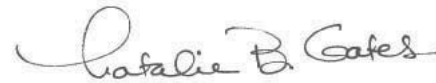


U.S. Government

Memorandum

Date: April 26, 2019



From: Natalie B. Gates, Superintendent, Haleakalā National Park

Subject: Handling of protected natural resource data

To: Ryan Monello, PACN Program Manager

The Superintendent of Haleakala National Park has identified resources that are rare, threatened, endangered, or commercially valuable. Information about these resources (the specific location, abundance, presence, or absence), if released to the public or other unapproved audiences, has been determined to potentially result in harm, theft, or destruction. To ensure data are appropriately protected in accordance with park management priorities, the following rules must be followed when disseminating natural resource information collected through inventory, monitoring, or other related scientific activities.

Type of Data		Level of Protection	Rules for Dissemination
Resource Data and Information			
	Specific T&E Species locations	Legally Protected	Specific locations of these species will not be released to the general public. Any such data collected will be fuzzed from publicly released datasets. This will be done indefinitely.
Location Data and Information			
	Cave entrances	Legally protected	Specific locations of cave entrances will not be released to the general public. Any such data collected will be redacted from publicly released datasets. This will be done indefinitely.

Table 1. T&E Species (General Rule).

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Asio flammeus sandwichensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Branta sandvicensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Drepanis coccinea	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	T
Loxops ochraceus	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Nycticorax nycticorax	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Oceanodroma castro	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Palmeria dolei	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Pseudonestor xanthophrys	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Pterodroma sandwichensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Puffinus auricularis newelli	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	T
Lentipes concolor	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Ectemnius haleakalae	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Hylaeus coniceps	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Hylaeus difficilis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Hylaeus unicus	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Hylaeus volatilis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Ithamar hawaiiensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Megalagrion pacificum	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Micromus cookeorum	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Micromus haleakalae	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Micromus lobipennis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Nesosydne bridwelli	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Plagithmysus dubautianus	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Plagithmysus forbesii	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Plagithmysus koae	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Plagithmysus swezeyanus	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Proterhinus deceptor	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Proterhinus epitretus	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Proterhinus fuscicolor	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Proterhinus nivicola	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Scotorythra megalophylla	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Thyrocopa apatela	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Lasiurus cinereus semotus	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Monachus schauinslandi	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Partulina anceyana	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Partulina dolei	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Partulina nivea	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Partulina porcellana	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
<i>Perdicella carinella</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	T
<i>Argyroxiphium virescens</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
<i>Asplenium adiantum-nigrum</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
<i>Asplenium peruvianum</i> var. <i>insulare</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Asplenium schizophyllum</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
<i>Bidens campylotheca</i> ssp. <i>pentamera</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Bidens campylotheca</i> ssp. <i>waihoiensis</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Bidens micrantha</i> ssp. <i>kalealaha</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Calamagrostis expansa</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Canavalia hawaiiensis</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
<i>Chenopodium oahuense</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
<i>Clermontia lindseyana</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cocculus orbiculatus</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
<i>Coprosma pubens</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
<i>Ctenitis squamigera</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cyanea asplenifolia</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cyanea glabra</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cyanea horrida</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cyanea kunthiana</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cyanea longissima</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
<i>Cyanea mauiensis</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
<i>Cyanea pohaku</i>	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Cyrtandra ferripilosa	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Cyrtandra hawaiiensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Dichanthelium cynodon	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Dubautia menziesii	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Dubautia plantaginea ssp. plantaginea	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Dubautia reticulata	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Embelia pacifica	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Eragrostis variabilis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Gardenia remyi	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Geranium arboreum	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Geranium hanaense	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Geranium multiflorum	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Gunnera petaloidea	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Huperzia haleakalae	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Huperzia mannii	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Ischaemum byrone	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Joinvillea ascendens ssp. ascendens	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Labordia hedyosmifolia	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Labordia hirtella	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Lysimachia hillebrandii	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Melicope clusiifolia	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Melicope hawaiiensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Melicope orbicularis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Melicope ovalis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Melicope peduncularis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Melicope volcanica	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Myrsine lanaiensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Nothocestrum latifolium	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Nothocestrum longifolium	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Peperomia eekana	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Peperomia macraeana	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Peperomia membranacea	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Peperomia obovatilimba	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Peperomia remyi	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Phyllostegia ambigua	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Phyllostegia bracteata	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Phyllostegia brevidens	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Phytolacca sandwicensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Pittosporum confertiflorum	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Pittosporum glabrum	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Platanthera holochila	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Rubus macraei	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Sanicula sandwicensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Schiedea haleakalensis	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Schiedea implexa	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Sicyos cucumerinus	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC
Sicyos pachycarpus	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Sida fallax	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Silene cryptopetala	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Silene degeneri	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Solanum incompletum	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	E
Stenogyne haliakalae	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	SC

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Stenogyne microphylla	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Stenogyne rotundifolia	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Tetramolopium lepidotum ssp. arbusculum	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT
Urera glabra	Specific Location	Legally Protected	Release to public	Fuzzed	Indefinitely / Forever	2,000 meters	RT

Table 2. Other resources or locations.

Resource	Type of Information to be Protected	Level of Protection	Protected From Release To	Method of Protection	Protected for How Long?	Notes	Justification
Cave Entrances	Specific Location	Operationally Protected	Release to public	Redacted	Indefinitely / Forever	Redact location information	Caves are a protected resource in Hawaii. Specific locations of caves will not be released to the public. Any such data collected will be redacted from the publicly released datasets. This will be done indefinitely.