

Plantago princeps. We excluded the proposed critical habitat on Haleakala Ranch lands because the benefits of excluding these lands outweighed the benefits of including them in critical habitat (see 4(b)(2) exclusion section). We excluded the proposed critical habitat for the Maui endemic *Geranium arboreum* and the multi-island species *Diplazium molokaiense*, *Phlegmariurus mannii*, *Phyllostegia mollis*, and *Plantago princeps*. The portion excluded was not essential to the conservation of these five species because it has a lower proportion of associated native species than other areas we consider to be essential to the conservation of these five species. There is a lower likelihood that the biological features essential to these species will persist there because it has a low likelihood of being managed for conservation (Silva *in litt.*, 2002). There is habitat designated elsewhere on Maui for *Diplazium molokaiense*, *Geranium arboreum*, *Phlegmariurus mannii*, *Phyllostegia mollis*, and *Plantago princeps*.

The area designated as critical habitat for the Maui endemic species provides habitat for one population of *Argyroxiphium sandwicense* ssp. *macrocephalum*, three populations of *Geranium arboreum*, and six populations of *Geranium multiflorum* within their historical ranges. The area designated as critical habitat for the multi-island species provides habitat for two populations of *Asplenium fragile* var. *insulare*, four populations of *Bidens micrantha* ssp. *kalealaha*, and one population each of *Clermontia lindseyana* and *Diellia erecta* within their historical ranges.

These modifications resulted in the reduction from 3,491 ha (8,625 ac) to 2,961 ha (7,383 ac). This unit was renamed 9—*Argyroxiphium sandwicense* ssp. *macrocephalum*—a, 9—*Asplenium fragile* var. *insulare*—a, 9—*Bidens micrantha* ssp. *kalealaha*—b, 9—*Clermontia lindseyana*—b, 9—*Diellia erecta*—a, 9—*Geranium multiflorum*—b, 14—*Geranium arboreum*—b, and 15—*Geranium arboreum*—c.

Maui J

This unit was proposed as critical habitat for eight species: *Argyroxiphium sandwicense* ssp. *macrocephalum*; *Asplenium fragile* var. *insulare*; *Bidens micrantha* ssp. *kalealaha*; *Clermontia samuelii*; *Geranium multiflorum*; *Plantago princeps*; *Platanthera holochila*; and *Schiedea haleakalensis*. We excluded the proposed critical habitat for *Argyroxiphium sandwicense* ssp. *macrocephalum*, *Geranium*

multiflorum, and *Platanthera holochila* in Maui J. This area is not essential to the conservation of these three species because it has a lower proportion of associated native species than other areas we consider to be essential to the conservation of these three species. For the Maui endemic *Argyroxiphium sandwicense* ssp. *macrocephalum*, the recovery goal is one population with more than 50,000 individuals. We are designating habitat essential for the conservation of this species in Maui unit 9. There are at least eight other locations on Maui which provide habitat for the endemic species *Geranium multiflorum* that are being designated as critical habitat. There are at least eight other locations in its historical range on Maui and other islands that provide habitat for the multi-island species *Platanthera holochila* that are being designated as critical habitat, have been designated as critical habitat, or have been proposed for designation.

The area designated as critical habitat for the Maui endemic species *Schiedea haleakalensis* provides habitat within its historical range for four populations. The area designated as critical habitat for the multi-island species provides habitat for two populations of *Asplenium fragile* var. *insulare*, three populations of *Bidens micrantha* ssp. *kalealaha*, five populations of *Clermontia samuelii*, and one population of *Plantago princeps* within their historical ranges.

These modifications resulted in the reduction from 5,790 ha (14,308 ac) to 5,785 ha (14,295 ac). This unit was renamed 9—*Asplenium fragile* var. *insulare*—a, 9—*Bidens micrantha* ssp. *kalealaha*—a, 9—*Clermontia samuelii*—a, 9—*Plantago princeps*—a, 9—*Schiedea haleakalensis*—a, and 9—*Schiedea haleakalensis*—b.

Maui K

This unit was proposed as critical habitat for 11 species: *Alectryon macrococcus*; *Clermontia samuelii*; *Cyanea copelandii* ssp. *haleakalaensis*; *Cyanea glabra*; *Cyanea hamatiflora* ssp. *hamatiflora*; *Geranium multiflorum*; *Melicope balloui*; *Melicope ovalis*; *Phlegmariurus mannii*; *Plantago princeps*; and *Platanthera holochila*. We excluded the proposed critical habitat for *Alectryon macrococcus*, *Clermontia samuelii*, *Cyanea copelandii* ssp. *haleakalaensis*, *Cyanea hamatiflora* ssp. *hamatiflora*, and *Plantago princeps*. This area is not essential to the conservation of these five species because it has a lower proportion of associated native species than other areas we consider to be essential to the

conservation of these five species, and there are at least eight other locations that have been designated or proposed to meet the recovery goal of 8 to 10 populations throughout their historical ranges on this and other islands.

The area designated as critical habitat for the Maui endemic species provides habitat for six populations of *Geranium multiflorum*, two populations of *Melicope balloui*, and three populations of *Melicope ovalis* within their historical ranges. The area designated as critical habitat for the multi-island species provides habitat for five populations of *Clermontia samuelii*, three populations each of *Cyanea glabra* and *Phlegmariurus mannii*, and one population of *Platanthera holochila* within their historical ranges.

These modifications resulted in the reduction from 5,464 ha (13,502 ac) to 5,458 ha (13,487 ac). This unit was renamed 9—*Clermontia samuelii*—a, 9—*Cyanea glabra*—b, 9—*Cyanea glabra*—c, 9—*Geranium multiflorum*—b, 9—*Melicope balloui*—b, 9—*Melicope ovalis*—a, 9—*Phlegmariurus mannii*—c, and 9—*Platanthera holochila*—a.

Maui L

This unit was proposed as critical habitat for 16 species: *Alectryon macrococcus*; *Argyroxiphium sandwicense* ssp. *macrocephalum*; *Asplenium fragile* var. *insulare*; *Clermontia samuelii*; *Cyanea copelandii* ssp. *haleakalaensis*; *Cyanea glabra*; *Cyanea hamatiflora* ssp. *hamatiflora*; *Cyanea mceldowneyi*; *Diplazium molokaiense*; *Geranium multiflorum*; *Melicope balloui*; *Phlegmariurus mannii*; *Phyllostegia mollis*; *Platanthera holochila*; and *Zanthoxylum hawaiiense*. We excluded the proposed critical habitat for the Maui endemic *Cyanea mceldowneyi*, and the multi-island species *Alectryon macrococcus* and *Asplenium fragile* var. *insulare*. The portion excluded has a lower likelihood that the biological features essential to these species will persist because it has a low likelihood of being managed for conservation. In addition, there are at least eight other locations that have been designated or proposed to meet the recovery goal of 8 to 10 populations throughout their historical ranges on this and other islands.

The area designated as critical habitat for the Maui endemic species provides habitat for one population of *Argyroxiphium sandwicense* ssp. *macrocephalum*, three populations of *Cyanea copelandii* ssp. *haleakalaensis* and *Cyanea hamatiflora* ssp. *hamatiflora*, seven populations of *Geranium multiflorum*, and one