

TABLE 2.—SUMMARY OF EXISTING OCCURRENCES AND LAND OWNERSHIP FOR 70 SPECIES REPORTED FROM MAUI AND KAHOO LAWE—Continued

Species	Number of current occurrences	Land ownership		
		Federal	State	Private
<i>Zanthoxylum hawaiiense</i> .....	9	.....	X	X

\* Haleakala National Park Lands.

\*\* Kanaio Army National Guard Lands.

**Previous Federal Action**

Federal action on these plants began as a result of section 12 of the Endangered Species Act of 1973, as amended (Act) (16 U.S.C. 1531 *et seq.*), which directed the Secretary of the Smithsonian Institution to prepare a report on plants considered to be endangered, threatened, or extinct in the United States. This report, designated as House Document No. 94–51, was presented to Congress on January 9, 1975. In that document, *Alectryon macrococcus* (as *Alectryon macrococcum* var. *macrococcum* and *Alectryon mahoe*), *Bonamia menziesii*, *Brighamia rockii*, *Clermontia lindseyana*, *Colubrina oppositifolia*, *Cyanea glabra* (as *Cyanea scabra* var. *variabilis*), *Cyanea lobata* (as *Cyanea baldwinii*), *Cyanea mceldowneyi*, *Flueggea neowawraea* (as *Drypetes phyllanthoides*), *Geranium arboreum*, *Geranium multiflorum* (as *Geranium multiflorum* var. *multiflorum*, var. *ovatifolium*, and var. *superbum*), *Hedyotis mannii* (as *Hedyotis thyrsoidea* var. *thyrsoidea*), *Hesperomannia arborescens* (as *Hesperomannia arborescens* var. *bushiana* and var. *swezeyi*), *Hesperomannia arbuscula*, *Hibiscus brackenridgei* (as *Hibiscus brackenridgei* var. *brackenridgei*, var. *mokuleianus*, and var. “from Hawaii”), *Ischaemum byrnone*, *Melicope balloui* (as *Pelea balloui*), *Melicope knudsenii* (as *Pelea multiflora*), *Melicope ovalis* (as *Pelea ovalis*), *Neraudia sericea* (as *Neraudia kahoolawensis*), *Nototrichium humile*, *Peucedanum sandwicense* (as *Peucedanum kauaiense*), *Phyllostegia mollis*, *Plantago princeps* (as *Plantago princeps* var. *elata*, var. *laxiflora*, var.

*princeps*), *Remya mauensis*, *Sesbania tomentosa* (as *Sesbania hobdyi* and *Sesbania tomentosa* var. *tomentosa*), *Vigna o-wahuensis* (as *Vigna sandwicensis* var. *heterophylla* and var. *sandwicensis*), and *Zanthoxylum hawaiiense* (as *Zanthoxylum hawaiiense* var. *citriodora*), were considered to be endangered; *Cyrtandra munroi*, *Diellia erecta*, and *Zanthoxylum hawaiiense* (as *Zanthoxylum hawaiiense* var. *hawaiiense* and var. *velutinum*) were considered to be threatened; and *Asplenium fragile* var. *insulare* (as *Asplenium fragile*), *Bidens micrantha* ssp. *kalealaha* (as *Bidens distans* and *Bidens micrantha* ssp. *kalealaha*), *Ctenitis squamigera*, *Diplazium molokaiense*, *Gouania vitifolia*, *Hedyotis coriacea*, *Isodendron pyrifolium*, *Melicope knudsenii* (as *Pelea knudsenii* and *Pelea tomentosa*), *Melicope mucronulata* (as *Pelea mucronulata*), *Phlegmariurus mannii* (as *Lycopodium mannii*), *Plantago princeps* (as *Plantago princeps* var. *acaulis* var. *denticulata*, and var. *queleniana*), *Pteris lidgatei*, *Tetramolopium arenarium* (as *Tetramolopium arenarium* var. *arenarium*, var. *confertum*, and var. *dentatum*), *Tetramolopium capillare*, and *Tetramolopium remyi* were considered extinct. On July 1, 1975, we published a notice in the **Federal Register** (40 FR 27823) of our acceptance of the Smithsonian report as a petition within the context of section 4(c)(2) (now section 4(b)(3)) of the Act, and gave notice of our intention to review the status of the plant taxa named therein. As a result of that review, on June 16, 1976, we published

a proposed rule in the **Federal Register** (41 FR 24523) to determine endangered status pursuant to section 4 of the Act for approximately 1,700 vascular plant taxa, including all of the above taxa except *Cyanea glabra* and *Cyrtandra munroi*; additionally, *Argyroxiphium sandwicense* ssp. *macrocephalum* (as *Argyroxiphium macrocephalum*) appeared in the 1976 proposed rule as endangered. The list of 1,700 plant taxa was assembled on the basis of comments and data received by the Smithsonian Institution and the Service in response to House Document No. 94–51 and the July 1, 1975, **Federal Register** publication (40 FR 27823).

General comments received in response to the 1976 proposal were summarized in an April 26, 1978, **Federal Register** publication (43 FR 17909). In 1978, amendments to the Act required that all proposals over two years old be withdrawn. A 1-year grace period was given to proposals already over two years old. On December 10, 1979, we published a notice in the **Federal Register** (44 FR 70796) withdrawing the portion of the June 16, 1976, proposal that had not been made final, along with four other proposals that had expired. We published updated Notices of Review for plants on December 15, 1980 (45 FR 82479), September 27, 1985 (50 FR 39525), February 21, 1990 (55 FR 6183), September 30, 1993 (58 FR 51144), and February 28, 1996 (61 FR 7596). We listed the 70 species as endangered or threatened between 1991 and 1999. A summary of the listing actions can be found in Table 3(a).

TABLE 3(a).—SUMMARY OF LISTING ACTIONS FOR 70 PLANT SPECIES FROM MAUI AND KAHOO LAWE

Species	Federal status	Proposed listing rule		Final listing rule	
		Date	Federal Register	Date	Federal Register
<i>Acaena exigua</i> .....	E	05/24/91	56 FR 23842	05/15/92	57 FR 20772
<i>Adenophorus periens</i> .....	E	09/14/93	58 FR 48012	11/10/94	59 FR 56333
<i>Alectryon macrococcus</i> .....	E	05/24/91	56 FR 23842	05/15/92	57 FR 20772
<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i> .....	T	05/24/91	56 FR 23842	05/15/92	57 FR 20772
<i>Asplenium fragile</i> var. <i>insulare</i> .....	E	06/24/93	58 FR 34231	09/09/94	59 FR 49025
<i>Bidens micrantha</i> ssp. <i>kalealaha</i> .....	E	05/24/91	56 FR 23842	05/15/92	57 FR 20772
<i>Bonamia menziesii</i> .....	E	09/14/93	58 FR 48012	11/10/94	59 FR 56333