

REPORT

THREATENED CUBAN PLANTS NOT PROTECT BY THE NATIONAL SYSTEM OF PROTECT AREAS (SNAP)

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This report provides an updated checklist of threatened Cuban species not protected by the National System of Protected Areas (SNAP). It provides useful information for their *ex situ* conservation in Cuban Botanic Gardens, their legal protection under the Species of Special Importance Law, and the establishment of new protected areas.

During the last five years, IUCN/SSC Cuban Plant Specialist Group conducted comprehensive surveys for plant species to update the conservation assessments of 80% of Cuban flora. In the last two years, we focused on digitizing the conservation assessments and occurrence data of Cuban plants. In this report, we considered as a 'threatened species protected by the SNAP' any threatened taxon occurring in at least one protected area of the national system, regardless of its management category, national designation, or type of governance.

How many threatened taxa are not protected by the Cuban National System of Protected Areas?

Based on our data, there are 228 threatened taxa currently not protected by the National System of Protected Areas. Amongst them, 157 taxa are endemic to the Cuban Archipelago, while 16 others are endemic of the Caribbean islands.

Another important aspect to consider, 181 of these taxa are Critically Endangered (IUCN category (CR)) and 130 are also endemic to Cuba, meaning more than half of the taxa without any current protection, occurs exclusively in Cuba and have the highest global risk of extinction. Those are in more need of effective policies and strategies for protection and/or conservation.

In a geographical analysis, Sierra de Nipe (in Holguín province) and Guamuhaya (in Central Cuba) emerged as the two hotspots of "not-protected CR plant species" (figure). Curiously, the highest density of "not-protected CR plant species" is located close to some protected areas like the National Park Mensura-Pilotos, the Ecological Reserve Pico San Juan, the Protected Landscape Hanabanilla and the Protected Landscape Valle de Yaguanabo. Further conservation policies should take this into account.

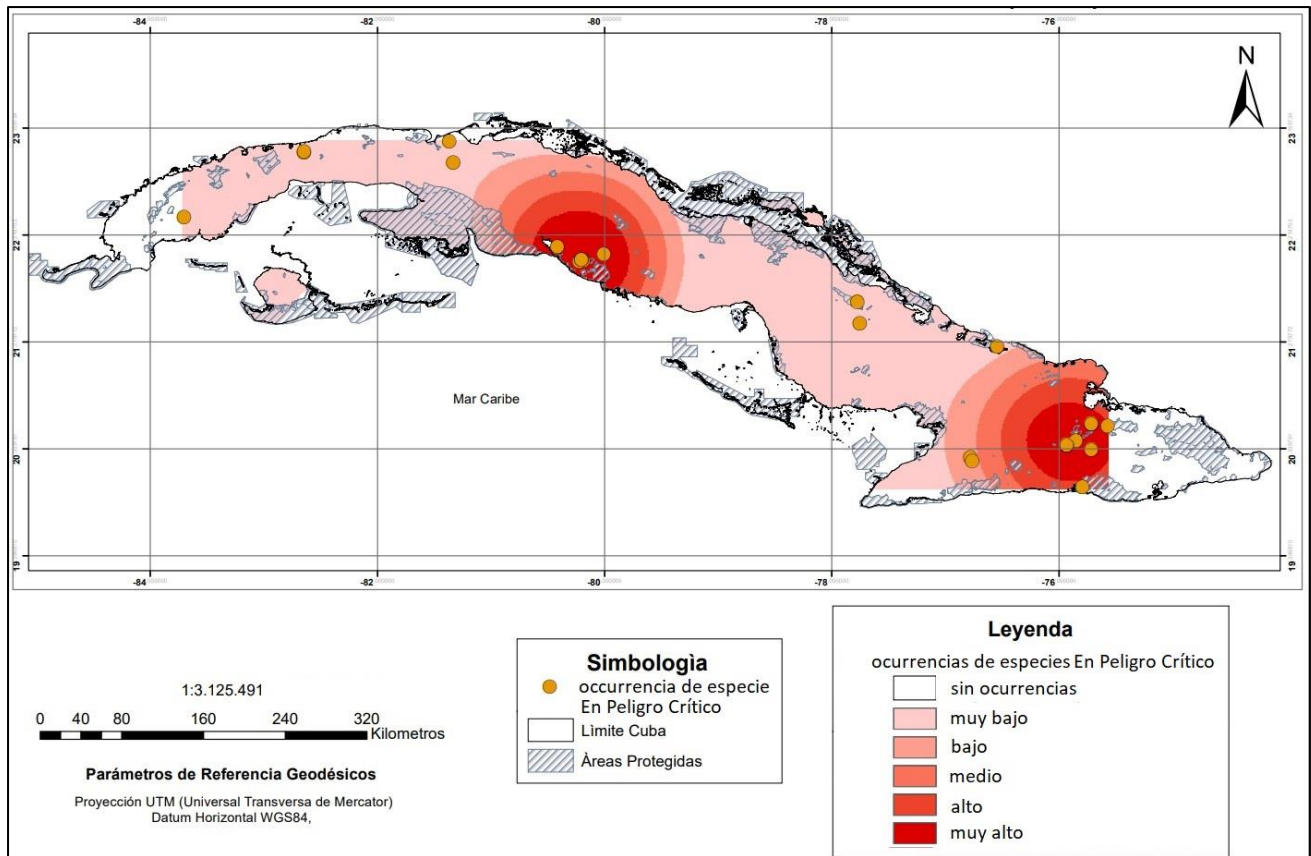


Figure 1. Density representation of sites of present occurrence of Critically Endangered Cuban plants not protected by National System of Protected Area.

Which are these threatened species not protected by SNAP in urgent need of effective conservation strategies?

The 228 threatened taxa not protected by the SNAP are shown in table 1. They belong to various genera and are widely distributed across the island of Cuba and some are also in Isla de la Juventud island. Along with the taxa, it is included the distribution (sites of occurrence and distribution map) and links to information that could be useful for the conservation and protection planning of each taxon.

Table 1. Threatened Cuban taxa currently not protected by the National System of Protected Areas.

Scientific name	IUCN Category	Sites of occurrence	Distribution map	Cuban endemic	Important management information
<i>Acanthodesmos gibarensis</i> P. Herrera & P.A. González	CR	Occurrence search (gbif.org)	Occurrences search (gbif.org)	yes	
<i>Acidocroton ekmanii</i> Urb.	CR	Mogote de San Nicolás, cerca de Palmarito de Cauto, San Luis, Santiago de Cuba		yes	

Scientific name	IUCN Category	Sites of occurrence	Distribution map	Cuban endemic	Important management information
<i>Acidocroton trichophyllus</i> subsp. <i>pilosulus</i> (Urb.) Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Adiantopsis vincentii</i> M. S. Barker & Hickey	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Agave grisea</i> Trel.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Anemia phyllitidis</i> (L.) Sw.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Annona cascarilloides</i> Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Annona ekmanii</i> R.E.Fr.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Annona moaensis</i> León & Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Argythamnia heteropilosa</i> J. W. Ingram	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Aristolochia linearifolia</i> C. Wright ex Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Asplenium nigripes</i> (Fée ex T. Moore) Hook.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Atalopteris aspidioides</i> (Griseb.) Maxon & C. Chr.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Baccharis acutata</i> (Alain) Borhidi	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Bacopa longipes</i> (Pennell) Standl.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Basiphyllaea hoffmannii</i> M. A. Díaz & Llamacho	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Begonia cowellii</i> Nash	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Bonania cubana</i> subsp. <i>acunae</i> (Borhidi) Borhidi	VU	Farallones y mesa del río Jauco (Maisí, Guantánamo)		yes	González-Oliva L. et al. 2015. Bissea 9 (número especial 4): 298. https://www.researchgate.net/publication/316789248_Categorizacion_de_taxones_de_la_flora_de_Cuba_2015
<i>Bonellia bissei</i> (Lepper) Lepper & J. E. Gut.	CR	Occurrence search (gbif.org) 4135891883 (gbif.org)		yes	
<i>Bonellia verrucosa</i> Lepper & J. E. Gut.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Brunfelsia acunae</i> Hadac	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Brunfelsia clarensis</i> Britton & P. Wilson	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Brya hirsuta</i> Borhidi	EN	Jarahueca (Yaguajay, Sancti Spiritus) y cuabales cerca de San Felipe, Arroyo Blanco (Jatibonico, Sancti Spiritus)		yes	

Scientific name	IUCN Category	Sites of occurrence	Distribution map	Cuban endemic	Important management information
<i>Bursera yaterensis</i> M. C. Martínez & al.	VU	Imías, en carretera a Yateritas (Guantánamo)		yes	A taxonomic revision of <i>Bursera</i>
<i>Buxus baracoensis</i> Borhidi & O. Muñiz	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Buxus ekmanii</i> subsp. <i>woodfredensis</i> Eg. Kohler	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Buxus jaucoensis</i> Eg. Köhler	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Buxus koehleri</i> P. A. González & Borsch	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Buxus serpentinicola</i> Eg. Köhler	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Buxus wrightii</i> subsp. <i>leonii</i> (Britton) Eg. Kohler	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Byrsonima luacesii</i> Acuña & Roig	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Caesalpinia gaumeri</i> Greenm.	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Caesalpinia pinnata</i> subsp. <i>oblongifolia</i> (Urb.) A. Barreto & Beyra	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Calyptranthes albicans</i> Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Calyptranthes arenicola</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Calyptranthes cristalensis</i> Borhidi	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Calyptranthes minutiflora</i> Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Calyptranthes munizii</i> Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Calyptranthes pozasiana</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Capparis frondosa</i> Jacq.	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Cardamine porphyrophylla</i> Ekman ex O. E. Schulz	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Centaurium quitense</i> (Kunth) B. L. Rob.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Chamaecrista flexuosa</i> (L.) Greene	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Chamaecrista guanensis</i> A. Barreto & Yakovlev	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Chamaecrista marianensis</i> A. Barreto & Yakovlev	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Chamaecrista takhtajanii</i> A. Barreto & Yakovlev	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Cleome macrorhiza</i> C. Wright	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Cnidocolus matosii</i> León	CR	Mesa del Chivo (Maisí, Guantánamo)		yes	

Scientific name	IUCN Category	Sites of occurrence	Distribution map	Cuban endemic	Important management information
<i>Coccoloba howardii</i> I. Castañeda	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Coccoloba leonardii</i> R. A. Howard	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Coccoloba retirensis</i> R. A. Howard	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Coccothrinax bermudezii</i> León	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Coccothrinax borhidiana</i> O. Muñiz	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Coccothrinax crinita</i> subsp. <i>crinita</i> (Griseb. & Wendl. ex C. Wright) Becc.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Coccothrinax spirituana</i> Verdecia & Moya	CR	Cuabales close to San Felipe, Arroyo Blanco		yes	
<i>Combretum laxum</i> Jacq.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Comocladia mollifolia</i> Ekman & Helwig	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Condea rivularis</i> (Britton) Harley & J. F. B. Pastore	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Copernicia curbeloi</i> León	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Copernicia fallaensis</i> León	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Cordia vanhermannii</i> Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Crossopetalum ekmanii</i> (Urb.) Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Crossopetalum shaferi</i> (Britton & Urb.) Alain	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Crotalaria ekmanii</i> Windler & S. G. Skinner	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Ctenitis crystallina</i> (Kunze) Proctor	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Ctenitis santae-clarae</i> (C. Chr.) Ching	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Ctenitis vellea</i> (Willd.) Proctor	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	

Scientific name	IUCN Category	Sites of occurrence	Distribution map	Cuban endemic	Important management information
<i>Cyathea microdonta</i> (Desv.) Domin	CR	presa El Punto (Pinar del Río), La Victoria y La Cañada (Isla de la Juventud) y pinar La Caridad (Granma)		no	Caluff M. et al. 2014. <i>Cyathea microdonta</i> . Bissea 8 (número especial 1): 108. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%202014.pdf?sequence=1&isA
<i>Daphnopsis americana</i> subsp. <i>tinifolia</i> (Sw.) Nevlings	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Daphnopsis bissei</i> A.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Dasytropis fragilis</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Didymoglossum caluffii</i> (C. Sánchez) C. Sánchez	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Diphyllocalyx galanus</i> Greuter & R. Rankin	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Drosera brevifolia</i> Pursh	CR	Sandino [alrededores de laguna Los Puercos (actualmente Base Aérea de San Julián)]		no	Urquiola A. et al. 2014. <i>Drosera brevifolia</i> . Bissea 8 (número especial 1): 111. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%202014.pdf?sequence=1&isA
<i>Drosera intermedia</i> Hayne	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	Reportada para La Melba (Parque Nacional Humboldt en 1981)
<i>Echinodorus grandiflorus</i> subsp. <i>aureus</i> (Fassett) Haynes & Holm-Niels.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Ekmanianthe longiflora</i> (Griseb.) Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Enterosora ecostata</i> (Sodirol) L. E. Bishop	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Enterosora trifurcata</i> (L.) L. E. Bishop	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Eriocaulon ekmannii</i> Ruhland	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	

Scientific name	IUCN Category	Sites of occurrence	Distribution map	Cuban endemic	Important management information
<i>Eriocaulon melanocephalum</i> Kunth	CR	Jovero (Sandino, Pinar del Río) y La Máquina (San Luis, Pinar del Río)		no	Urquiola A. et al. 2014. <i>Eriocaulon melanocephalum</i> . Bissea 8 (número especial 1): 122. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%202014.pdf?sequence=1&isA
<i>Erythrina grisebachii</i> Urb.	VU	Santa Cruz de los Pinos (San Cristóbal), Puerto Padre, río Rioja (Calixto García)		yes	
<i>Erythroxyllum dumosum</i> Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Erythroxyllum mogotense</i> Oviedo	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Eugenia bayatensis</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Eugenia discolorans</i> C. Wright	CR	Guane (El Zarzar) y Mantua (arroyo Las Calenturas), en Pinar del Río.		yes	Urquiola A. et al. 2014. <i>Eugenia discolorans</i> . Bissea 8 (número especial 1): 209. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%202014.pdf?sequence=1&isA
<i>Eugenia petrophila</i> Urb.	CR	Monte Libano (Guantánamo)		yes	
<i>Eugenia pozasia</i> Urb. & Ekman	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Eugenia ramonae</i> Borhidi & O. Muñiz	CR	Cananova, Playa La Vaca, Monte Centeno y Yaguaneque (Moa)		yes	
<i>Exostema curbeloi</i> Borhidi & M. Fernández	CR	San Andrés (Holguín) y Puerto Padre (Las Tunas)		yes	
<i>Exostema pulverulentum</i> Borhidi	CR	Loma San José (Cumanayagua, Cienfuegos)		yes	
<i>Exostema salicifolium</i> Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	Posiblemente Extinta. No se ha podido relocalizar en las últimas 2 décadas

Scientific name	IUCN Category	Sites of occurrence	Distribution map	Cuban endemic	Important management information
<i>Feddea cubensis</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Galactia herradurensis</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	No ha sido relocalizada en las ultimas 2 décadas
<i>Galactia isopoda</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	No ha sido relocalizada en las ultimas 2 décadas
<i>Garcinia cincta</i> (Urb.) Borhidi	CR	Manacal (Santiago de Cuba)		yes	
<i>Garcinia polyneura</i> (Urb.) Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Gesneria fruticosa</i> (L.) Kuntze	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Gesneria glandulosa</i> (Griseb.) Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Gesneria wrightii</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	No se ha podido relocalizar en las últimas 2 décadas
<i>Guettarda inaequipis</i> Urb.	CR	Palma Soriano, Nagua (Bartolomé Masó), rio San Juan (Cumanayagua)		yes	
<i>Guettarda leonis</i> Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Guettarda nervosa</i> Urb. & Ekman	CR	Loma La Vigía (Trinidad)		yes	
<i>Guettarda undulata</i> Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Hernandia cubensis</i> Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Ipomoea flavopurpurea</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Ipomoea tenuissima</i> Choisy	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Jacquinia maisiana</i> Borhidi & O. Muñiz	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Juncus marginatus</i> Rostk.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Juncus repens</i> Michx.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Justicia cubana</i> Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Lantana subcordata</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Lepanthes diaziae</i> Luer	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Leptocereus arboreus</i> Britton & Rose	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Leptocereus ekmanii</i> (Werderm.) F. M. Knuth	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	

Scientific name	IUCN Category	Sites of occurrence	Distribution map	Cuban endemic	Important management information
<i>Leptocereus leonii</i> Britton & Rose	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Leptocereus prostratus</i> Britton & Rose	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Leptocereus scopulophilus</i> Areces	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Leptocereus wrightii</i> León	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Lindernia alterniflora</i> (C. Wright) Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Lonchocarpus glaucifolius</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Ludwigia torulosa</i> (Arn.) H. Hara	CR	Sandino (lagunas Jovero y La Herradura), Pinar del Río (laguna Los Paredones)		no	Urquiola A. et al. 2014. <i>Ludwigia torulosa</i> . Bissea 8 (número especial 1): 223. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%20c3%b3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%202014.pdf?sequence=1&isA
<i>Machaonia pubescens</i> Borhidi & M. Fernández	CR	río San Juan (Cumanayagua)		yes	
<i>Magnolia virginiana</i> subsp. <i>oviedoae</i> Palmarola & al.	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia bahamensis</i> subsp. <i>androsana</i> F.K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Malpighia cristalensis</i> (F.K. Mey.) F.K. Mey.	CR	Occurrence search (gbif.org)		yes	
<i>Malpighia erinacea</i> F.K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia jaguensis</i> F.K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia longifolia</i> F.K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia manacensis</i> F.K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia ophitica</i> F. K. Mey.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia phillyreifolia</i> F. K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia racemosa</i> F. K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Malpighia revoluta</i> F. K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia reyensis</i> F. K. Mey.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	

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<i>Malpighia serpentinicola</i> F.K. Meyer	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia tunensis</i> F. K. Mey.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Malpighia vertientensis</i> F. K. Mey.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Marathrum cubanum</i> C. Wright	CR	Los Portales (Guane, Pinar del Río)		yes	
<i>Marathrum utile</i> Tul.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Matelea tigrina</i> (Griseb.) Woodson	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Mayaca aubletii</i> Michx.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Maytenus buxifolia</i> subsp. <i>serpentina</i> Borhidi & O. Muñiz	CR	Playa La Vaca		yes	
<i>Maytenus splendens</i> Urb.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Maytenus urquiolae</i> Mory	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Melocactus perezassoi</i> Areces	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Miconia bisulcata</i> Urb.	CR	Río Manacas (Bartolomé Masó, Granma)		yes	
<i>Miconia calycopteris</i> (Rich.) Judd, Bécquer & Majure	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
<i>Miconia conica</i> Skean, Judd, Majure	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Miconia karsticola</i> Judd, Bécquer, Skean & Majure	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Miconia mantuensis</i> (Britton & P. Wilson) Bécquer	EN	Los Cobreiros (Mantua, Pinar del Río) y Los Ocujes (Guane, Pinar del Río)		no	Urquiola A. et al. 2014. <i>Pachyanthus mantuensis</i> . Bissea 8 (número especial 1): 201. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%20202014.pdf?sequence=1&isAllowed=y
<i>Miconia mayarensis</i> (Urb.) Bécquer & Michelang.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Miconia secundo-lanceolata</i> M. Gómez	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Microtea portoricensis</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	gpec redlist – Plants of the Caribbean (planta.ngo)

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Mimosa apleura Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Mimosa asperata L.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Mollugo enneandra C. Wright	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Mosiera crenulata (Urb. & Ekman) Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Myrcia acunae Borhidi	CR	Saca La Lengua (Segundo Frente) y Cayo Chico (Moa)		yes	
Myriophyllum laxum Shuttlew. ex Chapm.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Najas arguta Kunth	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Nectandra cuspidata Nees	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Neea ekmanii Heimerl	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Nymphaea amazonum subsp. amazonum Mart. & Zucc.	EN	Ceja Ana de Luna y Aguas Claras (Viñales, Pinar del Río) La Chorrera (Playa, La Habana)		no	Urquiola A. et al. 2014. Nymphaea amazonum subsp. amazonum. Bissea 8 (número especial 1): 219. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%20202014.pdf?sequence=1&isA
Nymphaea gardneriana Planch.	EN	Sandino (Ciénaga de Los Negros), La Palma (Puerto Escondido y Canalete, en San Andrés de Caiguanabo), Pinar del Río (laguna San Mateo)		no	Urquiola A. et al. 2014. Nymphaea amazonum subsp. amazonum. Bissea 8 (número especial 1): 221. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%20202014.pdf?sequence=1&isA
Nymphaea glandulifera Rodschied	EN	Minas de Matahambre (terraplén al Mulo desde carretera Luis Lazo) y La Palma (Puerto Escondido, en San Andrés), en provincia Pinar del Río.		no	Urquiola A. et al. 2014. Nymphaea amazonum subsp. amazonum. Bissea 8 (número especial 1): 222. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%20202014.pdf?sequence=1&isA

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		También en Isla de la Juventud (laguna cerca de restaurante "El Abra")			ba%20-%202014.pdf?sequence=1&isA
<i>Ocotea cristalensis</i> Bisse	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Parathesis serrulata</i> (Sw.) Mez	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Paspalum edmondii</i> León	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Persicaria ferruginea</i> (Wedd.) Soják	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Persicaria hispida</i> (Kunth) M. Gómez	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Persicaria pensylvanica</i> (L.) M. Gómez	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Persicaria segetum</i> (Kunth) Small	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	gpec redlist – Plants of the Caribbean (planta.ngo)
<i>Phialanthus alainii</i> Borhidi	CR			yes	
<i>Phialanthus linearis</i> Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Phialanthus macrocalyx</i> Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Phialanthus marianus</i> Borhidi	CR	pinar de Peña Prieta (Baracoa)		yes	
<i>Picrasma cubensis</i> Radlk. & Urb.	CR	entre San Diego de Tapias y Sabanilla		yes	
<i>Piper baracoanum</i> León	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Plinia recurvata</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Polygala omissa</i> Bal. -Tul. & P. Herrera	EN	Occurrence search (gbif.org)	-	yes	
<i>Polystichum deminuens</i> Maxon	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Pouteria cubensis</i> Baehni	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Pristimera coriacea</i> (Griseb.) Miers	CR	Sierra de Anafe		yes	
<i>Psidium claraense</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Psidium tenuirame</i> Urb.	CR	Mandinga (Baracoa) y Jauco (Maisí)		yes	
<i>Psychotria cromophila</i> Oviedo & Borhidi	CR	Holguín y Guantánamo		yes	
<i>Purdiaea cubensis</i> (A. Rich.) Urb.	EN	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	

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Radiovittaria remota (Fée) E. H. Crane	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Rauvolfia linearifolia Britton & P. Wilson	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Reynosia retusa Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Rhexia cubensis Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Rhytidophyllum crenulatum DC.	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Rorippa hispida subsp. glabra (O. E. Schulz) Greuter & R. Rankin	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Ruellia shaferiana Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Sabal domingensis Becc.	EN	Tortuguilla, Macambo y Yacabo (Guantanamo)		no (endemic of the Caribbean islands)	
Sabal palmetto (Walter) Lodd. ex Schult. & Schult. f.	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Sabatia grandiflora (A. Gray) Small	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Salvinia minima Baker	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Saugetia pleiostachya Hitchc. & Ekman	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Sauvagesia tenella Lam.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Senna gundlachii (Urb.) H. S. Irwin & Bameby	VU	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Senna sophera (L.) Roxb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Sophora polyphylla Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Spirotecoma rubriflora (Leonard) Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endemic of the Caribbean islands)	
Stigmaphyllon bannisterioides (L.) C. E. Anderson	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Symplocos ovalis C. Wright ex Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Tabebuia elongata Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Tetralix cristalensis Bisse	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Tetralix jaucoensis Bisse	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Tetralix moaensis Bisse	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
Thelypteris abrupta (Desv.) Proctor	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
Thelypteris acunae C. Sánchez & Zavaro	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	

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<i>Thelypteris falcata</i> (Liebm.) R. M. Tryon	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Toxicodendron radicans</i> (L.) Kuntze	CR	Matanzas		no	
<i>Trichilia trifolia</i> L.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Tristicha trifaria</i> (Willd.) Spreng.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Truellum meisnerianum</i> (Cham. & Schltdl.) Soják	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Utricularia hydrocarpa</i> Vahl	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Utricularia incisa</i> (A. Rich.) Alain	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Utricularia olivacea</i> C. Wright ex Griseb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no	
<i>Vaccinium bissei</i> Berazaín	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Vallesia montana</i> Urb.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	no (endémico del Caribe insular)	
<i>Varronia intricata</i> (C. Wright) Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Waltheria microphylla</i> Cav.	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Xylosma roigiana</i> Borhidi	CR	Occurrence search (gbif.org)	Occurrence search (gbif.org)	yes	
<i>Xyris smalliana</i> Nash	CR	Sandino (La Herradura) y Pinar del Río (laguna Los Paredones), en provincia Pinar del Río. También en Manacas (Santo Domingo, Villa Clara)		no	Urquiola A. et al. 2014. <i>Xyris smalliana</i> . Bissea 8 (número especial 1): 311. https://repositorio.geotech.cu/xmlui/bitstream/handle/1234/2289/Categorizaci%C3%B3n%20preliminar%20de%20taxones%20de%20la%20flora%20de%20Cuba%20-%202014.pdf?sequence=1&isAllowed=y
<i>Zanthoxylum ignoratum</i> Buerton	EN	Occurrence search (gbif.org)		yes	