	Conant, 1996 & 1998; Staples et al., 2003	intransland range extension
912	<i>Oxyspora paniculata</i> (D. Don) DC.	range extension (O`ahu)	Nagata, 1995	

912	<i>Pterolepis glomerata</i> (Rottb.) Miq.	new islands (Moloka`i, Kaua`i)	Hughes, 1995; Wood, 2006	
915	<i>Tibouchina herbacea</i> (DC.) Cogn.	new islands (Lana`i, Moloka`i)	Herbarium Pacificum Staff, 1999; Frohlich & Lau, 2007; Wysong & Hughes, 2007 Starr et al., 2006	reported from O`ahu, but does not yet appear to be definitively naturalized as plants removed after collection
918	<i>Cedrela odorata</i> L.	newly naturalized (East Maui)		
918	<i>Melia azedarach</i> L.	new island (Moloka`i)	Hughes, 1995	
918	<i>Sandoricum koetjape</i> (Burm.f.) Merr.	newly naturalized (Maui)	Starr et al., 2004	
920	<i>Swietenia macrophylla</i> King	newly naturalized (O`ahu, West Maui)	Meidell et al., 1998	
920	<i>Toona ciliata</i> Roem.	taxonomic change: <i>T. c.</i> var. <i>australis</i> not recognized; new island (Moloka`i)	Mabberley et al., 1995; Oppenheimer, 2007	
919, 921	<i>Cocculus orbiculatus</i> (L.) DC.	taxonomic change for <i>C. trilobus</i>	Wagner & Herbst, 1995	
922	<i>Mollugo cerviana</i> (L.) Ser.	new islands (O`ahu, Lana`i)	Herbst et al., 2004; Imada et al., 2008	
924	<i>Fatoua villosa</i> (Thunb.) Nakai	new state (O`ahu)	Wagner & Herbst, 1995	
924, 925	<i>Ficus microcarpa</i> L. f.	new islands (Midway, Kaua`i, Moloka`i, Lana`i)	Starr et al., 2002; Hughes, 1995; Lorence et al., 1995; Oppenheimer, 2007	
924	<i>Ficus macrophylla</i> Desf. ex. Pers.	newly naturalized (West Maui); new island (Moloka`i, Midway)	Oppenheimer & Bartlett, 2000; Oppenheimer, 2006; Starr et al., 2010	
926	<i>Ficus nota</i> (Blanco) Merr.	newly naturalized (O`ahu, and Hawai`i)	Herbarium Pacificum Staff, 1998	
926	<i>Ficus platypoda</i> (A. Cunn. ex Miq.) A. Cunn. ex Miq.	newly naturalized (O`ahu, Maui); reidentification; new island (Hawai`i)	Nagata, 1995; Oppenheimer & Bartlett, 2000; Oppenheimer, 2003	Berg (2005) suggests <i>F. rubiginosa</i> , <i>F. platypoda</i> , and <i>F. obliqua</i> are best treated as a complex of which the Hawaiian material fits best as <i>F. platypoda</i>
926	<i>Ficus religiosa</i> L.		Frohlich & Lau, 2008	reported as newly naturalized on O`ahu, but appears to be only adventive

926	<i>Ficus rubiginosa</i> Desf.	newly naturalized (West Maui); new island (Lana`i)	Oppenheimer, 2003, 2008
931	<i>Morella cerifera</i> (L.) Small	taxonomic change for <i>Myrica cerifera</i> ; newly naturalized (West Maui)	Wilbur, 1994; Meidell et al., 1997; Oppenheimer, 2003
931	<i>Morella faya</i> (Aiton) Wilbur	taxonomic change for <i>Myrica faya</i> ; range extension (West Maui)	Wilbur, 1994; Oppenheimer et al., 1999
932	<i>Ardisia crenata</i> Sims	new island (West Maui)	Oppenheimer, 2004
932	<i>Ardisia elliptica</i> Thunb.	range extension (West Maui)	Meidell et al., 1998
940	<i>Myrsine fosbergii</i> Hosaka	new island (Kaua`i)	Lorence et al., 1995
942	<i>Myrsine lessertiana</i> A. DC.	taxonomic change for <i>M. emarginata</i>	Wagner, unpub.
943	<i>Myrsine mezii</i> Hosaka	rediscovery (Kaua`i)	Lorence et al., 1995
947	<i>Pimenta dioica</i> (L.) Merr.	newly naturalized (Kaua`i); new island (East Maui)	Lorence et al., 1995; Starr et al., 2003
948	<i>Syncarpia glomulifera</i> (Sm.) Nied.	newly naturalized (West Maui); new island (Moloka`i)	Oppenheimer, 2003, 2010
948	<i>Angophora costata</i> (Gaertn.) Britten	newly naturalized (East Maui)	Starr et al., 2006
951	<i>Eucalyptus botryoides</i> Sm.	new island (West Maui)	Oppenheimer, 2003
951	<i>Corymbia calophylla</i> (Lindl.) K. D. Hill & L. A. S. Johnson	taxonomic change for <i>Eucalyptus calophylla</i>	Hill & Johnson, 1995
952	<i>Corymbia citriodora</i> (Hook.) K. D. Hill & L. A. S. Johnson	taxonomic change for <i>Eucalyptus citriodora</i>	Hill & Johnson, 1995
953	<i>Eucalyptus creba</i> F. Muell.	new island (Lana`i)	Oppenheimer, 2008
953	<i>Corymbia ficifolia</i> (F. v. Muell.) K. D. Hill & L. A. S. Johnson	taxonomic change for <i>Eucalyptus ficifolia</i>	Hill & Johnson, 1995
954	<i>Eucalyptus goniocalyx</i> F. v. Muell. ex. Miq.	new island (East Maui)	Starr & Starr, 2011
956	<i>Corymbia gummifera</i> (Gaertn.) K. D. Hill & L. A. S. Johnson	taxonomic change for <i>Eucalyptus gummifera</i>	Hill & Johnson, 1995
957	<i>Eucalyptus pilularis</i> Sm.	new island (Lana`i)	Oppenheimer, 2008

957	<i>Eucalyptus punctata</i> DC.	newly naturalized (West Maui)	Oppenheimer, 2004	
957	<i>Eucalyptus robusta</i> Sm.	new island (Lana`i)	Oppenheimer, 2007	
960	<i>Eugenia brasiliensis</i> Lam.	newly naturalized (East Maui)	Starr & Starr, 2011	
961	<i>Eugenia uniflora</i> L.	new islands (Maui, Lana`i, O`ahu)	Oppenheimer, 2003; Starr et al., 2010; Frohlich & Lau, 2010	
961	<i>Leptospermum petersonii</i> F. M. Bailey	reidentification; new state (Hawai`i)	Herbarium Pacificum Staff, 1999	Thompson annotated specimens misidentified as <i>L. flavescens</i>
961	<i>Leptospermum polygalifolium</i> Salisb. subsp. <i>polygalifolium</i>	nomenclatural change	Herbarium Pacificum Staff, 1999	<i>L. flavescens</i> placed in synonymy by Thompson (1989)
963	<i>Leptospermum laevigatum</i> (Gaertn.) F. Muell.	new island (O`ahu)	Herbarium Pacificum Staff, 1999; Staples et al., 2002	
963	<i>Leptospermum morrisonii</i> Joy Thomps.	reidentification; new state (Maui)	Herbarium Pacificum Staff, 1999	Thompson annotated specimens misidentified as <i>L. laevigatum</i>
963	<i>Leptospermum scoparium</i> J. R. & G. Forst.	new island (East Maui)	Oppenheimer, 2004	
964	<i>Lophostemon confertus</i> (R. Br.) Peter G. Wilson	new islands (East Maui, Lana`i, Moloka`i)	Oppenheimer, 2004, 2007, 2010	
962, 964	<i>Melaleuca quinquenervia</i> (Cav.) S. T. Blake	new island (Lana`i)	Oppenheimer, 2010	
965	<i>Metrosideros kermadecensis</i> W. R. B. Oliv.	newly naturalized (East Maui)	Starr et al., 2004	
967	<i>Metrosideros polymorpha</i> Gaudich. var. <i>macrophylla</i> (Rock) H. St. John	new island (Maui)	Oppenheimer & Bartlett, 2002	
966 967	<i>Metrosideros polymorpha</i> Gaudich. var. <i>pumila</i> (A. Heller) J. W. Dawson & Stemmerm.	new island (O`ahu)	Kennedy, 2010	
970	<i>Metrosideros waialealae</i> (Rock) Rock var. <i>fauriei</i> (H. Lév) J. W. Dawson & Stemmerm.	new island (West Maui)	Oppenheimer et al., 1999	

972, 973	<i>Rhodomirtus tomentosa</i> (Aiton) Hassk.	new island (Lana`i)	Staples et al., 2002	
976	<i>Syzygium sandwicense</i> (A. Gray) Müll.Berol.	correction and orthographic correction for specific epithet		
978	<i>Boerhavia acutifolia</i> (Choisy) J. W. Moore	taxonomic change for <i>B. glabrata</i> ; new islands (Kaua`i, Moloka`i, Pearl & Hermes, Laysan)	F. R. Fosberg, pers. comm., 1990; Lorence & Flynn, 1999; Oppenheimer, 2003; Staples et al., 2003	<i>Boerhavia glabrata</i> is not the species treated as <i>B. acutifolia</i> prior to Fosberg's 1990 treatment
978, 979	<i>Boerhavia coccinea</i> Mill.	new islands (Lana`i, Kure)	Oppenheimer & Bartlett, 2002; Starr et al., 2003	
982	<i>Mirabilis jalapa</i> L.	new island (Moloka`i)	Oppenheimer, 2003	
989	<i>Nymphaea caerulea</i> Savigny	newly naturalized (Hawai`i)	Herbarium Pacificum Staff, 1998	
989	<i>Nymphaea capensis</i> Thunb.	newly naturalized (Kaua`i); range extension (Kaua`i)	Herbarium Pacificum Staff, 1998; Staples et al., 2003	cultivated Hawaiian plants have been identified as <i>N. capensis</i> var. <i>zanzibariensis</i> (Caspary) Conard; second population referred to as <i>N. capensis</i> var. <i>capensis</i> based on characters not considered taxonomically significant
989	<i>Nymphaea</i> × <i>daubenyana</i> W. T. Baxter	newly naturalized (West Maui)	Oppenheimer, 2003	
989	<i>Nymphaea lotus</i> L. sensu lato	new state (O`ahu)	Staples et al., 2003	
989	<i>Ochna serrulata</i> (Hochst.) Walp.	newly naturalized (Hawai`i)	Herbarium Pacificum Staff, 1998	
989	<i>Ochna thomasi</i> Engl. & Gilg	misidentification as <i>O. kirkii</i> in Hawaiian literature; newly naturalized (O`ahu); new islands (Maui, Lana`i)	Herbarium Pacificum Staff, 1998; Imada et al., 2000; Oppenheimer, 2003, 2004; Starr et al., 2006	adventive and thought to be naturalized, but no record (1998)

990	<i>Sauvagesia erecta</i> L.	new island (East Maui)	Starr et al., 2004	
991	<i>Fraxinus griffithii</i> C. B. Clarke	newly naturalized (East Maui)	Oppenheimer, 2003	
991	<i>Jasminum fluminense</i> Vell.	newly naturalized (O`ahu, Hawai`i) and new island (East Maui)	Herbarium Pacificum Staff, 1996; Starr et al., 2002	
991	<i>Jasminum polyanthus</i> Franch.	new state (Hawai`i)	Imada, 2007	
991	<i>Ligustrum lucidum</i> Aiton	newly naturalized (Hawai`i)	Staples et al., 2003	
991	<i>Ligustrum sinense</i> Lour.	new state (Kaua`i) and new island (Hawai`i)	Herbarium Pacificum Staff, 1999; Lorence & Flynn, 1999	
992	<i>Noronia emarginata</i> (Lam.) Poir.	newly naturalized (Kaua`i); new island (Maui)	Flynn & Lorence, 2002; Starr et al., 2003	
992	<i>Olea europaea</i> L. subsp. <i>europaea</i>	newly naturalized (East Maui)	Starr et al., 1999	
992, 993	<i>Olea europaea</i> L. subsp. <i>cuspidata</i> (Wall. ex G. Don) Cif.	taxonomic name change for <i>Olea europaea</i> L. subsp. <i>africana</i> ; new islands (Kaua`i, East Maui, Lana`i, O`ahu)	Green, 1994b; Lorence et al., 1995; Starr et al., 1999, 2010; Frohlich & Lau, 2010	an older name at the subspecies rank for this taxon
995	<i>Epilobium billardierianum</i> Ser. subsp. <i>cinereum</i> (A. Rich.) P. H. Raven & Engelhorn	new island (Kaua`i)	Wagner & Herbst, 1995	
995	<i>Epilobium ciliatum</i> Raf. subsp. <i>ciliatum</i>	new island (East Maui); range extension (West Maui)	Wood, 2007; Oppenheimer, 2011	
1000	<i>Oenothera biennis</i> L.	new state (East Maui)	Starr et al., 2008	
1000	<i>Oenothera kunthiana</i> (Spach) Munz	newly naturalized (East Maui); new island (O`ahu)	Starr et al., 2004; Frohlich & Lau, 2010	
1000	<i>Oenothera laciniata</i> Hill	new island (Kure)	Wagner & Herbst, 1995	
1000	<i>Oenothera speciosa</i> Nutt.	newly naturalized (East Maui)	Starr & Starr, 2011	report for East Maui but is probably persisting and spreading in area from rhizomes; it is self-incompatible so without more individuals no seed is set

1002, 1003	<i>Oxalis corniculata</i> L.	distribution correction (Kure)	Starr et al., 2003; Herbst & Wagner, 1992	
1002	<i>Oxalis debilis</i> Kunth	taxonomic change for <i>Oxalis corymbosa</i> ; new island (Midway)	Mabberley, 1997; Starr et al., 2010	
1005	<i>Argemone glauca</i> (Nutt. ex Prain) Pope var. <i>glauca</i>	rediscovery (Kaua`i)	Lorence et al., 1995	
1005	<i>Argemone mexicana</i> L.	new island (Moloka`i)	Wysong & Hughes, 2007	
1007	<i>Fumaria officinalis</i> L.	new state (East Maui)	Starr & Starr, 2011	
1010	<i>Passiflora</i> × <i>violacea</i> Loisel.	new island (East Maui) and name change for plants misidentified as <i>Passiflora</i> × <i>caerulea</i>	Starr et al., 1999	
1010	<i>Passiflora edulis</i> Sims	new island (Moloka`i)	Hughes, 1995	
1008, 1011	<i>Passiflora foetida</i> L.	new islands (Moloka`i, Lana`i)	Herbarium Pacificum Staff, 1996; Oppenheimer & Bartlett, 2002	
1011	<i>Passiflora laurifolia</i> L.	new island (West Maui) and range extension (East Maui)	Meidell et al., 1998; Starr et al., 1999	
1011	<i>Passiflora ligularis</i> Juss.	new island (West Maui)	Meidell et al., 1998	
1012	<i>Passiflora maliformis</i> L.	new state (Kaua`i)	Lorence et al., 1995	
1012	<i>Passiflora tarminiana</i> Coppens & Barney	misidentification as <i>P. mollissima</i> (Kunth) L. H. Bailey; new island (East Maui)	Coppens d' Eeckenbrugge et al., 2001; Oppenheimer & Bartlett, 2000; Staples et al., 2003	naturalized species from Colombia
1014	<i>Passiflora suberosa</i> L.	new islands (Kaua`i, Lana`i); range extension (East Maui)	Lorence et al., 1995; Wagner et al., 1997; Starr et al., 2006	
1014	<i>Passiflora subpeltata</i> Ortega	new island (Moloka`i)	Oppenheimer, 2003	
1016	<i>Rivina humilis</i> L.	new islands (West Maui, Moloka`i); range extension (East Maui)	Meidell et al., 1997; Oppenheimer, 2003, 2007	

1024	<i>Peperomia eekana</i> C. DC	new synonym, <i>P. nahikuensis</i> H. St. John	Wagner, unpubl.	
1026	<i>Peperomia hirtipetiolata</i> C. DC.	new island (Kaua`i)	Lorence et al., 1995	
1029, 1030	<i>Peperomia blanda</i> (Jacq.) Kunth var. <i>floribunda</i> (Miq.) H. Huber	taxonomic change for <i>P. leptostachya</i>	Huber, 1987; Florence, 1997	this represents a broader taxonomic concept encompassing populations from most of the Old World tropics
1033, 1034	<i>Peperomia obovatilimba</i> C. DC.	distribution correction (East Maui and Hawai`i only)	Wagner & Herbst, 1995; Oppenheimer & Bartlett, 2002	range extension to West Maui reported by Wagner & Herbst was an error based on a mislabeled specimen
1035	<i>Peperomia subpetiolata</i> Yunck.	possibly extinct	Wood, in press	
1036	<i>Piper aduncum</i> L.	newly naturalized (East Maui)	Starr et al., 2004; Frohlich & Lau, 2010	incorrect diagnostic characters given; O`ahu - not yet definitively naturalized, plants controlled after identification
1036	<i>Piper auritum</i> Kunth	new state (Kaua`i, O`ahu); new islands (East Maui)	Staples, et al., 2006; Starr & Starr, 2011	
1036	<i>Piper betle</i> L.	newly naturalized (O`ahu)	Frohlich & Lau, 2008	
1040	<i>Pittosporum halophilum</i> Rock	resurrected from the synonymy of <i>P. confertiflorum</i>	Wood & Kiehn, 2011	recent collections have shown this coastal taxon to be a distinct species
1047	<i>Pittosporum pentandrum</i> (Blanco) Merr.	new state (O`ahu, Hawai`i)	Herbarium Pacificum Staff, 1999	
1048	<i>Pittosporum undulatum</i> Venten.	new island (East Maui)	Starr et al., 2006	
1048	<i>Pittosporum viridiflorum</i> Sims	new island (East Maui)	Starr et al., 1999	
1050	<i>Plantago australis</i> Lam. subsp. <i>hirtella</i> (Kunth) Rahn	new island (Moloka`i)	Wood, 2006	
1050	<i>Plantago debilis</i> R. Br.	new island (Hawai`i)	Herbst et al., 2004	
1056	<i>Plumbago auriculata</i> Lam.	new state (East Maui)	Herbarium Pacificum Staff, 1999	
1057	<i>Collomia linearis</i> Nutt.	new state (East Maui)	Wagner & Herbst, 1995	

1058	<i>Polygala paniculata</i> L.	new islands (Kaua`i, Moloka`i, Lana`i) and range extension (West Maui)	Lorence et al., 1995; Oppenheimer et al., 1999; Oppenheimer, 2006, 2007	
1058	<i>Polygala virgata</i> Thunb.	new state (East Maui)	Starr & Starr, 2011	
1059	<i>Coccoloba uvifera</i> (L.) L.	newly naturalized (O`ahu) and new islands (Midway, East Maui, West Maui, Hawai`i, Moloka`i)	Herbst, 1998; Starr et al., 2002; Oppenheimer & Bartlett, 2002; Wysong & Hughes, 2007	
1060	<i>Antigonon leptopus</i> Hook. & Arn.	new islands (Midway, Moloka`i)	Brueggemann, pers. comm., 1998; Starr et al., 2002, 2006	
1061, 1063	<i>Persicaria capitata</i> (Buch.-Ham. ex D. Don) Masam.	taxonomic change for <i>Polygonum capitatum</i> ; new islands (East Maui, O`ahu)	Ronse Decraene & Akeroyd, 1988; Oppenheimer & Bartlett, 2002; Frohlich & Lau, 2010	species of Hawaiian <i>Polygonum</i> now treated in three distinct genera; segregates gaining wide acceptance (e.g., Brandbyge, 1993; Wilson, 1990)
1063	<i>Persicaria chinensis</i> (L.) H. Gross	taxonomic change for <i>Polygonum chinense</i> ; new island (O`ahu)	Ronse Decraene & Akeroyd, 1988; Imada et al., 2008	see note under <i>Persicaria capitata</i>
1063	<i>Fallopia convolvulus</i> (L.) A. Löve	taxonomic change for <i>Polygonum convolvulus</i>	Ronse Decraene & Akeroyd, 1988	see note under <i>Persicaria capitata</i>
1061, 1064	<i>Persicaria glabra</i> (Willd.) M. Gómez	taxonomic change for <i>Polygonum glabrum</i>	Ronse Decraene & Akeroyd, 1988; Wilson, 1990	see note under <i>Persicaria capitata</i> ; Wilson reaches similar conclusions to ours in note on p. 1064, and treats <i>Persicaria densiflora</i> as a synonym of <i>P. glabra</i>
1061, 1064	<i>Persicaria punctata</i> (Elliott) Small	taxonomic change for <i>Polygonum punctatum</i> ; new islands (East Maui, Moloka`i)	Ronse Decraene & Akeroyd, 1988; Oppenheimer, 2004; Wood, 2006	see note under <i>Persicaria capitata</i>
1067	<i>Rumex conglomeratus</i> Murray	new state (Kaua`i)	Wagner et al., 1997; Mosyakin & Wagner, 1998	

1067	<i>Rumex crispus</i> L.	taxonomic note	Mosyakin & Wagner, 1998	Hawaiian taxon is <i>Rumex crispus</i> subsp. <i>crispus</i>
1067	<i>Rumex crispus</i> L. subsp. <i>fauriei</i> (Rech.) Mosyakin & W. L. Wagner	new state (O`ahu, Lana`i), and new combination and status	Mosyakin & Wagner, 1998	not clear if this subspecies naturalized on O`ahu
1072	<i>Portulaca lutea</i> Sol. ex G. Forster	new islands (Kaua`i, Ni`ihau)	Wood, 2006; Imada, 2007	
1072	<i>Portulaca oleracea</i> L.	new islands (Kaho`olawe, Kure Atoll)	Oppenheimer, 2006; Kennedy, 2010	
1075	<i>Talinum fruticosum</i> (L.) Juss.	taxonomic change for <i>T. triangulare</i> and new island (O`ahu)	Wagner & Herbst, 1995	
1075	<i>Talinum paniculatum</i> (Jacq.) Gaertn.	new island (West Maui)	Oppenheimer & Bartlett, 2000	
1076, 1078	<i>Anagallis arvensis</i> L.	distribution correction (Kure); new island (Ni`ihau)	Staples et al., 2003; Herbst & Wagner, 1992; Wood & LeGrande, 2006	
1080	<i>Lysimachia pendens</i> K. L. Marr	new species (Kaua`i)	Marr & Bohm, 1997	collection from "Blue Hole," N fork of Wailua River of <i>L. filifolia</i> now treated as distinct
1080	<i>Lysimachia daphnoides</i> (A. Gray) Hillebr.	<i>Lysimachia kahiliensis</i> H. St. John recognized by Marr included by us in <i>L. daphnoides</i>	St. John, 1987d; Marr & Bohm, 1997	
1080	<i>Lysimachia filifolia</i> C.N. Forbes & Lydgate	range rediscovery (Kaua`i)	Wood, in press	
1081	<i>Lysimachia hillebrandii</i> Hook. f. ex A. Gray	We consider <i>Lysimachia haupuensis</i> H. St. John, <i>L. ovoidea</i> H. St. John, and <i>L. waianaeensis</i> H. St. John to be part of the <i>L. hillebrandii</i> complex	St. John, 1987d; Marr & Bohm, 1997	these taxa all recognized as distinct by Marr & Bohm, but we consider distinction too weak to separate from <i>L. hillebrandii</i> ; subspecific status appears to be appropriate for some populations
1082	<i>Lysimachia iniki</i> K. L. Marr	new species (Kaua`i)	Marr & Bohm, 1997	"Blue Hole," N fork of Wailua River only; rare
1083	<i>Lysimachia scopulensis</i> K. L. Marr	new species (Kaua`i)	Marr & Bohm, 1997	Kalalau Valley

1083	<i>Lysimachia remyi</i> Hillebr.	newly delimited by Marr and subdivided into 4 subspecies, a classification not recognized here	Marr & Bohm, 1997	we stay for the present with broad delimitation of this species; subspecies of Marr do not seem natural groupings
1083	<i>Lysimachia venosa</i> (Wawra) St. John	possibly extinct	Wood, in press	
1085	<i>Banksia integrifolia</i> L.f.	newly naturalized (East Maui)	Starr et al., 2006	
1086	<i>Grevillea robusta</i> A. Cunn. ex R. Br.	new islands (Lana`i, Moloka`i, Kaho`olawe)	Herbarium Pacificum Staff, 1999; Oppenheimer, 2003; Starr et al., 2006	
1086	<i>Macadamia integrifolia</i> Maiden & Betche	newly naturalized	Oppenheimer, 2010	
1086	<i>Macadamia tetraphylla</i> L. A. Johnson	newly naturalized (East Maui)	Oppenheimer, 2004	
1091, 1093	<i>Colubrina asiatica</i> (L.) Brongn.	new islands (West Maui, Lana`i)	Starr et al., 2003; Oppenheimer, 2007	
1091, 1094	<i>Colubrina oppositifolia</i> Brongn. ex H. Mann	new island (West Maui)	Lau, 1995	single individual
1095	<i>Gouania meyenii</i> Steud.	new island (Kaua`i)	Lorence et al., 1995	
1097	<i>Gouania vitifolia</i> A. Gray	rediscoveries (O`ahu, Hawai`i)	Herbarium Pacificum Staff, 1996, 1998	3 populations (2 on O`ahu) and total of about 15 individuals reported as newly naturalized on O`ahu, but appears to be only adventive
1098	<i>Ziziphus mauritiana</i> (Sw.) Griseb.		Frohlich & Lau, 2010	
1099	<i>Bruguiera sexangula</i> (Lour.) Poir.	misidentification as <i>Bruguiera gymnorrhiza</i>	J. A. Allen, K. W. Krauss, N. C. Duke, D. R. Herbst, unpubl.; Ding Hou, 1958	misidentification traces to Fosberg (1948)
1099	<i>Rhizophora mangle</i> L.	new island (West Maui); range extension (East Maui)	Herbarium Pacificum Staff, 1999; Oppenheimer, 2003	
1100	<i>Cotoneaster pannosus</i> Franch.	newly naturalized (Kaua`i); new island (East Maui)	Lorence et al., 1995; Herbarium Pacificum Staff, 1999	

1100	<i>Eriobotrya japonica</i> (Thunb.) Lindl.	newly naturalized (Kaua`i); new islands (East Maui, Lana`i, O`ahu)	Lorence et al., 1995; Herbarium Pacificum Staff, 1999; Oppenheimer, 2007; Frohlich & Lau, 2008	
1102	<i>Acaena exigua</i> A. Gray	rediscovery (West Maui); possibly extinct	Meidell et al., 1998; Wood, in press	
1104	<i>Prunus campanulata</i> Maxim.	newly naturalized (Kaua`i)	Lorence & Flynn, 2006	
1104	<i>Prunus persica</i> (L.) Batsch	newly naturalized (East Maui)	Oppenheimer, 2003	
1104	<i>Heteromeles arbutifolia</i> (Lindl.) M. Roem.	newly naturalized (Hawai`i)	Herbst & Wagner, 1996	
1105	<i>Photinia davidiana</i> (Decne.) Cardot	newly naturalized (East Maui, Hawai`i)	Herbarium Pacificum Staff, 1996	
1105	<i>Pyracantha angustifolia</i> (Franch.) C. K. Schneid.	reidentification; Kaua`i only; new island (East Maui)	Herbarium Pacificum Staff, 1999; Starr et al., 2008	annotation by J. B. Phipps revealed 3 species of <i>Pyracantha</i>
1105	<i>Pyracantha crenatoserrata</i> (Hance) Redher	reidentification; newly naturalized (Kaua`i, Hawai`i)	Herbarium Pacificum Staff, 1999	specimens were misidentified as <i>P. angustifolia</i>
1105	<i>Pyracantha koidzumii</i> Redher	reidentification; newly naturalized (Kaua`i, Hawai`i); new island (East Maui)	Herbarium Pacificum Staff, 1999; Staples et al., 2003	specimens were misidentified as <i>P. angustifolia</i>
1105	<i>Rosa ×damascena</i> Mill.	newly naturalized (Moloka`i, Maui, Hawai`i)	Staples et al., 2002; Oppenheimer & Bartlett, 2002	
1105	<i>Rosa laevigata</i> Michx.	newly naturalized (Lana`i)	Nagata, 1995	
1106	<i>Rubus discolor</i> Weihe & Nees	newly naturalized (O`ahu); new island (East Maui)	Conant, 1996; Starr & Starr, 2011	definitely naturalized; new populations in Palolo Valley
1106	<i>Rubus glaucus</i> Benth.	newly naturalized (Maui)	Starr et al., 2003	reported as new island
1107	<i>Rubus argutus</i> Link	new island (Moloka`i)	Hughes, 1995	
1107	<i>Rubus ellipticus</i> Sm. var. <i>obcordatus</i> Focke		Frohlich & Lau, 2007	O`ahu - not yet definitively naturalized, plants removed after collection

1109	<i>Rubus macraei</i> A. Gray	not a closely related derivative of <i>R. hawaiiensis</i> and results from an independent colonization	Howarth et al., 1998	no close relatives in <i>Rubus</i> subg. <i>Idaeobatus</i>
1110	<i>Rubus niveus</i> Thunb.	range extension (Hawai`i) and new island (Kaua`i)	Nagata, 1995; Flynn & Lorence, 1998	
1118	<i>Bobea timonioides</i> (Hook. f.) Hillebr.	new island (Kaua`i)	Lorence et al., 1995	
1119	<i>Psydrax odorata</i> (G. Forst.) A. C. Sm. & S. P. Darwin	taxonomic change for <i>Canthium odoratum</i>	Smith, 1988	
1121	<i>Coffea liberica</i> Hiern	newly naturalized (O`ahu)	Staples et al., 2002	
1127, 1128	<i>Coprosma montana</i> Hillebr.	new island (Moloka`i)	Wysong & Hughes, 2007	
1130	<i>Coprosma rhynchocarpa</i> A. Gray	new island (East Maui)	Herbarium Pacificum Staff, 1996	
1130	<i>Coprosma ternata</i> W. R. B. Oliv.	new island (West Maui)	Wagner & Herbst, 1995	
1131	<i>Diodia apiculata</i> (Willd. ex Roem. & Schult.) K. Schum.	new state (O`ahu)	Imada et al., 2000	Syn. <i>Diodia rigida</i> (Willd. ex Roem. & Schult.) Cham. & Schltdl.
1131	<i>Galium aparine</i> L.	new island (East Maui)	Starr & Starr, 2011	
1131	<i>Galium divaricatum</i> Pourr. ex Lam.	new island (Hawai`i)	Wagner & Herbst, 1995	
1138	<i>Kadua acuminata</i> Cham. & Schltdl.	taxonomic change	Terrell et al., 2005	based on morphological and molecular data <i>Kadua</i> recognized as distinct from <i>Hedyotis</i> genus not included in Groeninckx et al., 2009
1139	<i>Oldenlandiopsis callitrichoides</i> (Griseb.) Terrell & W. H. Lewis	range extension (West Maui), taxonomic change for <i>Hedyotis callitrichoides</i>	Oppenheimer & Bartlett, 2002; Terrell & Lewis, 1990	
1139	<i>Kadua centranthoides</i> Hook. & Arn.	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1140	<i>Kadua cookiana</i> Cham. & Schltdl.	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1141	<i>Kadua coriacea</i> (J. E. Smith) W. L. Wagner & Lorence	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>

1134, 1141	<i>Oldenlandia corymbosa</i> L.	new islands (Kaua`i, Kaho`olawe) and range extension (West Maui, Hawai`i); taxonomic change for <i>Hedyotis corymbosa</i>	Lorence et al., 1995; Oppenheimer & Bartlett, 2002; Starr et al., 2002, 2006; Groeninckx et al., 2009	
1141	<i>Kadua degeneri</i> (Fosberg) W. L. Wagner & Lorence	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1142	<i>Kadua degeneri</i> (Fosberg) W. L. Wagner & Lorence subsp. <i>degeneri</i>	taxonomic change for <i>Hedyotis degeneri</i> var. <i>degeneri</i>	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1142	<i>Kadua degeneri</i> (Fosberg) W. L. Wagner & Lorence subsp. <i>coprosimifolia</i> (Fosberg) W. L. Wagner & Lorence	taxonomic change for <i>Hedyotis degeneri</i> var. <i>coprosimifolia</i>	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1142, 1143	<i>Kadua elatior</i> (H. Mann) W. L. Wagner & Lorence	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1142	<i>Kadua fluviatilis</i> C.N. Forbes	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1144	<i>Kadua flynnii</i> (W. L. Wagner & Lorence) W. L. Wagner & Lorence	new species (Kaua`i); taxonomic change	Wagner & Lorence, 1998; Terrell et al., 2005	cliffs in northern valleys; rare; see note under <i>Kadua acuminata</i>
1143, 1144	<i>Kadua foggiana</i> (Fosberg) W. L. Wagner & Lorence	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1145	<i>Kadua foliosa</i> Hillebr.	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1143, 1145	<i>Kadua formosa</i> Hillebr.	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1145	<i>Kadua fosbergii</i> (W. L. Wagner & D. R. Herbst) W. L. Wagner & Lorence	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1143, 1146	<i>Kadua axillaris</i> (Wawra) W. L. Wagner & Lorence	taxonomic change for <i>Hedyotis hillebrandii</i>	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1147	<i>Kadua knudsenii</i> Hillebr.	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1147, 1149	<i>Kadua littoralis</i> Hillebr.	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1148, 1149	<i>Kadua laxiflora</i> H. Mann	taxonomic change for <i>Hedyotis mannii</i>	Terrell et al., 2005	see note under <i>Kadua acuminata</i>

1148	<i>Kadua parvula</i> A. Gray	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1149, 1150	<i>Kadua st.-johnii</i> (B. C. Stone & Lane) W. L. Wagner & Lorence	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1150	<i>Kadua cordata</i> Cham. & Schtdl. subsp. <i>cordata</i>	taxonomic change for <i>Hedyotis schlechtendahliana</i>	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1150	<i>Kadua cordata</i> Cham. & Schtdl. subsp. <i>remyi</i> (Hillebr.) W. L. Wagner & Lorence	taxonomic change for <i>H. schlechtendahliana</i> var. <i>remyi</i>	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1149 1150	<i>Kadua cordata</i> Cham. & Schtdl. subsp. <i>waimeae</i> (Wawra) W. L. Wagner & Lorence	resurrection from synonymy of <i>H. schlechtendahliana</i> var. <i>schlechtendahliana</i> , new combination, and status; taxonomic change for <i>Hedyotis schlechtendahliana</i> subsp. <i>waimeae</i>	Wagner & Lorence, 1998; Terrell et al., 2005	the flower in lower right of pl. 166 is <i>H. schlechtendahliana</i> subsp. <i>waimeae</i> from Flynn & Lopez 1466; see note under <i>Kadua acuminata</i>
1152, 1154	<i>Kadua affinis</i> (DC)	taxonomic change for <i>Hedyotis terminalis</i>	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1154, 1155	<i>Kadua tryblium</i> (D. R. Herbst & W. L. Wagner) W. L. Wagner & Lorence	taxonomic change	Terrell et al., 2005	see note under <i>Kadua acuminata</i>
1156	<i>Kadua haupuensis</i> Lorence & W.L. Wagner	new species (Kaua`i); possibly extinct	Lorence et al., 2010; Wood, in press	restricted to Ha`upu Mtn., likely extirpated
1156	<i>Mitracarpus hirtus</i> (L.) DC.	new island (East Maui)	Starr et al., 2003	
1157	<i>Gynochthodes trimera</i> (Hillebr.) Razafim & B. Bremer	new island (Kaua`i); taxonomic change for <i>Morinda trimera</i>	Lorence et al., 1995; Razafimandimbison et al., 2009; Razafimandimbison & Bremer, 2011	change based on molecular data
1158, 1159	<i>Nertera granadensis</i> (Mutis ex L. f.) Druce	taxonomic change, genus <i>Nertera</i> transferred to a section of <i>Coprosma</i> ; and range extension (East Maui); taxonomic change	Heads, 1996; Oppenheimer & Bartlett, 2000;	list of Hawaiian species out of date in Heads' article; genus considered to be separate from <i>Coprosma</i> based on molecular evidence

1160	<i>Paederia foetida</i> L.	taxonomic name change for <i>P. scandens</i> ; new island (East Maui); range extension (West Maui)	Wagner & Herbst, 1995; Starr et al., 1999; Oppenheimer, 2003	
1160	<i>Pentas lanceolata</i> (Forssk.) Deflers	newly naturalized (Hawai`i) and new island (East Maui)	Nagata, 1995; Starr et al., 2002	
1164	<i>Psychotria greenwelliae</i> Fosberg	misidentification, erroneous new island (O`ahu)	Herbarium Pacificum Staff, 1996	these collections are not <i>P. greenwelliae</i> and need to be redetermined
1171	<i>Richardia brasiliensis</i> Gomes	new island (Moloka`i); correction, former island (Moloka`i)	Oppenheimer, 2006; Imada et al., 2008	<i>R. brasiliensis</i> & <i>R. scabra</i> specimens reidentified
1171	<i>Richardia scabra</i> L.	new state (Kaua`i); new islands (West Maui, O`ahu, Moloka`i, East Maui)	Lorence et al., 1995; Oppenheimer, 2003; Imada et al., 2008	<i>R. brasiliensis</i> & <i>R. scabra</i> specimens reidentified
1171	<i>Serissa japonica</i> (Thunb.) Thunb.	newly naturalized (Hawai`i)	Wagner et al., 1997	
1171, 1172	<i>Sherardia arvensis</i> L.	new island (Moloka`i)	Oppenheimer, 2008	
1172, 1173	<i>Spermacoce assurgens</i> Ruiz & Pav.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003	
1173	<i>Spermacoce capitata</i> Ruiz & Pav.	new state (Hawai`i)	Wagner et al., 1997	
1173	<i>Spermacoce exilis</i> (L. O. Williams) C. D. Adams	taxonomic name change for <i>S. mauritiana</i>	Lorence et al., 1995	
1173	<i>Spermacoce latifolia</i> Aubl.	new state (Kaua`i); new islands (East Maui, Moloka`i)	Lorence et al., 1995; Oppenheimer, 2004, 2010	
1173	<i>Spermacoce ovalifolia</i> (M. Martens & Galeotti) Hemsl.	new state (Hawai`i); new islands (O`ahu, Maui)	Lorence et al., 1995; Wagner et al., 1997; Oppenheimer, 2003	first collection of this species, which cannot be located, referred to in a note as <i>S. prostrata</i> , a misidentification reported as newly naturalized on O`ahu by Kraus in the Records of the Hawaii Biological Survey (issue number and year unknown)
1174	<i>Murraya paniculata</i> (L.) Jack	new island (East Maui)	Starr et al., 2003	

1175	<i>Flindersia brayleyana</i> F. Muell.	new island (Maui)	Oppenheimer, 2003; Starr et al., 2004	
1188	<i>Melicope elliptica</i> A. Gray	new island (Moloka`i)	Herbarium Pacificum Staff, 1996	
1188	<i>Pelea elliptica</i> (A. Gray) Hillebr. var. <i>mauiensis</i> H. St. John	invalid name	Wagner & Shannon, 1998	lacking Latin diagnosis
1190	<i>Melicope honoluluensis</i> (H. St. John) T. G. Hartley & B. C. Stone and <i>Pelea honoluluensis</i> H. St. John	invalid names	Wagner & Shannon, 1998	lacking Latin diagnosis; see <i>M. hosakae</i>
1190, 1191	<i>Melicope hosakae</i> (H. St. John) W. L. Wagner & R. K. Shannon	nomenclatural name change and new combination	Wagner & Shannon, 1998	basionym (<i>Pelea honoluluensis</i>) and subsequent combination in <i>Melicope</i> not validly published, next available name was <i>P. hosakae</i>
1192	<i>Pelea kavaensis</i> H. Mann var. <i>glabra</i> Hillebr.	corrected synonymy	Wagner & Shannon, 1998	placed as synonym of <i>M. kavaensis</i> , it actually represents <i>M. anisata</i>
1193	<i>Melicope macropus</i> (Hillebr.) T.G. Hartley & B.C. Stone	possibly extinct	Wood, in press	
1196	<i>Melicope nealae</i> (B.C. Stone) T. G. Hartley & B. C. Stone	possibly extinct	Wood, in press	
1198	<i>Melicope ovata</i> (H. St. John & Hume) T. G. Hartley & B. C. Stone	new island (O`ahu)	Wagner & Shannon, 1998	
1198	<i>Melicope pallida</i> (Hillebr.) T. G. Hartley & B. C. Stone	rediscovery (Kaua`i)	Lorence et al., 1995	
1191, 1199, 1706	<i>Melicope sessilis</i> (H. Lév.) T. G. Hartely & B. C. Stone	nomenclatural name change and new combination for plants treated as <i>Pelea parvifolia</i> and <i>M. mauii</i>	Hartley, 2001	
1199	<i>Melicope paniculata</i> (H. St. John) T. G. Hartley & B. C. Stone	rediscovery (Kaua`i)	Lorence et al., 1995	

1199	<i>Pelea peduncularis</i> H. Lév. var. <i>ternifolia</i> (B. C. Stone) B. C. Stone	invalid name	Wagner & Shannon, 1998	lacking Latin diagnosis
1199	<i>Pelea wawraeana</i> Rock var. <i>ternifolia</i> B. C. Stone	invalid name	Wagner & Shannon, 1998	lacking Latin diagnosis
1202	<i>Melicope quadrangularis</i> (H. St. John & Hume) T. G. Hartley & B. C. Stone	rediscovery (Kaua`i); possibly extinct	Lorence et al., 1995; Wood, in press	
1205, 1207	<i>Melicope volcanica</i> (A. Gray) T. G. Hartley & B. C. Stone	new island (Moloka`i)	Oppenheimer, 2008	
1206	<i>Melicope hiiakae</i> (B. C. Stone) T. G. Hartley & B. C. Stone	resurrection from synonymy of <i>M. wawraeana</i> Rock	Lau, pers. comm., 1995	Lau's collections clearly show this is a distinct species more closely related to <i>M. lydgatei</i> and <i>M. sessilis</i>
1211	<i>Ruta graveolens</i> L.	newly naturalized (East Maui)	Starr et al., 2004	
1214	<i>Zanthoxylum hawaiiense</i> Hillebr.	new island (Kaua`i); range extension (West Maui)	Lorence et al., 1995; Wood, 2007	
1220	<i>Santalum album</i> L.	newly naturalized (O`ahu)	Frohlich & Lau, 2008	
1221	<i>S. freycinetianum</i> Gaudich.	taxonomic change for <i>S. freycinetianum</i> var. <i>freycinetianum</i> ; also Moloka`i plants now considered to be <i>S. haleakalae</i> var. <i>lanaiense</i>	Harbaugh et al., 2010	restricted only to O`ahu
1221	<i>S. pyrularium</i> Gaudich.	taxonomic change for <i>S. freycinetianum</i> var. <i>pyrularium</i>	Harbaugh et al., 2010	reduced variability of floral morphology with exclusion of <i>S. involutum</i> , restricted to Kaua`i
1221	<i>S. involutum</i> H. St. John	resurrection from synonymy of <i>S. freycinetianum</i> var. <i>pyrularium</i>	Harbaugh et al., 2010	presumed ancient hybrid between <i>S. pyrularium</i> and the <i>S. ellipticum</i> clade.
1222	<i>Santalum haleakalae</i> Hillebr. var. <i>haleakalae</i>	taxonomic change for <i>S. haleakalae</i>	Harbaugh et al., 2010	not found to be genetically distinct from <i>S. freycinetianum</i> var. <i>lanaiense</i>
1222	<i>Santalum haleakalae</i> Hillebr. var. <i>lanaiense</i> (Rock) Harbaugh	taxonomic change for <i>S. freycinetianum</i> var. <i>lanaiense</i>	Harbaugh et al., 2010	

1224	<i>Filicium decipiens</i> (Wight & Arn.) Thwaites	newly naturalized (O`ahu); new islands (Maui, Hawai`i)	Staples et al., 2002; Oppenheimer, 2003; Starr et al., 2004	
1223, 1225	<i>Alectryon macrococcus</i> Radlk. subsp. <i>macrococcus</i>	range extension (East Maui)	Oppenheimer, 2003	
1225	<i>Allophyllus cobbe</i> (L.) Raeusch.		Frohlich & Lau, 2008	reported as newly naturalized on O`ahu, but appears to be only adventive
1226	<i>Cupaniopsis anacardioides</i> (A. Rich.) Radlk.	newly naturalized (O`ahu); new island (East Maui)	Frohlich & Lau, 2010; Starr & Starr, 2011	
1227	<i>Dodonaea viscosa</i> Jacq.	new island (Kaho`olawe)	Starr et al., 2006	
1228	<i>Koelreuteria elegans</i> (Seem.) A. C. Sm. subsp. <i>formosana</i> (Hayata) F. G. Mey.	newly naturalized (West Maui); range extension (East Maui); new island (O`ahu)	Oppenheimer, 2003; Starr et al., 2008; Frohlich & Lau, 2010	
1231	<i>Chrysophyllum oliviforme</i> L.	newly naturalized (Kaua`i); new islands (O`ahu, Hawai`i, Maui)	Lorence et al., 1995; Wagner et al., 1997; Oppenheimer, 2003	
1232	<i>Sideroxylon polynesicum</i> (Hillebr.) Smedmark & Anderb.	taxonomic change for <i>Nesoluma polynesicum</i>	Swenson & Anderberg, 2005; Smedmark & Anderberg, 2007	
1233	<i>Planchonella sandwicensis</i> (A. Gray)	taxonomic change for <i>Pouteria sandwicensis</i>	Swenson et al., 2007	
1234	<i>Sideroxylon persimile</i> (Hemsl.) T. D. Penn.	newly naturalized (O`ahu, Lana`i, East Maui); range extension (O`ahu)	Starr et al., 2002; Staples et al., 2003	
1235	<i>Hebe speciosa</i> (A. Cunn) Cockayne & Allan	newly naturalized (Hawai`i)	Shannon & Wagner, 1996	
1235	<i>Mazus pumilis</i> (Burm. F.) Steenis	newly naturalized (East Maui)	Oppenheimer, 2004	
1236, 1238	<i>Antirrhinum orontium</i> L.	new island (Kaho`olawe) and range extension (East Maui, Kaho`olawe, West Maui)	Staples et al., 2002; Starr et al., 2002, 2006; Oppenheimer, 2007	

1238, 1239	<i>Castilleja arvensis</i> Cham. & Schltdl.	new island (O`ahu, Lana`i)	Staples et al., 2003; Oppenheimer, 2007	most Hawaiian specimens identified as <i>T. asiatica</i> actually <i>T.</i> <i>glabra</i> ; known from single collection from Pu`u Maka`ala area
1238, 1241	<i>Linaria canadensis</i> (L.) Dum. Cours. var. <i>texana</i> (Scheele) Pennell	new island (East Maui)	Starr et al., 2002	
1242	<i>Lindernia antipoda</i> (L.) Alston	new island (West Maui)	Oppenheimer, 2004	
1242, 1243	<i>Lindernia crustacea</i> (L.) F. Muell	new island (West Maui)	Oppenheimer, 2003	
1242	<i>Lindernia</i> <i>procumbens</i> (Krock.) Philcox	new state (Kaua`i)	Lorence et al., 1995	
1244	<i>Lophospermum</i> <i>erubescens</i> D. Don	new island (East Maui)	Starr et al., 1999	
1246	<i>Torenia asiatica</i> L.	taxonomic clarification	Staples et al., 2002	
1243, 1246	<i>Torenia glabra</i> Osbeck	newly naturalized (O`ahu, Hawai`i) and misidentification as <i>T.</i> <i>asiatica</i>	Staples et al., 2002	
1250	<i>Veronica peregrina</i> L. subsp. <i>xalapensis</i> (Kunth) Pennell	new island (Kaua`i; East Maui)	Lorence et al., 1995; Starr et al., 2002	
1250	<i>Veronica serpyllifolia</i> L.	new islands (Lana`i, East Maui, Moloka`i))	Nagata, 1995; Starr et al., 2003, Oppenheimer, 2006	
1252	<i>Brugmansia candida</i> Pers.	new island (Moloka`i)	Hughes, 1995	
1254	<i>Cestrum nocturnum</i> L.	new islands (East Maui, Hawai`i, Lana`i); range extension (West Maui)	Oppenheimer & Bartlett, 2000; Starr et al., 2003; Oppenheimer, 2007, 2010	
1258, 1259	<i>Solanum</i> <i>lycopersicum</i> L. var. <i>cerasiforme</i> (Dunal) D. M. Spooner, G. J. Anderson & R. K. Jansen	taxonomic change for <i>Lycopersicon</i> <i>esculentum</i> and misidentification as naturalized plants as <i>L. pimpinellifolium</i>	Wagner et al., 1997	
1260, 1261	<i>Nicandra physalodes</i> (L.) Gaertn.	new island (Lana`i)	Oppenheimer, 2010	

1260	<i>Nicotiana glauca</i> Graham	new islands (Hawai`i, Moloka`i)	Wagner & Herbst, 1995; Oppenheimer, 2003	
1265	<i>Physalis angulata</i> L.	new islands (O`ahu, Hawai`i, Moloka`i)	Imada et al., 2000; Oppenheimer, 2003; Staples et al., 2006	
1265	<i>Physalis ixocarpa</i> Brot. ex Hornem.	new state (Moloka`i)	Nagata, 1995	a single individual in arid shrubland; not clear if naturalized
1265	<i>Physalis lanceifolia</i> Nees	new state (East Maui)	Wagner & Herbst, 1995	
1269	<i>Solanum capsicoides</i> All.	new island (West Maui)	Oppenheimer & Bartlett, 2000	
1270	<i>Solanum elaeagnifolium</i> Cav.	range extension (West Maui)	Oppenheimer et al., 1999	
1271	<i>Solanum linnaeanum</i> Hepper & P.-M. L. Jaeger	new island (Kaho`olawe)	Herbarium Pacificum Staff, 1998	
1267	<i>Solanum rostratum</i> Dunal	new island (East Maui)	Starr et al., 2004	as with plants previously known from Pohukuloa, all known Maui plants removed
1275, 1277	<i>Solanum seaforthianum</i> Andr.	new island (Hawai`i)	Staples et al., 2003	
1276	<i>Solanum torvum</i> Sw.	range extension (West Maui); new island (Hawai`i)	Oppenheimer et al., 1999; Starr et al., 2003	
1278	<i>Solanum villosum</i> Mill.	new state (Hawai`i)	Imada et al., 2008	
1278	<i>Streptosolen jamesonii</i> (Benth.) Miers	newly naturalized (Kaua`i)	Lorence & Flynn, 1997	
1279	<i>Melochia umbellata</i> (Houtt.) Stapf	new islands (West Maui, O`ahu)	Oppenheimer, 2004; Frohlich & Lau, 2007	
1279	<i>Sterculia apetala</i> (Jacq.) Karst.	newly naturalized (West Maui)	Oppenheimer, 2003	
1279	<i>Sterculia foetida</i> L.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
1280	<i>Waltheria pyrolifolia</i> A. Gray	proposed resurrection from synonymy of <i>W. indica</i>	Saunders, 2011	this species not recognized by us as distinct from <i>W. indica</i>
1281	<i>Camellia sinensis</i> (L.) Kuntze	newly naturalized (Kaua`i); new island (Hawai`i)	Lorence & Flynn, 2006; Staples et al., 2006	
1290	<i>Wikstroemia villosa</i> Hillebr.	rediscovery (East Maui)	Oppenheimer, 2011	

1292,	<i>Heliocarpus</i>	new island (Lana`i)	Oppenheimer,	
1293	<i>popayanensis</i> Kunth		2007	
1293,	<i>Triumfetta</i>	new island (Moloka`i)	Wysong &	
1294	<i>semitriloba</i> Jacq.		Hughes, 2007	
1296	<i>Turnera ulmifolia</i> L.	new islands (Maui, Hawaii, O`ahu)	Oppenheimer, 2004; Frohlich & Lau, 2007	
1303	<i>Neraudia melastomifolia</i> Gaud.	notable rediscovery (Moloka`i)	Oppenheimer, 2008	last collected on Moloka`i in 1948
1306	<i>Pilea microphylla</i> (L.) Liebm.	new islands (Midway: Eastern Is. and Sand Is., Lana`i, Moloka`i)	Wagner & Herbst, 1995; Shannon & Wagner, 1996; Oppenheimer & Bartlett, 2002, Oppenheimer, 2006	
1306	<i>Pilea peploides</i> (Gaud.) Hook. & Arnott	new island (Ni`ihau)	Wood & LeGrande, 2006	
1310	<i>Procris pedunculata</i> (J.R. Forst. & G. Forst.) Wedd.		Frohlich & Lau, 2008	reported as newly naturalized on O`ahu, but appears to be only adventive
1314	<i>Urtica urens</i> L.	new island (O`ahu)	Herbarium Pacificum Staff, 1996	
1316	<i>Phyla nodiflora</i> (L.) Greene	newly naturalized (Midway: Sand Isl., West Maui), new islands (O`ahu, Moloka`i)	Starr et al., 2002; Kennedy, 2010	
1317	<i>Citharexylum caudatum</i> L.	range extension (O`ahu); new islands (Kaua`i, East Maui, Hawai`i)	Nagata, 1995; Starr et al., 1999, 2004; Oppenheimer, 2003	
1317	<i>Citharexylum spinosum</i> L.	newly naturalized (O`ahu) and new island (East Maui, Moloka`i)	Herbarium Pacificum Staff, 1998; Starr et al., 2002, 2006	
1319	<i>Clerodendrum buchananii</i> var. <i>fallax</i> (Lindl.) Baker	newly naturalized (Maui); new island (Hawai`i)	Starr et al., 2006; Frohlich & Lau, 2007; Parker and Parsons, 2010	typographical error in genus name in publication; O`ahu - adventive, not yet definitively naturalized
1319	<i>Clerodendrum chinense</i> (Osborn-Kos.) Mabb.	nomenclatural name change from <i>C. philippinum</i>	Wagner & Herbst, 1995	

1318, 1319	<i>Clerodendrum macrostegium</i> Schauer	newly naturalized (Kaua`i)	Lorence & Flynn, 1997	
1319	<i>Duranta erecta</i> L.	newly naturalized (Kaua`i) and new island (O`ahu)	Lorence et al., 1995; Herbarium Pacificum Staff, 1998	
1320	<i>Lantana montevidensis</i> (Spreng.) Briq.	new island (Kaua`i)	Lorence et al., 1995	
1318, 1321	<i>Stachytarpheta australis</i> Moldenke	taxonomic change for <i>S. dichotoma</i> sensu description in Wagner et al. (1990); the type of <i>S. dichotoma</i> is the same taxon as <i>S. cayennensis</i>	Munir, 1992	
1322, 1323	<i>Stachytarpheta cayennensis</i> (Rich.) Vahl	taxonomic change for <i>S. urticifolia</i> ; <i>S. dichotoma</i> also becomes a synonym here	Munir, 1992	<i>S. cayennensis</i> hybridizes with <i>S. jamaicensis</i> at least at Kolekole Pass and Waimanalo, O`ahu, and with <i>S. mutabilis</i> on Kaua`i
1322, 1323 1325	<i>Stachytarpheta jamaicensis</i> (L.) Vahl <i>Verbena bonariensis</i> L.	new island (Moloka`i) new island (Kaua`i)	Oppenheimer, 2003 Lorence et al., 1995; Frohlich & Lau, 2008	O`ahu - not yet definitively naturalized, plants removed after collection
1325	<i>Verbena rigida</i> Spreng.		Frohlich & Lau, 2008	O`ahu - not yet definitively naturalized, plants removed after identification
1326	<i>Vitex parviflora</i> Juss.	newly naturalized (O`ahu)	Frohlich & Lau, 2008	
1327	<i>Vitex trifolia</i> L.	newly naturalized (Moloka`i)	Wysong & Hughes, 2007	
1331	<i>Isodendron pyrifolium</i> A. Gray	rediscovery (Hawai`i)	Herbarium Pacificum Staff, 1996	
1332	<i>Viola odorata</i> L.	new islands (Hawai`i, Kaua`i)	Shannon & Wagner, 1996; Imada, 2007	

1338	<i>Korthalsella complanata</i> (Tiegh.) Engl.	proposed taxonomic change: inclusion in a broadly delimited and widespread (Indian and Pacific Ocean) <i>K. taenioides</i> (Comm. ex DC.) Engl.f. <i>taenioides</i>	Molvray, 1997	Barlow (1997) does not accept Molvray's taxonomy; we concur that this sweeping change should be further evaluated before adopting
1339	<i>Korthalsella cylindrica</i> (Tiegh.) Engl.	retained at species level, but distribution extended to include Tahiti	Molvray, 1997	this change should be further evaluated before adopting
1339	<i>Korthalsella degeneri</i> Danser	proposed taxonomic change: inclusion in a broadly delimited and widespread (Marquesas and Hawaiian Is., Tahiti, Samoa, Fiji, and Norfolk Is.) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>horneana</i> (Tiegh.) Molvray	Molvray, 1997	this sweeping change should be further evaluated before adopting
1339	<i>Korthalsella latissima</i> (Tiegh.) Danser	proposed taxonomic change: forma status and highly disjunct distribution (Hawaiian Is. and Australia) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>pendula</i> (Wawra) Molvray	Molvray, 1997	this change should be further evaluated before adopting
1340	<i>Korthalsella platycaula</i> (Tiegh.) Engl.	proposed taxonomic change: inclusion in a broadly delimited and widespread (Indian and Pacific Ocean) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>taenioides</i> ; <i>Bifaria hillebrandii</i> Tiegh. is a synonym here	Molvray, 1997	this sweeping change should be further evaluated before adopting

1340	<i>Korthalsella remyana</i> Tiegh.	proposed taxonomic change: forma status and highly disjunct distribution (Hawaiian Island and Tahiti) <i>K. taenioides</i> (Comm. ex DC.) Engl. f. <i>remyana</i> (Tiegh.) Molvray	Molvray, 1997	this change should be further evaluated before adopting
1342	<i>Curcuma longa</i> L.	new island (Kaua`i)	Wood, in press	
1342	<i>Cissus quadrangularis</i> L.	Newly naturalized (O`ahu)	Frohlich & Lau, 2008	
1342	<i>Cissus rhombifolia</i> Vahl	newly naturalized (West Maui)	Starr et al., 2004	
1342	<i>Cissus rotundifolia</i> (Forssk.) Vahl	newly naturalized (Kaua`i) and new island (O`ahu, East Maui)	Lorence & Flynn, 1997; Herbst, 1998; Starr et al., 2002	
1342	<i>Tetrastigma pubinerve</i> Merr. & Chun	newly naturalized (West Maui)	Oppenheimer & Bartlett, 2000	
1344	<i>Tribulus terrestris</i> L.	new island (Moloka`i)	Oppenheimer, 2003	
1347	<i>Sansevieria trifasciata</i> Prain	newly naturalized (O`ahu) and new islands (Kaua`i, East Maui)	Imada et al., 2000; Flynn & Lorence, 2002; Starr et al., 2003	
1350	<i>Furcraea foetida</i> (L.) Haw.	new island (Kaho`olawe)	Starr & Starr, 2011	
1355	<i>Sagittaria latifolia</i> Willd.	new island (Hawai`i)	Imada et al., 2000	
1355	<i>Aloe vera</i> (L.) Burm. f.	newly naturalized (Kaua`i) and new islands (O`ahu, West Maui, Moloka`i, Lana`i)	Lorence et al., 1995; Herbarium Pacificum Staff, 1999; Oppenheimer, 2003, 2011; Wysong & Hughes, 2007; Imada, 2007	
1356	<i>Aglaonema commutatum</i> Schott	newly naturalized (O`ahu)	Imada, 2007	
1356	<i>Alocasia cucullata</i> (Lour.) G. Don	newly naturalized (East Maui, Hawai`i), new islands (Moloka`i, O`ahu)	Staples et al., 2003; Oppenheimer, 2007; Imada, 2007	
1356	<i>Alocasia macrorrhizos</i> (L.) G. Don	new island (Hawai`i)	Imada et al., 2000	Imada et al. incorrectly attributed authorship of the combination to Schott

1356	<i>Caladium bicolor</i> (Aiton) Vent.	newly naturalized (Hawai`i)	Ressler, 2010	
1357	<i>Dieffenbachia</i> <i>maculata</i> (Loddiges) G. Don	newly naturalized (Kaua`i), new island (West Maui)	Lorence & Flynn, 2006; Oppenheimer, 2007	
1359	<i>Philodendron</i> <i>erubescens</i> K. Koch & Augustin	newly naturalized (Kaua`i), new island (East Maui)	Flynn & Lorence, 2002; Oppenheimer, 2007	
1359	<i>Philodendron</i> <i>lacerum</i> (Jacq.) Schott	newly naturalized (East Maui)	Oppenheimer, 2004	
1359	<i>Philodendron</i> <i>pinnatifidum</i> (Jacq.) Schott	newly naturalized (Kaua`i)	Flynn & Lorence, 2002	
1359	<i>Philodendron</i> <i>scandens</i> K. Koch & Sello	newly naturalized (Kaua`i)	Oppenheimer, 2008	
1359	<i>Syngonium</i> <i>podophyllum</i> Schott	newly naturalized (West Maui); new island (O`ahu)	Oppenheimer, 2006, 2011	
1359	<i>Xanthosoma</i> <i>robustum</i> Schott	newly naturalized (Kaua`i, O`ahu) and new islands (Maui, Hawai`i); taxonomic name change for <i>Xanthosoma roseum</i>	Staples & Woolliams, 1997; Oppenheimer & Bartlett, 2000; Imada et al., 2000; Govaerts & Frodin, 2002; Herbst et al., 2004	
1358, 1364	<i>Livistonia chinensis</i> (Jacq.) R. Br. Ex Mart.	new islands (West Maui, Kaua`i)	Oppenheimer, 2003, 2011	
1359	<i>Epipremnum</i> <i>pinnatum</i> (L.) Engl.	new island (Moloka`i)	Oppenheimer, 2007	
1362	<i>Archontophoenix</i> <i>alexandrae</i> (F.v. Muell.) H.A. Wendl. & Drude	new island (East Maui)	Oppenheimer, 2011	
1367	<i>Pritchardia</i> <i>maideniana</i> Becc.	nomenclatural change for <i>Pritchardia affinis</i>	Hodel, 2007	
1369	<i>Pritchardia</i> <i>beccariana</i> Rock	distribution status change	Hodel, 2007	restricted to Mauna Loa not on Kilauea
1369	<i>Pritchardia flynnii</i> Lorence & Gemmill	new species (Kaua`i);	Lorence & Gemmill, 2004; Hodel, 2007	Hodel refers some specimens formerly attributed to <i>P. flynnii</i> to <i>P. perlmanii</i>
1369	<i>Pritchardia</i> <i>forbesiana</i> Rock	range extension (eastern Moloka`i)	Hodel, 2007	

1369	<i>Pritchardia glabrata</i> Becc & Rock	<i>Pritchardia elliptica</i> and <i>P. lanaiensis</i> added as synonyms		no significant differences between <i>P.</i> <i>glabrata</i> , <i>P. elliptica</i> & <i>P. lanaiensis</i>
1370	<i>Pritchardia gordonii</i> Hodel	new species (Hawaii)	Hodel, 2007	separation of species from <i>P. schattaueri</i>
1370	<i>Pritchardia</i> <i>hillebrandii</i> Becc.	distribution status change and author correction	Hodel, 2007	now restricted to rocky islets of Huelo and Mokapa off north coast of Moloka'i
1371	<i>Pritchardia</i> <i>kahukuensis</i> Caum	Hodel resurrects <i>P.</i> <i>kahukuensis</i> from synonymy of <i>P.</i> <i>martii</i> , a classification not recognized here	Hodel, 2007	<i>P. martii</i> complex need careful consideration before making a taxonomic change
1371	<i>Pritchardia</i> <i>limahuliensis</i> H. St. John	new species (Kaua'i)	St. John, 1988; Gemmill, pers. comm., 1997	extremely rare and endangered
1373	<i>Pritchardia</i> <i>napaliensis</i> St. John	<i>Pritchardia</i> <i>limahuliensis</i> placed within <i>P. napaliensis</i>	Hodel, 2007	no significant differences noted between <i>P. napaliensis</i> and <i>P. limahuliensis</i>
1373	<i>Pritchardia perlmanii</i> Gemmill	new species (Kaua'i); distribution status change	Gemmill, 1998; Hodel, 2007	extremely rare and endangered; collections formerly referred to <i>P.</i> <i>flynnii</i> from Makaleha Mts., Pole Line Trail, & Wainiha included by Hodel as <i>P. perlmanii</i>
1373	<i>Pritchardia remota</i> Becc.	<i>Pritchardia aylmer-</i> <i>robinsonii</i> added as a new synonym and author correction	Hodel, 2007	no significant differences noted between <i>P. aylmer-</i> <i>robinsonii</i> and <i>P.</i> <i>remota</i>
1375	<i>Pritchardia woodii</i> Hodel	new species (East Maui)	Hodel, 2007	separation of species from <i>P. lanigera</i>
1375	<i>Roystonea regia</i> (Kunth) O. F. Cook	newly naturalized (O'ahu)	Frohlich & Lau, 2007	
1375	<i>Washingtonia filifera</i> (L. Linden) H. Wendl.	newly naturalized (West Maui); new island (O'ahu)	Oppenheimer & Bartlett, 2002; Frohlich & Lau, 2010	
1375	<i>Washingtonia robusta</i> H. Wendl.	newly naturalized (West Maui); new island (O'ahu)	Oppenheimer & Bartlett, 2002; Frohlich & Lau, 2010	
1375	<i>Aechmea bracteata</i> (Sw.) Griseb.		Frohlich & Lau, 2008	reported as newly naturalized on O'ahu, but appears to be only adventive

1375	<i>Guzmania lindenii</i> (André) Mez	new state (O`ahu)	Frohlich & Lau, 2010	
1375	<i>Guzmania monostachia</i> (L.) Rusby ex Mez	new state (O`ahu)	Frohlich & Lau, 2010	
1375	<i>Tillandsia balbisiana</i> Schult. f.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
1375	<i>Tillandsia bulbosa</i> Hook.	new state (Manoa Valley)	Frohlich & Lau, 2010	
1375	<i>Tillandsia caput-medusae</i> C. J. Morren	newly naturalized (East Maui)	Oppenheimer, 2006	
1375	<i>Tillandsia gardneri</i> Lindl.	new state (O`ahu)	Frohlich & Lau, 2010	
1375	<i>Tillandsia fasciculata</i> Sw.	new state (O`ahu)	Frohlich & Lau, 2010	
1375	<i>Tillandsia juncea</i> (Ruiz & Pav.) Poir.		Frohlich & Lau, 2010	reported as new state naturalized record on O`ahu, but appears to be only adventive
1375	<i>Tillandsia polystachia</i> (L.) L.	new state (O`ahu)	Frohlich & Lau, 2010	
1375	<i>Tillandsia recurvata</i> (L.) L.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
1375	<i>Tillandsia stricta</i> Sol.	new state (O`ahu)	Frohlich & Lau, 2010	
1375	<i>Tillandsia usneoides</i> (L.) L.		Frohlich & Lau, 2007	reported as newly naturalized on O`ahu, but appears to be only adventive
1378	<i>Callisia fragrans</i> (Lindl.) Woodson	new island (East Maui)	Starr et al., 2003	
1378	<i>Callisia repens</i> L.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
1377, 1379	<i>Commelina benghalensis</i> L.	new island (Moloka`i)	Oppenheimer, 2003	
1380	<i>Palisota bracteosa</i> C. B. Clarke	newly naturalized (O`ahu)	Herbst et al., 2004	
1380	<i>Tradescantia fluminensis</i> Vellozo	newly naturalized (Maui, Hawai`i)	Staples et al., 2006	
1380	<i>Tradescantia spathaea</i> Sw.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
1380	<i>Tradescantia zebrina</i> Bosse	newly naturalized (Kaua`i); new island (West Maui); range extension (East Maui); new island (Moloka`i)	Lorence & Flynn, 1997; Oppenheimer & Bartlett, 2000; Starr et al., 2004; Oppenheimer, 2007	

1381	<i>Cheilocostus speciosus</i> (J. König) C. Specht	new islands (Kaua`i, Maui, O`ahu); taxonomic change for <i>Costus speciosus</i>	Wagner & Herbst, 1995; Oppenheimer & Bartlett, 2000; Frohlich & Lau, 2008; Specht & Stevenson, 2006	
1381	<i>Costus woodsonii</i> Maas	new state (East Maui)	Oppenheimer, 2004	
1388	<i>Carex inversa</i> R. Br.	new state (Hawai`i)	Shaw & Douglas, 1995	Pohakuloa Training Area
1389	<i>Carex longii</i> Mack.	new state (Hawai`i, East Maui); new island (Moloka`i)	Strong & Wagner, 1997; Oppenheimer, 2010	mentioned as status unknown as <i>C. ovalis</i> Gooden., a misidentification
1390	<i>Carex nealae</i> R. Krauss	taxonomic change for <i>C. thunbergii</i>	Dragon & Barrington, 2009	<i>C. nealae</i> related to North American species, not Asian where <i>C. thunbergii</i> occurs
1392	<i>Carex wahuensis</i> C. A. Mey. subsp. <i>rubiginosa</i> (R. W. Krauss) T. Koyama	new island (Moloka`i)	Kennedy, 2010	
1395	<i>Cyperus involucratus</i> Rottb.	nomenclatural/taxonomic change for <i>C. alternifolius</i> L.; new islands (Moloka`i, Lana`i)	Strong & Wagner, 1997; Oppenheimer, 2007; Imada et al., 2008	
1395	<i>Cyperus compressus</i> L.	new islands (East Maui, Moloka`i, Kaua`i)	Wagner & Herbst, 1995; Oppenheimer, 2006; Wood, 2006	
1395	<i>Cyperus confertus</i> Sw.	new state (Hawai`i)	Herbarium Pacificum Staff, 1996; Strong & Wagner, 1997	
1395	<i>Cyperus cyperoides</i> (L.) Kuntze	new state (Hawai`i)	Herbarium Pacificum Staff, 1996; Strong & Wagner, 1997	not known if naturalized
1391, 1395	<i>Cyperus difformis</i> L.	new island (West Maui); range extension (East Maui)	Starr et al., 2002, 2006	
1396	<i>Cyperus eragrostis</i> Lam.	new state (Hawai`i)	Staples et al., 2003	
1396	<i>Cyperus esculentus</i> L.	rediscovery (Hawai`i); new island (Kaua`i)	Strong & Wagner, 1997; Wood, 2006	now known from 2 collections

1396	<i>Cyperus gracilis</i> R. Br.	new islands (Moloka`i, Lana`i, Hawai`i, Kaho`olawe)	Hughes, 1995; Oppenheimer & Bartlett, 2002; Starr et al., 2003; Starr & Starr, 2011	
1396, 1397	<i>Cyperus haspan</i> L.	new islands (Moloka`i, O`ahu, Lana`i) and spelling correction	Hughes, 1995; Wood, 2006; Oppenheimer, 2008	
1398	<i>Cyperus involucratus</i> Rottb.	new islands (Hawai`i, Lana`i)	Imada et al., 2000, 2008	Imada et al. incorrectly attributed authorship to Roxburgh
1398	<i>Cyperus papyrus</i> L.	new island (Hawai`i)	Staples et al., 2003	
1399	<i>Cyperus prolifer</i> Lam.	newly naturalized (Kaua`i)	Strong & Wagner, 1997	also cultivated
1399	<i>Cyperus rotundus</i> L.	new islands (French Frigate Shoals, Moloka`i)	Hughes, 1995; Strong & Wagner, 1997	
1399	<i>Cyperus sphacelatus</i>	new state (Moloka`i)	Oppenheimer, 2008	
1401, 1402	<i>Eleocharis geniculata</i> (L.) Roem. & Schult.	new islands (West Maui, Lana`i)	Oppenheimer, 2003; Imada et al., 2008	
1403	<i>Eleocharis olivacea</i> Torr.	new state (Hawai`i)	Strong & Wagner, 1997	
1403	<i>Eleocharis radicans</i> (Poir.) Kunth	new island (Hawai`i)	Imada et al., 2000	
1403	<i>Eleocharis schaffneri</i> Boeck.	new state (Kaua`i)	Strong & Wagner, 1997	
1404	<i>Fimbristylis aestivalis</i> (Retz.) Vahl	new island (Hawai`i)	Oppenheimer & Bartlett, 2002	
1405, 1407	<i>Fimbristylis dichotoma</i> (L.) Vahl	new island (Lana`i)	Oppenheimer, 2007	
1406	<i>Fimbristylis ferruginea</i> (L.) Vahl	new state (O`ahu)	Strong & Wagner, 1997	
1406	<i>Fimbristylis littoralis</i> Gaud.	new state (Kaua`i) and new islands (Hawai`i, East Maui); name change	Strong & Wagner, 1997; Imada et al., 2000; Oppenheimer, 2003; Strong, 2004	<i>Fimbristylis miliacea</i> (L.) Vahl is a rejected name
1408	<i>Gahnia aspera</i> Spreng. subsp. <i>globosa</i> (H. Mann) J. Kern	new island (Kaua`i)	Lorence et al., 1995	
1409	<i>Gahnia beecheyi</i> H. Mann	new island (Moloka`i)	Hughes, 1995	

1407, 1409	<i>Morelotia gahniiformis</i> Gaudich.	new island (Kaua`i); taxonomic change; distribution status change	Lorence et al., 1995	treated as an indigenous species of <i>Gahnia</i> ; this species is an Hawaiian endemic
1410	<i>Gahnia lacera</i> (A. Rich) Steud.	taxonomic change for <i>G. lanaiensis</i>	Koyama et al., 2010	re-examination of Hawaiian material revealed correct identification
1413	<i>Kyllinga nemoralis</i> (J. R. Forst. & G. Forst.) Dandy ex Hutch. & Dalziel	new islands (Moloka`i, Lana`i)	Oppenheimer, 2003	
1416	<i>Cyperus congestus</i> Vahl	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1416	<i>Cyperus cyperinus</i> (Retz.) Suringar	taxonomic change; new island (Maui)	Strong & Wagner, 1997; Tucker, 1994; Starr et al., 2006	<i>Mariscus</i> not recognized
1412, 1417	<i>Cyperus fauriei</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1417, 1419	<i>Cyperus hillebrandii</i> Boeck. var. <i>hillebrandii</i> and <i>C. h.</i> var. <i>decipiens</i> (Hillebr.) Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized; available names at varietal level
1418, 1419	<i>Cyperus hypochlorus</i> Hillebr. var. <i>hypochlorus</i> and <i>C. h.</i> var. <i>brevior</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized; available names at varietal level
1419, 1420	<i>Cyperus javanicus</i> Houtt.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1419, 1420	<i>Cyperus meyenianus</i> Kunth	taxonomic change; new islands (Moloka`i, Hawai`i, Maui)	Strong & Wagner, 1997; Tucker, 1994; Hughes, 1995; Oppenheimer, 2003, 2006	<i>Mariscus</i> not recognized
1420	<i>Cyperus neokunthianus</i> Kük.	taxonomic change for <i>Mariscus kunthianus</i>	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1421, 1422	<i>Cyperus pennatiformis</i> Kük. var. <i>pennatiformis</i> and <i>C. p.</i> var. <i>bryanii</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized; available names at varietal level

1422, 1423	<i>Cyperus phleoides</i> (Nees ex Kunth) Hillebr. var. <i>phleoides</i> and <i>C. p.</i> var. <i>hawaiiensis</i> (H. Mann) Kük.	taxonomic change and new island (Kaho`olawe)	Wagner & Herbst, 1995; Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized; available names at varietal level
1423	<i>Cyperus rockii</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1422, 1424	<i>Cyperus sandwicensis</i> Kük.	taxonomic change	Strong & Wagner, 1997; Tucker, 1994	<i>Mariscus</i> not recognized
1425, 1426	<i>Cyperus polystachyos</i> Rottb.	taxonomic change	Tucker, 1994	<i>Pycneus</i> and subspecies not recognized
1427	<i>Cyperus</i> <i>sanguinolentus</i> Vahl	taxonomic change; new island (O`ahu)	Tucker, 1994; Frohlich & Lau, 2008	<i>Pycneus</i> not recognized
1428	<i>Rhynchospora caduca</i> Elliott	new islands (Kaua`i, O`ahu, Moloka`i)	Wagner & Herbst, 1995; Wagner et al., 1997; Wysong & Hughes, 2007	
1426, 1428	<i>Rhynchospora</i> <i>chinensis</i> Nees & Meyen subsp. <i>spiciformis</i> (Hillebr.) T. Koyama	new island (O`ahu)	Kennedy, 2010	
1429	<i>Rhynchospora</i> <i>radicans</i> (Schltdl. & Cham.) H. Pfeiff. subsp. <i>microcephala</i> (Bertero ex Spreng.) W. W. Thomas	new state (Hawai`i) and new island (East Maui)	Strong & Wagner, 1997; Herbst et al., 2004	
1430	<i>Rhynchospora tenuis</i> Willd. ex Link subsp. <i>tenuis</i>	new state (Kaua`i), new island (Moloka`i)	Strong, 2006; Oppenheimer, 2008	
1431, 1433	<i>Schoenoplectiella</i> <i>juncoides</i> (Roxb.) Lye	taxonomic change from <i>Schoenoplectus</i> <i>juncoides</i> (Roxb.) Palla	Lye, 2003	
1432	<i>Schoenoplectus</i> <i>mucronatus</i> (L.) Palla subsp. <i>mucronatus</i>	new state (Hawai`i)	Strong & Wagner, 1997	author of species incorrect in report; subspecies not reported, but apparently Hawaiian plants are subsp. <i>mucronatus</i> (det. by Strong, 1998)

1432, 1433	<i>Schoenoplectus tabernaemontani</i> (C. C. Gmel.) Palla	taxonomic change from <i>Schoenoplectus lacustris</i> (L.) Palla subsp. <i>validus</i> (Vahl) T. Koyama	Smith, 1995	
1432	<i>Schoenus apogon</i> Roem. & Schult.	new state (Hawai`i)	Herbarium Pacificum Staff, 1996; Strong & Wagner, 1997	
1434	<i>Scleria testacea</i> Nees	new island (Moloka`i)	Oppenheimer, 2008	
1433, 1434	<i>Cyperus odoratus</i> L.	taxonomic change	Tucker, 1994	<i>Torulinum</i> not recognized
1440	<i>Eriocaulon scariosum</i> Sm.	identification	Sylvia Phillips, pers. comm., 1998	this species from E Australia (Queensland to Victoria) treated as "sp. A"
1441	<i>Heliconia latispatha</i> Benth.	new island (Kaua`i)	Lorence & Flynn, 1997	
1442	<i>Vallisneria americana</i> Michx.	newly naturalized (Kaua`i); new island (West Maui)	Staples et al., 2003; Oppenheimer, 2008	herbarium sheet, <i>Flynn</i> 6196 determined by C. D. K. Cook (Z)
1442	<i>Vallisneria spiralis</i> L.	new state (O`ahu)	Staples et al., 2003	
1438, 1442	<i>Egeria densa</i> Planch.	new island (West Maui)	Oppenheimer, 2003	
1443	<i>Halophila decipiens</i> Ostenf.	new state (Midway, O`ahu, Hawai`i)	McDermid et al., 2002	
1443	<i>Halophila hawaiiiana</i> Doty & B. C. Stone	new island (Midway)	DeFelice, 1999	
1444	<i>Molineria capitulata</i> (Lour.) Herb.	newly naturalized (Kaua`i), new island (Pearl and Hermes Atoll)	Flynn & Lorence, 2002; Kennedy, 2010	
1445	<i>Aristea gerrardii</i> Weim.	misidentified as <i>Aristea compressa</i> Buchinger ex Baker	Herbarium Pacificum Staff, 1999; Staples et al., 2003	identified by L. Vincent (NMO)
1445	<i>Crocasmia ×crocosmiflora</i> (Lemoine ex E. Morren) N. E. Br.	new island (Moloka`i)	Oppenheimer, 2010	
1446	<i>Gladiolus dalenii</i> Van Geel	new state (East Maui, Hawai`i); range extension (West Maui)	Starr et al., 2004; Oppenheimer, 2007	
1447	<i>Sisyrinchium exile</i> E. P. Bicknell	new island (Moloka`i)	Herbarium Pacificum Staff, 1999	

1449	<i>Watsonia borbonica</i> (Pourr.) Goldblatt	new island (Kaua`i) and range extension (West Maui)	Lorence et al., 1995; Oppenheimer & Bartlett, 2002	
1449	<i>Watsonia meriana</i> (L.) Mill.	newly naturalized (East Maui)	Oppenheimer, 2004	
1452	<i>Juncus bufonius</i> L.	new island (O`ahu)	Wagner & Herbst, 1995	
1453	<i>Juncus ensifolius</i> Wikstr.	new island (East Maui)	Oppenheimer, 2004	
1453	<i>Juncus effuses</i> L.	new island (O`ahu)	Imada, 2007	
1448, 1453	<i>Juncus planifolius</i> R. Br.	new island (Lana`i)	Oppenheimer & Bartlett, 2002	
1457	<i>Lemna aequinoctialis</i> Welw.	taxonomic change for <i>Lemna perpusilla</i> and new island (Hawai`i)	Wagner et al., 1997	
1458	<i>Lemna obscura</i> (Austin) Daubs	new state (O`ahu)	Wagner et al., 1997	
1458	<i>Spirodela polyrhiza</i> (L.) Schleid.	new islands (Kaua`i, Maui, Hawai`i)	Imada et al., 2000; Wagner et al., 1997	
1458	<i>Landoltia punctata</i> (G. Mey.) Les & D. J. Crawford	taxonomic change for <i>Spirodela punctata</i> (G. Mey.) C. H. Thomps; and new state (O`ahu, Hawai`i)	Staples et al., 2002; Wagner et al., 1997	
1458	<i>Wolffia globosa</i> (Roxb.) Hartog & Plas	new state (Moloka`i)	Wagner et al., 1997	
1459	<i>Asparagus asparagoides</i> (Forssk.) Deflers	new state (East Maui)	Starr et al., 2002	
1459	<i>Asparagus densiflorus</i> (Kunth) Jessop	newly naturalized (Kaua`i); and new islands (West Maui, Hawai`i, Lana`i)	Lorence & Flynn, 1999; Oppenheimer & Bartlett, 2000; Oppenheimer, 2003, 2007	
1459	<i>Asparagus falcatus</i> L.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	O`ahu - adventive, not yet definitively naturalized
1459	<i>Asparagus plumosus</i> J. G. Baker	newly naturalized (Kaua`i); misidentification as <i>A. setaceus</i> ; new islands (O`ahu, West Maui; Hawai`i, Moloka`i, Lana`i); range extension (East Maui)	Lorence et al., 1995; Imada et al., 2000; Oppenheimer & Bartlett, 2000, 2002; Starr et al., 2002, 2006; Oppenheimer, 2008	

1459	<i>Zephyranthes citrina</i> Baker	newly naturalized (Kaua`i) and new islands (O`ahu, East Maui)	Lorence et al., 1995; Staples et al., 2002	
1459	<i>Zephyranthes</i> <i>grandiflora</i> Lindley	newly naturalized (Lana`i)	Oppenheimer, 2011	
1463	<i>Hippeastrum striatum</i> (Lam.) H. E. Moore	misidentification as <i>H. puniceum</i> ; and new islands (Maui, Moloka`i, Lana`i)	Herbst & Wagner, 1999; Oppenheimer & Bartlett, 2002; Oppenheimer, 2008	
1464	<i>Calathea crotalifera</i> S. Watson	new island (Hawai`i)	Parker and Parsons, 2010	
1466	<i>Najas guadalupensis</i> (Spreng.) Magnus	new state (Hawai`i); new island (O`ahu)	Herbst & Wagner, 1996; Imada, 2007	
1466	<i>Najas marina</i> L.	new state (O`ahu)	Shannon & Wagner, 1996	
1468	<i>Zeuxine strateumatica</i> (L.) Schltr.	newly naturalized (East Maui)	Oppenheimer, 2003	
1468	<i>Habenaria rodeiensis</i> Barb. Rodr.	identification of <i>Habenaria</i> sp. from Kula, range extension (West Maui)	Herbst & Wagner, 1999; Oppenheimer, 2006	
1471	<i>Arundina</i> <i>graminifolia</i> (D. Don) Hochr.	range extension (West Maui)	Oppenheimer & Bartlett, 2000	
1471	<i>Cymbidium dayanum</i> Rchb. f.	newly naturalized (Hawai`i)	Ackerman et al., 2011	
1471	<i>Dendrobium</i> <i>antennatum</i> L.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
1471	<i>Dendrobium</i> <i>crumenatum</i> Sw.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
1471	<i>Dendrobium hybrid</i>	newly naturalized (O`ahu)	Ackerman et al., 2011	O`ahu - adventive, not yet definitively naturalized or identified
1473	<i>Phaius tankervilleae</i> (Banks ex L'Hér.) Blume	new islands (West Maui, Moloka`i); range extension (East Maui)	Oppenheimer et al., 1999; Oppenheimer, 2007, 2008	named in honor of Lady Emma Tankerville, corrected from original spelling <i>tancarvilleae</i> .
1476	<i>Polystachya concreta</i> (Jacq.) Garay & Sweet	new state (O`ahu)	Staples et al., 2003	
1476	<i>Vanda tricolor</i> Lindley	newly naturalized (Maui); new island (O`ahu)	Oppenheimer, 2006; Frohlich & Lau, 2010	

1482	<i>Aristida adscensionis</i> L.	new state (Moloka`i, Hawai`i) and distribution correction	Herbst & Clayton, 1998	earliest collection incorrectly placed on O`ahu instead of Moloka`i; does not occur on O`ahu reported as new island
1482	<i>Arrhenatherum elatius</i> (L.) P. Beauv. ex J. Presl & C. Presl	newly naturalized (East Maui)	Starr et al., 2003	
1482	<i>Dichelachne crinita</i> (L. f.) Hook. f.	newly naturalized (East Maui)	Starr et al., 2003	
1482	<i>Dichelachne micrantha</i> (Cav.) Domin	taxonomic change for <i>Dichelachne sciurea</i> ; new island (Kaua`i)	Herbst & Clayton, 1998; Snow & Davidse, 2011	not known if naturalized
1482	<i>Distichlis spicata</i> (L.) Greene	range extension (Maui)	Herbarium Pacificum Staff, 1999	
1482	<i>Glyceria notata</i> Chevall.	new state (East Maui, Hawai`i); nomenclature change for <i>Glyceria fluitans</i> (L.) R. Br.	Herbst & Wagner, 1999; Soreng et al., 2003	based on three seemingly naturalized collections in 1916, 1951, and 1953; present status unknown; new determinations made
1483	<i>Hackelochloa granularis</i> (L.) Kuntze	new state (Hawai`i)	Herbst & Wagner, 1999	based on a single seemingly naturalized collection in 1941; present status unknown
1483	<i>Ixophorus unisetus</i> (K. Presl) Schltldl.	new state (Kaua`i, O`ahu, Lana`i)	Herbst & Wagner, 1999	
1483	<i>Phalaris minor</i> Retz.	new state (O`ahu, Moloka`i, Hawai`i)	Herbst & Wagner, 1999	
1483	<i>Phalaris aquatica</i> L.	new state (East Maui, Hawai`i), misidentification as <i>P. tuberosa</i> var. <i>stenoptera</i>	Herbst & Clayton, 1998	
1483	<i>Phleum pratense</i> L.	new state (Kaua`i, O`ahu, Maui)	Herbst & Wagner, 1999	
1483	<i>Phragmites australis</i> (Cav.) Steud.	misidentification as <i>Phragmites karka</i>	Herbst & Clayton, 1998	
1484	<i>Triticum aestivum</i> L.	newly naturalized (Kaua`i, O`ahu, Moloka`i, Lana`i, Maui, Hawai`i)	unpublished	reported by O`Connor as escaped but it is clearly naturalized
1484	<i>Zizania latifolia</i> (Griseb.) Turcz. ex Stapf	new island (Kaua`i)	Lorence & Flynn, 1999	reported by O`Connor as status unknown on O`ahu and Hawai`i but appears to be naturalized

1491	<i>Agrostis exarata</i> Trin.	taxonomic change for <i>A. exarata</i> Trin. var. <i>mololepis</i>	Snow, 2008	intraspecific taxon are no longer recognized
1492	<i>Lachnagrostis filiformis</i> (G. Forst.) Trin.	new island (Kaho`olawe); taxonomic change for <i>Agrostis avenacea</i> J. F. Gmel.	Imada et al., 2000; Soreng et al. 2003	
1492	<i>Agrostis capillaris</i> L.	new state (East Maui)	Herbst & Clayton, 1998	
1492	<i>Agrostis hyemalis</i> (Walter) Britton, Sterns & Poggenb.	new state (O`ahu)	Snow & Lau, 2010	
1492	<i>Agrostis sandwicensis</i> Hillebr.	new island (Kaua`i)	Herbst & Clayton, 1998	
1493, 1494	<i>Polypogon viridis</i> (Gouan) Breistr.	taxonomic change for <i>Agrostis semiverticillata</i>	Herbst & Clayton, 1998	<i>Agrostis</i> species with spikelets falling entire, as in <i>A. semiverticillata</i> , are now included in <i>Polypogon</i>
1495	<i>Aira caryophyllea</i> L.	new islands (Kaua`i, O`ahu)	Lorence & Flynn, 1997; Wood, 2006	
1492	<i>Andropogon bicornis</i> L.	new state (Kaua`i)	Snow & Lau, 2010	
1497	<i>Andropogon glomeratus</i> (Walter) E. Britton, Sterns & Poggenb.	new state (Kaua`i)	Herbst & Clayton, 1998	re-identification of numerous specimens earlier Hawaiian records of <i>Andropogon glomeratus</i> based on misidentified specimens of <i>Schizachyrium condensatum</i> ; these Kaua`i collections of <i>A. glomeratus</i> were basis of report as <i>S. condensatum</i> by Lorence et al. , 1995, a misidentification
1497	<i>Andropogon glomeratus</i> (Walter) Britton, Sterns & Poggenb. var. <i>pumilus</i> (Vasey) L. H. Dewey	new islands (Midway, O`ahu, Hawai`i)	Starr, 2010	previously mididentified as <i>A. virginicus</i>

1497	<i>Andropogon virginicus</i> L.	new islands (Midway: Sand Is., Kaua`i, Moloka`i, Lana`i) and range extension (West Maui); incorrectly reported from Midway	Starr et al., 2002; Imada et al., 2000; Hughes, 1995; Herbarium Pacificum Staff, 1999; Oppenheimer et al., 1999; Snow & Lau, 2010
1497	<i>Andropogon virginicus</i> L. var. <i>virginicus</i>	new variety recognized	Snow & Lau, 2010
1497	<i>Antheophora hermaphrodita</i> (L.) Kuntze	new state (O`ahu)	Herbst & Clayton, 1998
1498	<i>Anthoxanthum odoratum</i> L.	new islands (Kaua`i, O`ahu)	Lorence et al., 1995; Snow & Davidse, 2011
1498	<i>Arundo donax</i> L.	new island (Lana`i)	Kennedy, 2010
1499	<i>Avena barbata</i> Pott ex Link	new island (Hawai`i)	Staples et al., 2002
1500	<i>Axonopus compressus</i> (Sw.) P. Beauv.	newly naturalized (Moloka`i, Maui) and new islands (Kaua`i, O`ahu, Hawai`i)	Oppenheimer, 2003, 2004; Starr et al., 2004; Oppenheimer, 2007
1500	<i>Axonopus fissifolius</i> (Raddi) Kuhlmann	new island (Moloka`i)	Hughes, 1995
1502	<i>Bothriochloa barbinodis</i> (Lag.) Herter	new island (Hawai`i)	Starr et al., 2006
1502	<i>Bothriochloa bladhii</i> (Retz.) S. T. Blake	new islands (East Maui, Kaho`olawe, O`ahu)	Herbarium Pacificum Staff, 1997; Starr et al., 2006; Snow, 2008
1503	<i>Bothriochloa laguroides</i> (DC.) Herter	new state (East Maui)	Herbst & Clayton, 1998
1503	<i>Bothriochloa pertusa</i> (L.) A. Camus	new island (Midway)	Starr & Martz, 2000
1503	<i>Urochloa brizantha</i> (Hochst. ex A. Rich.) R.D. Webster	newly naturalized (Kaho`olawe); new island (East Maui); incorrectly reported from Kaho`olawe	Starr et al., 2006; Oppenheimer, 2008; Snow & Lau, 2010

see below

1503	<i>Urochloa decumbens</i> (Stapf) R. D. Webster	new state (Kaua`i, Kaho`olawe)	Snow & Lau, 2010	previously mididentified as <i>U. brizantha</i> , Moloka`i collection not recognd by Wagner et al., as naturalized
1503	<i>Urochloa distachya</i> (L.) T. Q. Nguyen	new island (Kaua`i); taxonomic change for <i>Brachiaria subquadripara</i> (Trin.) Hitchc.	Lorence et al., 1995; Zuloaga et al., 2003	
1504	<i>Urochloa mollis</i> (Sw.) Morrone & Zuloaga	new state (O`ahu); nomenclatural change for <i>Brachiaria mollis</i> (Sw.) Parodi	Staples et al., 2002; Zuloaga et al., 2003	
1501, 1504	<i>Urochloa mutica</i> (Forssk.) T. Q. Nguyen	nomenclatural change for <i>Brachiaria mutica</i> (Forssk.) Stapf; new island (Moloka`i)	Zuloaga et al., 2003; Oppenheimer, 2003	
1504	<i>Urochloa plantaginea</i> (Link) R. D. Webster	new state (O`ahu, Moloka`i); new islands (Maui, Hawai`i); nomenclatural change for <i>Brachiaria plantaginea</i> (Link) Hitchc.	Wagner & Herbst, 1995; Oppenheimer & Bartlett, 2002; Zuloaga et al., 2003; Starr et al., 2004; Snow & Lau, 2010.	Starr et al., 2004 reports range extension to E. Maui under older name <i>Brachiaria plantaginea</i> (Link.) Hitchc.
1504	<i>Urochloa reptans</i> (L.) Stapf	new state (O`ahu); nomenclatural change for <i>Brachiaria reptans</i> (L.) C. A. Gardner & C. E. Hubb.	Herbst & Clayton, 1998; Zuloaga et al., 2003	
1505	<i>Briza minor</i> (L.)	earlier date of introduction	Imada et al., 2000	collected on Hawai`i in 1853 (<i>J. Rémy</i> 85, BISH)
1505	<i>Bromus madritensis</i> L.	new state (Moloka`i, Maui, Hawai`i)	Herbst & Wagner, 1999	
1505	<i>Bromus hordeaceus</i> L.	taxonomic change for <i>Bromus molliformis</i> and new state (O`ahu, Maui); taxonomic change for <i>B. hordeaceus</i> subsp. <i>divaricatus</i>	Herbst & Clayton, 1998; Snow, 2008	as <i>Bromus hordeaceus</i> L. subsp. <i>molliformis</i> (J. Lloyd) Maire & Weiler by Herbst & Clayton, but this a junior synonym; infraspecific taxon are no longer recognized
1507	<i>Bromus rubens</i> L.	new state (Moloka`i, Hawai`i)	Herbst & Wagner, 1999	
1507	<i>Bromus sterilis</i> L.	new islands (Moloka`i, Lana`i)	Oppenheimer, 2008	

1507	<i>Bromus hordeaceus</i> L.	taxonomic change for <i>B. mollis</i> ; new island (Moloka`i); taxonomic change for <i>B. hordeaceus</i> subsp. <i>hordeaceus</i>	Herbst & Clayton, 1998; Wysong & Hughes, 2007; Snow, 2008	intraspecific taxon are no longer recognized
1508	<i>Bromus diandrus</i> Roth	taxonomic change for <i>Bromus rigidus</i> Roth; and new islands (East Maui, Lana`i)	Herbst & Clayton, 1998; Herbarium Pacificum Staff, 1999; Oppenheimer, 2008	Herbst & Clayton believe it should be treated as a subsp. of <i>B. diandrus</i> , but combination not available
1506, 1508	<i>Bromus catharticus</i> Vahl	taxonomic change for <i>Bromus willdenowii</i> and new islands (Kaua`i, Lana`i)	Lorence & Flynn, 1997; Herbst & Clayton, 1998; Oppenheimer, 2008	
1509	<i>Calamagrostis expansa</i> (Munro ex Hillebr.) Hitchc.	new island (Hawai`i)	Herbst & Clayton, 1998	
1512	<i>Cenchrus ciliaris</i> L.	new islands (Midway, Ni`ihau)	Starr & Martz, 2000; Wood & LeGrande, 2006	
1512	<i>Cenchrus echinatus</i> L.	new island (Pearl and Hermes)	Starr et al., 2002	
1513	<i>Cenchrus setigerus</i> Vahl	newly naturalized (Kaua`i)	Starr et al., 2004	
1513	<i>Chloris truncata</i> R. Br.	new state (O`ahu, East Maui, Kaho`olawe)	Herbst & Wagner, 1999	
1513	<i>Cenchrus tribuloides</i> L.	new state (Kaho`olawe)	Lorence et al., 1995	
1513	<i>Eustachys petraea</i> (Sw.) Desv.	new state; taxonomic name change for <i>Chloris petraea</i>	Wagner & Herbst, 1995	
1514	<i>Chloris barbata</i> (L.) Sw.	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1514	<i>Chloris divaricata</i> R. Br.	new island (Midway)	Starr & Martz, 2000	
1514	<i>Chloris divaricata</i> R. Br. var. <i>cynodontoides</i> (Balansa) Lazarides	new island (West Maui)	Oppenheimer, 2003	
1515	<i>Chloris gayana</i> Kunth	new island (Moloka`i)	Hughes, 1995	
1515	<i>Chloris radiata</i> (L.) Sw.	new islands (Moloka`i, Ni`ihau)	Oppenheimer, 2003; Wood & LeGrande, 2006	

1515	<i>Chloris virgata</i> Sw.	new islands (Midway, Oah`u, Ni`ihau); earlier date of introduction	Starr & Martz, 2000; Herbst & Clayton, 1998; Imada et al., 2000; Wood & LeGrande, 2006	collected on O`ahu in 1851-1855 (<i>J. Rémy</i> 76, BISH)
1516	<i>Chrysopogon aciculatus</i> (Retz.) Trin.	new island (West Maui)	Oppenheimer et al., 1999	
1519	<i>Cortaderia jubata</i> (Lemoine) Stapf	newly naturalized (East Maui) and range extension (West Maui)	Loope & Medeiros, 1992; Meidell et al., 1998	previously on East Maui only
1519	<i>Cortaderia selloana</i> (Schult. & Schult. f.) Asch. & Graebn.	newly naturalized (O`ahu)	Frohlich & Lau, 2010	
1519	<i>Cymbopogon refractus</i> (R. Br.) A. Camus	new islands (Ni`ihau, Lana`i)	Herbst & Clayton, 1998	
1520	<i>Cynodon aethiopicus</i> Clayton & J. R. Harlan	new state (O`ahu, Hawai`i) and new island (West Maui)	Herbst & Clayton, 1998; Oppenheimer, 2004	
1520	<i>Cynodon dactylon</i> (L.) Pers.	new island (Moloka`i)	Herbst & Clayton, 1998	
1520	<i>Cynodon nlemfuensis</i> Vanderyst	new state (Moloka`i, Hawai`i); new island (West Maui)	Herbst & Wagner, 1999; Oppenheimer, 2003	
1521	<i>Dactyloctenium aegyptium</i> (L.) Willd.	new islands (Midway, Kaua`i, Lana`i)	Wagner et al., 1997; Lorence & Flynn, 1997; Oppenheimer, 2007	
1522, 1523	<i>Rytidosperma pilosum</i> (R. Br.) Connor & Edgar	taxonomic change for <i>Danthonia pilosa</i> and new island (East Maui)	Herbst & Clayton, 1998; Herbst & Wagner, 1999	
1522	<i>Rytidosperma semiannulare</i> (Labill.) Connor & Edgar	new state (Maui) and taxonomic name change for <i>Danthonia semiannularis</i>	Herbst & Clayton, 1998	
1524	<i>Deschampsia caespitosa</i> (L.) P. Beauv. subsp. <i>beringensis</i> (Hulten) W. E. Lawr.	new state (East Maui)	Snow & Davidse, 2011	

1524	<i>Dichantherium</i>	Maintain status as distinct from <i>Panicum</i> , molecular study included <i>D. koolauense</i>		
1525	<i>Dichantherium cynodon</i> (Reichardt) C.A. Clark & Gould	new island (O`ahu)	Wood, in press	
1526	<i>Dichantherium hillebrandianum</i> (Hitchc.) C.A. Clark & Gould	new island (O`ahu)	Wood, in press	
1526	<i>Dichantherium koolauense</i> (H. St. John & Hosaka) C. A. Clark & Gould	new island (West Maui) as <i>Panicum koolauense</i>	Herbst & Clayton, 1998	
1528	<i>Dichanthium annulatum</i> (Forssk.) Stapf	new islands (Moloka`i, West Maui)	Hughes, 1995; Oppenheimer & Bartlett, 2002	
1528	<i>Dichanthium aristatum</i> (Poir.) Hubb.	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1528	<i>Dichanthium tenue</i> (R. Br.) A. Camus	new islands (O`ahu, East Maui)	Herbst & Clayton, 1998	
1530	<i>Digitaria abyssinica</i> (A. Rich.) Stapf	new state (Kaua`i)	Herbst & Clayton, 1998	
1530	<i>Digitaria bicornis</i> (Lam.) Roem. & Schult.	new state (West Maui)	Snow & Lau, 2010	
1531	<i>Digitaria divaricatissima</i> (R. Br.) Hughes	newly naturalized (Lana`i)	Herbst et al., 2004	
1531	<i>Digitaria horizontalis</i> Willd.	new state (O`ahu, Lana`i)	Herbst & Wagner, 1999	
1531	<i>Digitaria insularis</i> (L.) Mex ex Ekman	new island (Ni`ihau)	Wood & LeGrande, 2006	
1531	<i>Digitaria eriantha</i> Steud.	taxonomic change for <i>Digitaria pentzii</i> ; new islands (Kaua`i, East Maui)	Herbst & Clayton, 1998; Staples et al., 2003; Oppenheimer, 2004	
1531	<i>Digitaria radicata</i> (K. Presl) Miq.	new state (O`ahu, Kaua`i); new island (Hawai`i)	Herbst & Clayton, 1998; Staples et al., 2003	intended to be reported as new state in reference
1534	<i>Echinochloa oryzoides</i> (Ard.) Fritsch	misidentification as <i>Echinochloa stagnina</i> , new state (O`ahu)	Herbst & Clayton, 1998	

1534	<i>Echinochloa picta</i> (J. König) P.W. Michael	misidentification as <i>Echinochloa stagnina</i> , new state (O`ahu)	Herbst & Clayton, 1998	
1534	<i>Echinochloa crus-galli</i> (L.) P. Beauv.	misidentification as <i>Echinochloa walteri</i> , new state (O`ahu) and new island (Midway: Sand Is.)	Herbst & Clayton, 1998; Starr et al., 2002	
1535	<i>Echinochloa esculenta</i> (A. Braun) H. Scholz	new state (East Maui); nomenclatural change for <i>E. utilis</i>	Herbst & Clayton, 1998; Snow, 2008	volunteer in a grass plot, status as naturalized unknown
1536	<i>Ehrharta calycina</i> Sm.	new state (Hawai`i)	Herbst & Wagner, 1999	
1536	<i>Ehrharta erecta</i> Lam.	new state (East Maui); range/elevation extension (East Maui)	Herbst & Clayton, 1998; Starr et al., 2008	Makawao only
1536	<i>Ehrharta stipoides</i> Labill.	new islands (Kaua`i, Kaho`olawe, Moloka`i)	Lorence et al., 1995; Herbst & Clayton, 1998; Wysong & Hughes, 2007	
1537	<i>Entolasia marginata</i> (R. Br.) Hughes	new state (Hawai`i)	Flynn & Lorence, 1998	
1537	<i>Eragrostis ciliaris</i> (L.) R. Br.	new state (O`ahu)	Herbst & Wagner, 1999	
1538	<i>Eragrostis elongata</i> (Willd.) Jacq.	new state (Kaua`i, Hawai`i); new islands (Moloka`i, O`ahu)	Lorence et al., 1995; Oppenheimer, 2003; Herbst et al., 2004	
1538	<i>Eragrostis pilosa</i> (L.) P. Beauv.	new state and new islands, (Kaua`i, Lana`i, O`ahu), correction	Lorence et al., 1995; Herbst & Clayton, 1998; Snow & Lau, 2010	known only from Kaua`i and Lana`i; Moloka`i, Maui, and Hawai`i distributional records based on misidentified specimens
1538	<i>Eragrostis unioides</i> (Retz.) Nees ex Steud.	new state (Hawai`i); new island (East Maui)	Herbst & Wagner, 1999; Oppenheimer, 2008	
1540	<i>Eragrostis brownei</i> (Kunth) Nees ex Steud.	new island (Kaua`i)	Lorence & Flynn, 1999	
1541	<i>Eragrostis curvula</i> (Schrad.) Nees	new state (O`ahu, Kaho`olawe), misidentification; new island (East Maui)	Herbst & Clayton, 1998; Oppenheimer, 2003	misidentified as <i>Leptochloa uninervia</i>

1541	<i>Eragrostis deflexa</i> Hitchc.	new islands (West Maui, Moloka`i)	Herbst & Clayton, 1998; Snow & Lau, 2010	
1541	<i>Eragrostis dielsii</i> Pilger ex Diels & Pritz.	new state (Moloka`i)	Snow & Lau, 2010	
1542	<i>Eragrostis grandis</i> Hillebr.	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1542	<i>Eragrostis leptostachya</i> (R. Br.) Steud.	taxonomic change and distributional status change to naturalized for <i>Eragrostis hosakai</i> ; new island (Maui)	Herbst & Clayton, 1998; Staples et al., 2002	<i>Eragrostis hosakai</i> was described from a naturalized population of this Australian grass
1542	<i>Eragrostis leptophylla</i> Hitchc.	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1543	<i>Eragrostis brownii</i> (Kunth) Nees ex Steud.	taxonomic change and distributional status change to naturalized for <i>Eragrostis molokaiensis</i> H. St. John, a species described in 1988 as native	St. John, 1988; Herbst & Clayton, 1998	
1543	<i>Eragrostis parviflora</i> (R. Br.) Trin.	new state (Kaua`i)	Flynn & Lorence, 1998	
1544, 1545	<i>Eragrostis amabilis</i> (L.) Wight & Arn.	taxonomic name change from <i>E. tenella</i> ; new islands (Kaua`i, Moloka`i, Lana`i); distribution correction (Kure)	Lorence et al., 1995; Hughes, 1995; Oppenheimer, 2003; Starr et al., 2003	
1545	<i>Eragrostis pectinacea</i> (Michx.) Nees	new islands (Kaua`i, Moloka`i, Kaho`olawe)	Lorence et al., 1995; Herbst & Clayton, 1998; Oppenheimer, 2006	
1545	<i>Eragrostis pectinacea</i> (Michx.) Nees var. <i>miserrima</i> (E. Fourn.) Reeder	new state (Kaua`i)	Snow & Lau, 2010	last collected in 1936 (ex?)
1545	<i>Eragrostis superba</i> Peyr.	new state (Hawai`i); new island (East Maui)	Herbst & Clayton, 1998; Starr & Starr, 2011	

1545	<i>Eragrostis tenuifolia</i> (A. Rich.) Steud.	new state (O`ahu, Hawai`i); new islands (East Maui, Lana`, Kauai)	Herbst & Clayton, 1998; Oppenheimer, 2004, 2008; Snow, 2008	
1545	<i>Eragrostis trichophora</i> Coss. & Durieu	new state (East Maui)	Snow & Lau, 2010	
1546	<i>Eriochloa punctata</i> (L.) Desv. ex Ham.	new islands (Moloka`i, West Maui)	Oppenheimer, 2003	
1546	<i>Eriochloa procera</i> (Retz.) C. E. Hubb.	new state (Moloka`i); new island (Midway)	Oppenheimer, 2008; Snow & Lau, 2010	
1547	<i>Festuca aloha</i> Catalán, Soreng & P. M. Peterson	new species (Kaua`i)	Catalán et al., 2009	previously misidentified as <i>F. rubra</i>
1547	<i>Schedonorus arundinaceus</i> (Schreb.) Dumort.	new islands (Kaua`i, East Maui, O`ahu); taxonomic change for <i>Festuca arundinacea</i>	Wagner et al., 1997; Oppenheimer, 2003; Herbst et al., 2004; Snow, 2008	
1547	<i>Festuca molokaiensis</i> Soreng, P. M. Peterson & Catalán	new species (Moloka`i)	Catalán et al., 2009	previously misidentified as <i>F. rubra</i>
1547	<i>Festuca rubra</i> L.	new islands (Kaua`i, Moloka`i); incorrectly reported from Kaua`i and Moloka`i	Wagner et al., 1997; Oppenheimer, 2008, 2011	
1548	<i>Garnotia acutigluma</i> (Steud.) Ohwi	new island (Kaua`i); incorrectly reported from Kaua`i	Lorence & Flynn, 1999; Snow & Davidse, 2011	specimen re-identified as <i>Dichelachne micrantha</i>
1550	<i>Hemarthria altissima</i> (Poir.) Stapf & C. E. Hubb.	new state (East Maui)	Starr et al., 2004	
1551	<i>Holcus lanatus</i> L.	range extension (West Maui)	Oppenheimer et al., 1999	
1552	<i>Hordeum brachyantherum</i> Nevski	new state (Hawai`i)	Herbst & Clayton, 1998	
1552, 1553	<i>Hordeum murinum</i> Huds. subsp. <i>leporinum</i> (Link) Arcang.	taxonomic change for <i>Hordeum leporinum</i>	Herbst & Clayton, 1998	<i>Hordeum murinum</i> Huds. subsp. <i>murinum</i> has apparently not been documented from the Hawaiian Is.
1552	<i>Hordeum vulgare</i> L.	new state (Kaua`i, O`ahu, Maui, Hawai`i)	Herbst & Wagner, 1999	

1554	<i>Hyparrhenia dregeana</i> (Nees) Stent	new state (Lana`i)	Herbst & Wagner, 1996	
1554	<i>Hyparrhenia hirta</i> (L.) Stapf	new state (Lana`i, Moloka`i)	Wagner & Herbst, 1995	
1556	<i>Ischaemum byrone</i> (Trin.) Hitchc.	new island (Kaua`i, O`ahu)	Lorence et al., 1995; Imada et al., 2000	
1556	<i>Ischaemum ciliare</i> Retzcius	nomenclatural change for <i>Ischaemum indicum</i>	Sun & Phillips, 2008	widely know by misapplied name <i>I. indicum</i> , which is actually
1557	<i>Ischaemum timorense</i> Kunth	new state (East Maui)	Herbst & Wagner, 1996	
1557	<i>Koeleria macrantha</i> (Ledeb.) Schult.	taxonomic change for <i>Koeleria nitida</i>	Herbst & Clayton, 1998	
1558	<i>Disakisperma dubia</i> (Kunth) P. M. Peterson & N. Snow	new state (Moloka`i); taxonomic change for <i>Leptochloa dubia</i>	Snow & Davidse, 2011; Peterson et al., in press	change based on molecular data`
1558, 1559	<i>Diplachne fusca</i> (L.) Kunth subsp. <i>uninervia</i> (J. Presl) P. M. Peterson & N. Snow	geographical and author corrections; taxonomic change for <i>L. uninervia</i> ; new islands (Midway, Lana`i); taxonomic change for <i>Leptochloa fusca</i> subsp. <i>uninervia</i>	Warren & Herbst, 1994; Herbst & Clayton, 1998; Imada et al., 2000; Starr & Martz, 2000; Oppenheimer, 2003; Peterson et al., in press	not known from Kaho`olawe; records based on misidentified <i>Eragrostis curvula</i> ; change based on molecular data
1560	<i>Lepturus repens</i> (G. Forster) R. Br.	new island (Ni,ihau)	Wood & LeGrande, 2006	
1560	<i>Leymus triticoides</i> (Buckley) Pilg.	new state (Hawai`i)	Herbst & Clayton, 1998	
1560	<i>Lolium tementulum</i> L.	new state (O`ahu)	Herbst & Wagner, 1999	
1559, 1561	<i>Lolium multiflorum</i> Lam.	new island (Moloka`i)	Herbst & Clayton, 1998	
1561	<i>Lolium perenne</i> L.	new islands (East Maui, O`ahu)	Starr et al., 2003; Frohlich & Lau, 2008	
1562	<i>Muhlenbergia mexicana</i> (L.) Trin.	new state (East Maui)	Herbst & Clayton, 1998	
1563	<i>Oplismenus compositus</i> (L.) P. Beauv.	new island (West Maui); range extension (East Maui)	Oppenheimer, 2003, 2008	
1565	<i>Oplismenus hirtellus</i> (L.) P. Beauv. subsp. <i>hirtellus</i>	taxonomic change to include infraspecific level	Snow & Lau, 2010	

1565	<i>Oplismenus hirtellus</i> (L.) P. Beauv. subsp. <i>undulatifolius</i> U. Scholz	taxonomic change to include infraspecific level	Snow & Lau, 2010	numerous collections of <i>O. hirtellus</i> reidentified as subsp. <i>undulatifolius</i>
1567	<i>Panicum antidotale</i> Retz.	new island (Maui)	Starr et al., 2003, 2004	
1567	<i>Panicum coloratum</i> L.	Correction	Herbst & Clayton, 1998	known only from cultivation in experimental grass plots; not naturalized
1568	<i>Panicum fauriei</i> Hitchc. var. <i>carteri</i> (Hosaka) Davidse	new island (L a na`i)	Herbst & Clayton, 1998	
1568	<i>Panicum fauriei</i> Hitchc. var. <i>fauriei</i>	new island (Lana`i)	Herbst & Clayton, 1998	
1568	<i>Panicum fauriei</i> Hitchc. var. <i>latius</i>	new island (Ni`ihau)	Wood & LeGrande, 2006	
1568	<i>Panicum konaense</i> Whitney & Hosaka	new island (Kaua`i)	Lorence et al., 1995	
1569	<i>Panicum longivaginatum</i> H. St. John	new species (Hawai`i)	St. John, 1987e; Herbst & Clayton, 1998,	rare
1569	<i>Urochloa maxima</i> (Jacq.) R. D. Webster	Taxonomic change for <i>Panicum maximum</i> Jacq.; new island (Midway: Sand Is.)	Zuloaga et al., 2003; Starr et al., 2002	
1570	<i>Panicum miliaceum</i> L.	new island (Kaua`i)	Lorence & Flynn, 1997	
1570	<i>Panicum niuhauense</i> H. St. John	new island (Kaua`i)	Lorence et al., 1995	
1571	<i>Panicum pellitum</i> Trin.	new island (Ni`ihau)	Herbst & Clayton, 1998	
1571	<i>Panicum repens</i> L.	new island (East Maui)	Starr et al., 2002	
1573	<i>Panicum tenuifolium</i> Hook. & Arn.	new island (Kaua`i)	Herbst & Clayton, 1998	
1574	<i>Panicum virgatum</i> L.	incorrectly included as naturalized	Snow & Lau, 2010	single collection likely from Ag. Exp. Station
1575	<i>Paspalum arundinaceum</i> Poir.	new state (East Maui)	Snow & Davidse, 2011	
1575	<i>Paspalum distichum</i> L.	new state (Kaua`i, O`ahu)	Herbst & Wagner, 1999	
1576	<i>Paspalidium distans</i> (Trin.) Hughes	new state (Ni`ihau)	Herbst & Clayton, 1998	
1572,	<i>Paspalum fimbriatum</i> Kunth	new islands (Moloka`i, East Maui, Lana`i) and range extension (West Maui)	Starr et al., 2002; Oppenheimer, 2003, 2008	

1576	<i>Paspalum longifolium</i> Roxb.	new state (Kaua`i); new island (East Maui)	Staples et al., 2003; Oppenheimer, 2004	
1576	<i>Paspalum macrophyllum</i> Kunth	new state (Hawai`i)	Herbst & Clayton, 1998	
1576	<i>Paspalum malacophyllum</i> Trin.	newly naturalized (West Maui)	Oppenheimer, 2004	
1576	<i>Paspalum mandiocanum</i> Trin. var. <i>mandiocanum</i>	new state (Maui, O`ahu, Moloka`i)	Snow & Davidse, 2011	
1576	<i>Paspalum notatum</i> Flügge	new state (Kaua`i); new islands (Maui, Moloka`i)	Lorence & Flynn, 1999; Oppenheimer, 2007, 2008	
1575	<i>Paspalum paniculatum</i> L.	new state (O`ahu, Hawai`i); new island (West Maui); range extension (East Maui); incorrectly reported from East Maui	Herbst & Wagner, 1999; Oppenheimer, 2004, 2007; Snow & Lau, 2010	East Maui specimen incorrectly identified, likely <i>P. laxum</i>
1577	<i>Paspalum setaceum</i> Michx.	new state (Midway); new island (East Maui)	Starr & Martz, 2000; Oppenheimer, 2007	
1577	<i>Paspalum unispicatum</i> (Scribn. & Merr.) Nash	new state (Kaua`i)	Snow & Davidse, 2011	
1577	<i>Paspalum vaginatum</i> Sw.	new islands (West Maui, Moloka`i)	Herbarium Pacificum Staff, 1999; Oppenheimer, 2003	
1578	<i>Paspalum virgatum</i> L.	new state (O`ahu)	Snow & Lau, 2010	
1578	<i>Cenchrus clandestinus</i> (Hochst. ex Chiov.)	new islands (Kaua`i, Moloka`i); taxonomic change for <i>Pennisetum clandestinum</i>	Hughes, 1995; Wagner & Herbst, 1995; Chemisquy et al., 2010	
1579	<i>Cenchrus complanatus</i> (Nees) Morrone	new state (O`ahu, Lana`i, Hawai`i); taxonomic change for <i>Pennisetum complanatum</i>	Herbst & Clayton, 1998; Chemisquy et al., 2010	
1579	<i>Panicum glaucum</i> L.	newly naturalized (West Maui); taxonomic change for <i>Pennisetum glaucum</i> ;	Oppenheimer, 2007; Chemisquy et al., 2010;	

1579	<i>Cenchrus polystachios</i> (L.) Morrone	new islands (Kaua`i, East Maui); taxonomic change for <i>Pennisetum polystachion</i> ; range extension (West Maui)	Starr et al., 2002, 2003, 2004; Chemisquy et al., 2010; Starr & Starr, 2011	
1579	<i>Cenchrus purpureus</i> (Schumach.) Morrone	new islands (Moloka`i, Kaho`olawe); taxonomic change for <i>Pennisetum purpureum</i>	Oppenheimer, 2003; Chemisquy et al., 2010; Starr & Starr, 2011	
1581	<i>Cenchrus setaceus</i> (Forssk.) Morrone	new islands (Kaho`olawe, Maui); taxonomic change for <i>Pennisetum setaceum</i>	Starr et al., 2006; Chemisquy et al., 2010	
1581	<i>Cenchrus longisetus</i> M. C. Johnst.	new state (Hawai`i); taxonomic change for <i>Pennisetum villosum</i>	Herbst & Clayton, 1998; Chemisquy et al., 2010	<i>Cenchrus villosus</i> (R. Br. ex Fresen.) Kuntze, nom. illeg., replaced name is <i>C. longisetus</i>
1582	<i>Phyllostachys aurea</i> Rivière & C. Rivière	newly naturalized (O`ahu)	Staples et al., 2002	
1582	<i>Phyllostachys nigra</i> (Lodd. ex Lindl.) Munro var. <i>henionis</i> (Mitford) Stapf ex Rendle	new islands (Kaua`i, Lana`i)	Oppenheimer, 2011	
1584	<i>Poa mannii</i> Munro ex Hillebr.	rediscovery (Kaua`i)	Lorence et al., 1995	
1585	<i>Polypogon interruptus</i> Kunth	new island (Kure)	Wagner & Herbst, 1995	
1585	<i>Polypogon fugax</i> Nees	new state (O`ahu), correction: a specimen misidentified by Hitchcock (1922) as <i>P. lutosus</i> , a synonym of <i>P. interruptus</i>	Herbst & Clayton, 1998	not known if naturalized
1587,	<i>Melinus repens</i> (Willd.) Zizka	taxonomic change for <i>Rynchelytrum repens</i>	Herbst & Clayton, 1998	<i>Rynchelytrum</i> included within <i>Melinus</i>
1588	<i>Rytidosperma biannulare</i> (Zotov) Connor & Edgar	new state (Maui, Moloka`i)	Snow, 2008	
1589	<i>Sacciolepis indica</i> (L.) Chase	new island (Lana`i)	Herbarium Pacificum Staff, 1999	
1589	<i>Schedonorus pratensis</i> (Huds.) P. Beauv.	new state record (Maui)	Snow, 2008	

1590	<i>Schizachyrium condensatum</i> (Kunth) Nees	new island (O`ahu); incorrectly reported from O`ahu	Herbst et al., 2004; Snow & Lau, 2010	
1590	<i>Schizachyrium scoparium</i> (Michx.) Nash	new state (Kaua`i; new islands (O`ahu, Maui)	Lorence et al., 1995; Herbst & Clayton, 1998; Snow & Lau, 2010	
1592	<i>Setaria palmifolia</i> (J. König) Stapf	new islands (Kaua`i, Moloka`i)	Staples et al., 2003; Oppenheimer, 2006	
1592	<i>Setaria parviflora</i> (Poir.) Kerguélen	taxonomic change for <i>Setaria gracilis</i> ; earlier date of introduction	Herbst & Clayton, 1998; Imada et al., 2000	collected on Kaua`i in 1851-1855 (<i>J. Rémy 106</i> , BISH)
1593	<i>Setaria sphacelata</i> Stapf & Hubb. ex H. B. Moss	newly naturalized (East Maui) and new islands (Kaua`i, O`ahu, Hawai`i)	Starr et al., 2002; Herbst et al., 2004	
1594	<i>Sorghum arundinaceum</i> (Desv.) Stapf	new state (Hawai`i)	Snow & Lau, 2010	
1594	<i>Sorghum bicolor</i> (L.) Moench	new island (West Maui); range extension (East Maui)	Oppenheimer, 2003; Starr et al., 2006	
1594	<i>Sorghum ×drummondii</i> (Steud.) Millsp. & Chase	newly naturalized (O`ahu, Lana`i)	Herbst & Clayton, 1998	
1596	<i>Sporobolus africanus</i> (Poir.) Robyns & Tournay	new island (Kaho`olawe)	Herbst & Clayton, 1998	
1596	<i>Sporobolus diander</i> (Retz.) P. Beauv.	new island (Kaua`i)	Lorence & Flynn, 1997	
1596	<i>Sporobolus pyramidatus</i> (Lam.) Hitchc.	newly naturalized in 1995 (Kure, Laysan, French Frigate Shoals, O`ahu), new islands (Kaua`i, Moloka`i, Midway, Hawai`i, Kaho`olawe)	Wagner & Herbst, 1995; Wood, 2006; Starr et al., 2006, 2010; Snow & Lau, 2010; Starr & Starr, 2011	
1597	<i>Sporobolus elongatus</i> R. Br.	new state (Lana`i); new islands (O`ahu, Hawai`i)	Herbst & Clayton, 1998; Snow, 2008	

1597	<i>Sporobolus indicus</i> R. Br.	correction	Herbst & Clayton, 1998	all collections from Maui and Kaho`olawe are misidentified specimens of <i>S. africanus</i> ; <i>S. indicus</i> has not been documented from either island
1597	<i>Sporobolus piliferus</i> (Trin.) Kunth	new state (Hawai`i); new islands (O`ahu, Midway); incorrectly reported from Hawai`i	Herbst & Clayton, 1998; Snow, 2008; Starr et al., 2010; Snow & Lau, 2010	specimen re-identified as <i>S. pyramidatus</i>
1597	<i>Sporobolus pyramidalis</i> P. Beauv.	new state (Hawai`i); incorrectly reported from Hawai`i	Herbst & Clayton, 1998; Snow, 2008	specimen re-identified as <i>S. elongatus</i>
1595, 1598	<i>Stenotaphrum secundatum</i> (Walter) Kuntze	new island (East Maui) and range extension (West Maui)	Oppenheimer & Bartlett, 2000; Oppenheimer & Bartlett, 2002	
1599, 1600	<i>Nassella cernua</i> (Stebbins & Á. Löve) Barkworth	taxonomic change from <i>Stipa cernua</i> Stebbins & Á. Löve	Barkworth, 1990	
1601	<i>Tragus berteronianus</i> Schult.	New island (O`ahu)	Snow & Davidse, 2011	
1602	<i>Trisetum flavescens</i> (L.) P. Beauv.	new state (East Maui)	Herbst & Clayton, 1998	
1602	<i>Trisetum glomeratum</i> (Kunth) Trin.	correction	Herbst & Clayton, 1998	<i>T. glomeratum</i> is not on Lana`i; all documentation based on misidentified specimens of <i>T. inaequale</i>
1602	<i>Trisetum inaequale</i> Whitney	notable rediscovery (Lana`i)	Oppenheimer, 2008	last collected on Lana`i in 1938
1600, 1603	<i>Festuca bromoides</i> L.	taxonomic change for <i>Vulpia bromoides</i>	Catalán et al., 2007; Inda et al., 2008	molecular data show <i>Vulpia</i> to be nexted within <i>Festuca</i>
1603	<i>Festuca myuros</i> L.	taxonomic change for <i>Vulpia myuros</i>	Catalán et al., 2007; Inda et al., 2008	molecular data show <i>Vulpia</i> to be nexted within <i>Festuca</i>
1604	<i>Zoysia matrella</i> (L.) Merr. var. <i>pacifica</i> Goudsw.	newly naturalized (Kaua`i)	Flynn & Lorence, 1998	
1606	<i>Monochoria vaginalis</i> (Burm. f.) K. Presl	new islands (Hawai`i, Moloka`i)	Wagner & Herbst, 1995; Oppenheimer, 2011	

1608	<i>Potamogeton tricarinatus</i> A. Benn.	new state (East Maui)	unpubl.	based on herbarium specimen (Forbes 260.M) determined by R. R. Haynes, 1990. <i>Coleogeton</i> raised from subgeneric to generic level as <i>Coleogeton pectinatus</i> (L.) Les & Haynes, but earlier generic name <i>Stuckenia</i> was already available with the same type
1608	<i>Stuckenia pectinata</i> (L.) Börner	Taxonomic change for <i>Potamogeton pectinatus</i> and new island (Hawai`i)	Wagner & Herbst, 1995; Les & Haynes, 1997; Haynes et al., 1998; Herbst, 1998	
1611, 1614	<i>Typha latifolia</i> L.	new island (Hawai`i)	Staples et al., 2003	
1618	<i>Alpinia zerumbet</i> (Pers.) B. L. Burtt & R. M. Sm.	newly naturalized (Kaua`i); new island (West Maui, Moloka`i)	Flynn & Lorence, 2002; Oppenheimer, 2008, 2010	
1623	<i>Hedychium gardnerianum</i> Ker-Gawler	new island (O`ahu)	Staples et al., 2006	
1619, 1623	<i>Zingiber zerumbet</i> (L.) Sm.	new island (Hawai`i)	Oppenheimer, 2003	

TABLE 2: Fern updates

Page	Taxon	Type of Record	Citation	Comment
46, 47	<i>Thelypteris globulifera</i> (Brack.) C. F. Reed	taxonomic change for <i>Amauropelta globulifera</i>	Smith et al., 2006, Snow et al., 2011	
48	<i>Angiopteris evecta</i> (G. Forst.) Hoffm.	new islands (Kaua`i, Moloka`i)	Wood, 2006; Oppenheimer, 2010	
60	<i>Asplenium diellaciniatum</i> Viane	resurrected from synonymy of <i>A. dielerectum</i>	Lorence, in prep.	
60	<i>Asplenium haleakalense</i> W. H. Wagner	new island (Hawai`i)	Kennedy, 2010	
83, 84	<i>Ceratopteris thalictroides</i> (L.) Brongn.	new island (Hawai`i)	Imada, 2007	
85, 86	<i>Cheilanthes viridis</i> (Forssk.) Sw.	new island (Lana`i)	Oppenheimer, 2007	
87, 89	<i>Cyclosorus boydiae</i> (D. C. Eaton) W. H. Wagner	taxonomic change	Smith et al., 2006, Snow et al., 2011	following generic taxonomy of Smith et al., 2006
88	<i>Cyclosorus cyatheoides</i> (Kaulf.) Farw.	taxonomic change	Smith et al., 2006, Snow et al., 2011	see note under <i>Cyclosorus boydiae</i>
88	<i>Cyclosorus dentatus</i> (Forssk.) Ching	taxonomic change for <i>Christella dentata</i> ; new island (Ni`ihau)	Smith et al., 2006, Snow et al., 2011; Imada, 2007	see note under <i>Cyclosorus boydiae</i>
89	<i>Cyclosorus parasiticus</i> (L.) Farw.	taxonomic change for <i>Christella parasitica</i>	Smith et al., 2006, Snow et al., 2011	see note under <i>Cyclosorus boydiae</i>
90	<i>Cyclosorus waialele</i> (Flynn) W. H. Wagner	taxonomic change	Smith et al., 2006, Snow et al., 2011	see note under <i>Cyclosorus boydiae</i>
100, 101	<i>Ctenitis squamigera</i> (Hook. & Arn.) Copel	range rediscovery (Kaua`i)	Wood, in press	
108	<i>Davallia fejeensis</i> Hook.	newly naturalized (O`ahu)	Frohlich & Lau, 2008	
109	<i>Deparia cataracticola</i> M. Kato	new species (Kaua`i)	Kato, 2001	
113	<i>Dicksonia fibrosa</i> Col.	newly naturalized (Hawai`i)	Lorence & Flynn, 2006	
117, 118	<i>Asplenium dielerectum</i> Viane	rediscovery (Kaua`i); taxonomic change for <i>Diellia erecta</i>	Wood, 2006; Schneider et al, 2005, Snow et al., 2011	<i>Diellia</i> not recognized as distinct from <i>Asplenium</i>

118, 119	<i>Asplenium dielfalcatum</i> Viane	taxonomic change for <i>Diellia falcata</i>	Schneider et al, 2005, Snow et al., 2011	<i>Diellia</i> not recognized as distinct from <i>Asplenium</i>
119, 121	<i>Asplenium leucostegioides</i> Baker	taxonomic change	Schneider et al, 2005, Snow et al., 2011	<i>Diellia</i> not recognized as distinct from <i>Asplenium</i>
120, 121	<i>Asplenium dielmannii</i> Viane	taxonomic change for <i>Diellia mannii</i> ; rediscovery (Kaua`i)	Schneider et al, 2005, Snow et al., 2011; Wood, 2007	<i>Diellia</i> not recognized as distinct from <i>Asplenium</i>
120, 121	<i>Asplenium dielpallidum</i> N. Snow	taxonomic change for <i>Diellia pallida</i> and new combination	Schneider et al, 2005, Snow et al., 2011	<i>Diellia</i> not recognized as distinct from <i>Asplenium</i>
121, 122	<i>Asplenium unisorum</i> (W.H. Wagner) Viane	taxonomic change for <i>Diellia unisora</i>	Schneider et al, 2005, Snow et al., 2011	<i>Diellia</i> not recognized as distinct from <i>Asplenium</i>
122	<i>Asplenium xlaui</i>	taxonomic change	Schneider et al, 2005, Snow et al., 2011	<i>Diellia</i> not recognized as distinct from <i>Asplenium</i>
125	<i>Diplazium esculentum</i> (Retz.) Sw.	new island (Moloka`i)	Oppenheimer, 2007	
125, 126	<i>Diplazium molokaiense</i> W. J. Rob.	range rediscovery (W. Maui)	Wood, 2007	
140	<i>Dryopteris fusco-atra</i> (Hillebr.) W. J. Rob var. <i>lamoureuxii</i> Fraser-Jenk.	range extension (West Maui)	Oppenheimer, 2011	
158, 159	<i>Elaphoglossum paleaceum</i> (Hook. & Grev.)	new island (Lana`i)	Oppenheimer, 2010	
162	<i>Crepidomanes minutum</i> (Blume) K. Iwats.	taxonomic change for <i>Gonocormus minutus</i>	Ebihara et al., 2006	
162	<i>Crepidomanes proliferum</i> (Blume) Bostock	taxonomic change for <i>Gonocormus prolifer</i>	Ebihara et al., 2006	
165	<i>Adenophorus tenellus</i> (Kaulf.) Ranker	taxonomic change for <i>Grammitis tenella</i>	Ranker et al., 2003, 2004; Ranker, 2008	
167	<i>Hypolepis hawaiiensis</i> Brownsey var. <i>mauiensis</i> (Hillebr.) D. D. Palmer	range extension (East Maui)	Oppenheimer, 2008	
169	<i>Stenogrammitis saffordii</i> (Maxon) Labiak	taxonomic change for <i>Lellingeria saffordii</i>	Labiak, 2011	based on molecular data a further refinement of delimitation of <i>Lellingeria</i>
173, 174	<i>Lindsaea ensiifolia</i> Sw.	new island (Moloka`i)	Oppenheimer, 2008	

182	<i>Hymenophyllum recurvum</i> Gaudich.	taxonomic change for <i>Mecodium recurvum</i>	Ebihara et al., 2006	
184, 185	<i>Microlepidia speluncae</i> (L.) T. Moore	new island (Moloka'i)	Oppenheimer, 2008	
184	<i>Microlepidia strigosa</i> (L.) T. Moore	new island (West Maui)	Oppenheimer, 2004	rare, with only a few plants known
193	<i>Nephrolepis</i> × <i>copelandii</i> W. H. Wagner	new island (West Maui)	Oppenheimer, 2004	
193	<i>Nephrolepis brownii</i> (Desv.) Hovenkamp & Miyam.	nomenclature change for <i>Nephrolepis multiflora</i> ; new island (Ni'ihau)	Hovenkamp & Miyamoto, 2005; Wood & LeGrande, 2006	
194, 195	<i>Dryopteris rubiginosa</i> (Brack.) Kuntze	taxonomic change for <i>Nothoperanema rubiginosa</i>	Geiger & Ranker, 2005 and Smith et al., 2006	
196, 197	<i>Ophioglossum pendulum</i> L.	taxonomic change for <i>Ophioderma pendulum</i>	Smith et al., 2006	
199	<i>Ophioglossum petiolatum</i> Hook.	new island (Moloka'i)	Oppenheimer, 2010	
207	<i>Phymatosorus scolopendria</i> (Burm. f.) Pic. Serm.	newly naturalized (Maui)	Oppenheimer, 2006	
212, 213	<i>Cyclosorus hudsonianus</i> (Brack.) Ching	taxonomic change for <i>Pneumatopteris hudsoniana</i>	Smith et al., 2006, Snow et al., 2011	<i>Pneumatopteris</i> not recognized as distinct from <i>Cyclosorus</i>
214	<i>Cyclosorus pendens</i> (D. D. Palmer) N. Snow	new species; taxonomic change; range re-discovery (Kaua'i)	Palmer, 2005; Snow et al., 2011; Wood, in press	<i>Pneumatopteris</i> not recognized as distinct from <i>Cyclosorus</i>
214	<i>Cyclosorus sandwicensis</i> (Brack.) Copel.	taxonomic change	Smith et al., 2006, Snow et al., 2011	<i>Pneumatopteris</i> not recognized as distinct from <i>Cyclosorus</i>
216	<i>Polypodium pellucidum</i> Kaulf. var. <i>pellucidum</i> f. <i>opacum</i> (Hillebr.) D. D. Palmer	new island (West Maui)	Oppenheimer, 2004	
223, 224	<i>Pteridium aquilinum</i> (L.) Kuhn subsp. <i>decompositum</i> (Gaudich) Lamoureux ex J. A. Thomson	taxonomic change for <i>P. aquilinum</i> var. <i>decompositum</i>	Thomson, 2004	
229	<i>Pteris lidgatei</i> (Baker) Christ	rediscovery (Moloka'i)	Oppenheimer, 2008	last collected on Moloka'i in 1912
229	<i>Pteris tremula</i> R. Br.	newly naturalized (East Maui)	Oppenheimer, 2007	
230	<i>Pteris vittata</i> L.	new islands (Lana'i, Moloka'i)	Oppenheimer, 2004, 2008	

242	<i>Hymenophyllum lanceolatum</i> Hook. & Arn.	taxonomic change for <i>Sphaerocionium lanceolatum</i>	Ebihara et al., 2006
243	<i>Hymenophyllum obtusum</i> Hook. & Arn.	taxonomic change for <i>Sphaerocionium obtusum</i>	Ebihara et al., 2006
243, 244	<i>Sphaeropteris cooperi</i> (Hook. ex F. Muell.) R. M. Tryon	new island (Lana`i)	Oppenheimer, 2008
249, 250	<i>Tectaria incise</i> Cav.	new island (East Maui)	Imada, 2007
253	<i>Crepidomanes draytonianum</i> (Brack.) Ebihara & K. Iwats.	taxonomic change for <i>Vandenboschia draytoniana</i>	Ebihara et al., 2006
265	<i>Huperzia filiformis</i> (Sw.) Holub	new island (Kaua`i)	Wood, in press
272, 273	<i>Psilotum nudum</i> (L.) P. Beauv.	new island (Midway Atoll)	Kennedy, 2010
273	<i>Botrychium subbifoliatum</i> Brack.	taxonomic change for <i>Scepтрidium subbifoliatum</i>	Smith et al., 2006

TABLE 3: Naturalized Gymnosperms

Taxon	Type of Record	Citation	Comment
<i>Araucaria columnaris</i> (Forst.) Hook.	newly naturalized (West Maui), new islands (Moloka`i, Lana`i)	Oppenheimer, 2002, 2007, 2008	
<i>Callitris columellaris</i> F. Muell.	newly naturalized (West Maui)	Oppenheimer, 2002	
<i>Cupressus macrocarpa</i> Gordon	newly naturalized (East Maui)	Starr et al., 2008	
<i>Juniperus bermudiana</i> L.	newly naturalized (West Maui); new island (Lana`i)	Oppenheimer, 2002, 2008	
<i>Pinus caribaea</i> Morelot var. <i>hondurensis</i> (Seneclauze) W. H. Barrett & Golfari	newly naturalized (West Maui)	Oppenheimer, 2003	
<i>Pinus elliottii</i> Engelm.	newly naturalized (Moloka`i)	Wysong & Hughes, 2007	
<i>Pinus patula</i> Schiede & ex Schltdl. & Cham.	newly naturalized (East Maui)	Oppenheimer, 2002	
<i>Pinus radiata</i> D. Don	newly naturalized (East Maui)	Oppenheimer, 2002	
<i>Pinus taeda</i> L.	newly naturalized (Lana`i)	Oppenheimer, 2008	
<i>Nageia falcatus</i> (Thunb.) Kuntze	newly naturalized (East Maui)	Oppenheimer, 2002	
<i>Cryptomeria japonica</i> (L.f.) D. Don	newly naturalized (West Maui)	Oppenheimer, 2002	

TABLE 4: New Family Classification

OldFamily	NewFamily	Genus
Agavaceae	Xanthorrhoeaceae	<i>Phormium</i>
Agavaceae	Asparagaceae	<i>Cordyline</i>
Agavaceae	Asparagaceae	<i>Fucrea</i>
Agavaceae	Asparagaceae	<i>Pleomele</i>
Agavaceae	Asparagaceae	<i>Sansevieria</i>
Aloeaceae	Xanthorrhoeaceae	<i>Aloe</i>
Apiaceae	Araliaceae	<i>Hydrocotyle</i>
Asclepiadaceae	Apocynaceae	<i>Asclepias</i>
Asclepiadaceae	Apocynaceae	<i>Hoya</i>
Asclepiadaceae	Apocynaceae	<i>Stapelia</i>
Athyriaceae	Woodsiaceae	<i>Athyrium</i>
Athyriaceae	Woodsiaceae	<i>Cystopteris</i>
Athyriaceae	Woodsiaceae	<i>Deparia</i>
Athyriaceae	Woodsiaceae	<i>Diplazium</i>
Azollaceae	Salviniaceae	<i>Azolla</i>
Buddlejaceae	Scrophulariaceae	<i>Buddleja</i>
Capparaceae	Cleomaceae	<i>Cleome</i>
Caprifoliaceae	Adoxaceae	<i>Sambucus</i>
Cecropiaceae	Urticaceae	<i>Cecropia</i>
Celastraceae	Dipentodontaceae	<i>Perrottetia</i>
Chenopodiaceae	Amaranthaceae	<i>Atriplex</i>
Chenopodiaceae	Amaranthaceae	<i>Bassia</i>
Chenopodiaceae	Amaranthaceae	<i>Chenopodium</i>
Chenopodiaceae	Amaranthaceae	<i>Dysphania</i>
Chenopodiaceae	Amaranthaceae	<i>Enchylaena</i>
Chenopodiaceae	Amaranthaceae	<i>Salicornia</i>
Chenopodiaceae	Amaranthaceae	<i>Salsola</i>
Clusiaceae	Hypericaceae	<i>Hypericum</i>
Cuscutaceae	Convolvulaceae	<i>Cuscuta</i>
Dicksoniaceae	Cibotiaceae	<i>Cibotium</i>
Dryopteridaceae	Tectariaceae	<i>Tectaria</i>
Epacridaceae	Ericaceae	<i>Leptecophylla</i>
Euphorbiaceae	Phyllanthaceae	<i>Antidesma</i>
Euphorbiaceae	Phyllanthaceae	<i>Bischofia</i>
Euphorbiaceae	Phyllanthaceae	<i>Breynia</i>
Euphorbiaceae	Phyllanthaceae	<i>Flueggea</i>
Euphorbiaceae	Phyllanthaceae	<i>Phyllanthus</i>
Flacourtiaceae	Salicaceae	<i>Dovyalis</i>
Flacourtiaceae	Salicaceae	<i>Xylosma</i>
Grammitidaceae	Polypodiaceae	<i>Adenophorus</i>
Grammitidaceae	Polypodiaceae	<i>Grammitis</i>
Grammitidaceae	Polypodiaceae	<i>Lellingeria</i>

Hydrophyllaceae	Boraginaceae	<i>Nama</i>
Lemnaceae	Araceae	<i>Landoltia</i>
Lemnaceae	Araceae	<i>Lemna</i>
Lemnaceae	Araceae	<i>Spirodela</i>
Lemnaceae	Araceae	<i>Wolffia</i>
Liliaceae	Asparagaceae	<i>Asparagus</i>
Liliaceae	Asteliaceae	<i>Astelia</i>
Liliaceae	Xanthorrhoeaceae	<i>Dianella</i>
Liliaceae	Amaryllidaceae	<i>Hippeastrum</i>
Liliaceae	Amaryllidaceae	<i>Zephyranthes</i>
Lomariopsidaceae	Dryopteridaceae	<i>Elaphoglossum</i>
Myrsinaceae	Primulaceae	<i>Myrsine</i>
Myrsinaceae	Primulaceae	<i>Lysimachia</i>
Najadaceae	Hydrocharitaceae	<i>Najas</i>
Nephrolepidaceae	Lomariopsidaceae	<i>Nephrolepis</i>
Scrophulariaceae	Plantaginaceae	<i>Antirrhinum</i>
Scrophulariaceae	Plantaginaceae	<i>Bacopa</i>
Scrophulariaceae	Orobanchaceae	<i>Buchnera</i>
Scrophulariaceae	Orobanchaceae	<i>Castilleja</i>
Scrophulariaceae	Plantaginaceae	<i>Cymbalaria</i>
Scrophulariaceae	Plantaginaceae	<i>Dopatrium</i>
Scrophulariaceae	Plantaginaceae	<i>Hebe</i>
Scrophulariaceae	Plantaginaceae	<i>Linaria</i>
Scrophulariaceae	Plantaginaceae	<i>Lindernia</i>
Scrophulariaceae	Plantaginaceae	<i>Lophospermum</i>
Scrophulariaceae	Plantaginaceae	<i>Maurandya</i>
Scrophulariaceae	Phrymaceae	<i>Mazus</i>
Scrophulariaceae	Orobanchaceae	<i>Orthocarpus</i>
Scrophulariaceae	Orobanchaceae	<i>Parentucellia</i>
Scrophulariaceae	Plantaginaceae	<i>Torenia</i>
Scrophulariaceae	Plantaginaceae	<i>Veronica</i>
Schizaeaceae	Lygodiaceae	<i>Lygodium</i>
Sterculiaceae	Malvaceae	<i>Melochia</i>
Sterculiaceae	Malvaceae	<i>Sterculia</i>
Sterculiaceae	Malvaceae	<i>Waltheria</i>
Taccaceae	Dioscoreaceae	<i>Tacca</i>
Theaceae	Pentaphylaceae	<i>Eurya</i>
Tiliaceae	Malvaceae	<i>Heliocarpus</i>
Tiliaceae	Malvaceae	<i>Triumfetta</i>
Turneraceae	Passifloraceae	<i>Turnera</i>
Ulmaceae	Cannabaceae	<i>Trema</i>
Verbenaceae	Lamiaceae	<i>Clerodendrum</i>
Verbenaceae	Lamiaceae	<i>Vitex</i>
Viscaceae	Santalaceae	<i>Korthalsella</i>
Vitariaceae	Pteridaceae	<i>Haplopteris</i>

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