

Botanist
Leon Levy Native Plant Preserve
Bahamas National Trust

Lepidaploa arbuscula





LEON LEVY FOUNDATION

The Legacy Of Leon Levy





Trails **Mangrove Boardwalk Medicinal Plant Beds General/Endemic Display Beds Education Pavilion Lath House** Fresh Water Wetland **Edible History** Overlook Tower **Permanent Forest Plots Weather Station**



Global Strategy for Plant Conservation

Leon Levy Native Plant Preserve

1, 2, 3, 7, 8, 13, 14, 15, 16

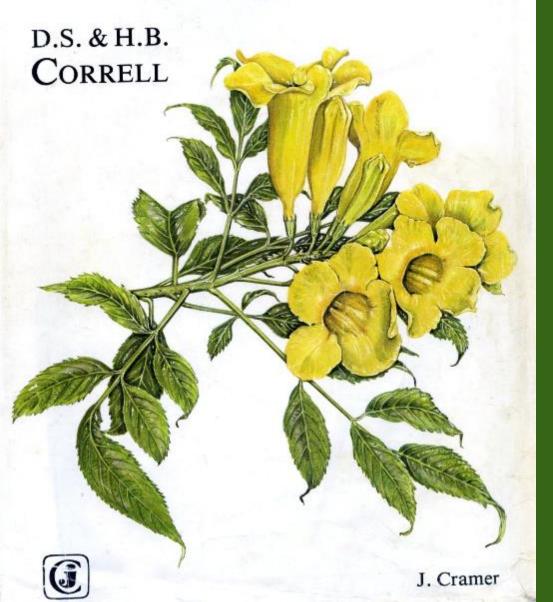
Bahamas National Trust

4, **5**, **6**, **10**

National Government 6, 9, 10, 11, 12



Flora of the Bahama Archipelago



Published in 1982

Includes - 1371 taxa, in 663 genera in 144 families (including pteridophytes)

LEON LEVY NATIVE PLANT PRESERVE











What's New

Preserve Featured in BNT Trust Notes 10/9/2015 1:20:00 PM



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Plant Information





is a black berry at maturity.

Ardisia escallonioides

Ardisia escallonioides Schitdl. & Cham.

Common Names: Marlberry, Dog-berry

Family: Primulaceae

<u>Habit</u> Ardisia escalionioides grows as a shrub to small tree up to 8 meters in height. The leaves are arranged alternately, lanceolate to oblanceolate, slightly fleshy, up to 20 cm long (typically shorter), with a rounded leaf apex and an entire margin.

The actinomorphic, perfect, complete, flowers occur in panicles. The calyx has 5 unfused, green sepals occurring as triangular lobes. The corolla has 5 fused, white with purple petals that form a short tube. There are 5 bright yellow stamens that are fused to the corolla tube. The ovary is superior with 1 locule and many ovules. The fruit

Habitat: Ard/sia escallon/oldes grows in Dry Broadleaf Evergreen Formation- Forest/Shrubland (coppice).

<u>Distribution in Bahamas/Globally:</u> Ardisle escalfonioldes occurs on the northern island groupings in the Bahamian Archipelago, as well as Florida, the Caribbean region, and Central America.

Medicinal/Cultural/Economic usage Ardisia escalionioldes is not used medicinally in the Bahamas.

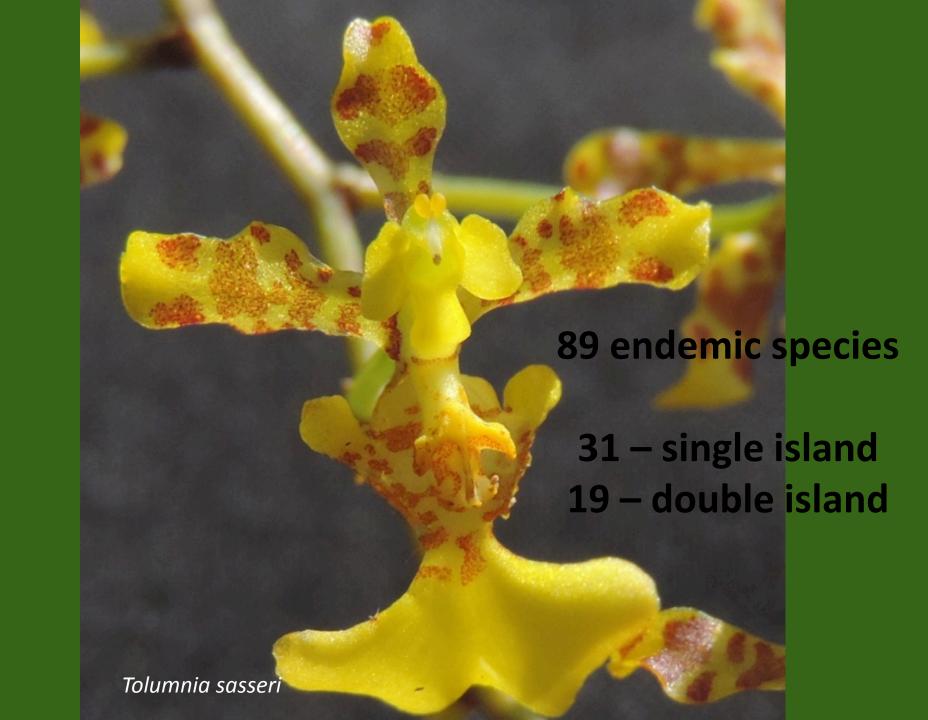
Target 2 An assessment of the conservation status of all known plant species, as far as possible, to guide conservation action

IUCN Redlist
Certification Training
Nov 11-17th, 2018

Endemic Seed Plants in the Bahamian Archipelago

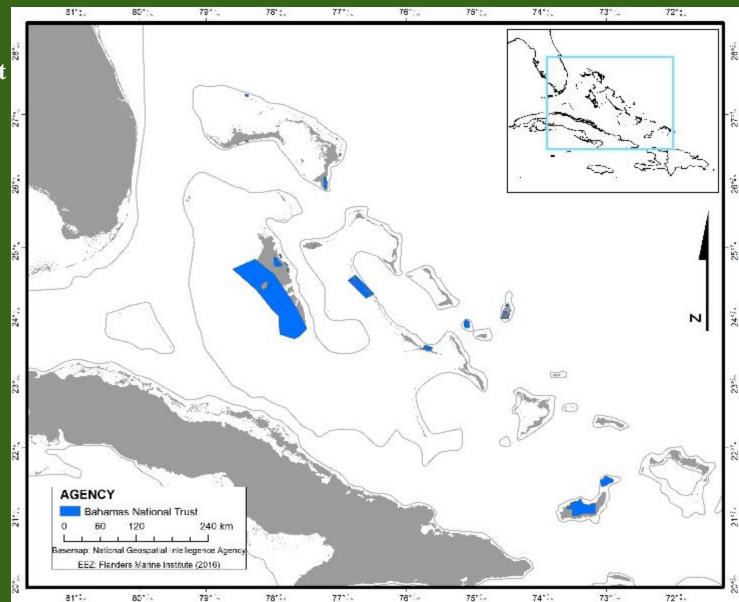






Target 4
At least 15 per cent of each ecological region or vegetation type secured through effective management and/or restoration.

2020 goals. Caribbean Challenge – 20% of marine and near shore habitats protected



Target 5

At least 75 per cent of the most important areas for plant diversity of each ecological region protected with effective management in place for conserving plants and their genetic diversity.

	National Parks/Protected Areas	<u>Island/Group</u>	Acres	PA Type
1	Tilloo Cay Reserve		11	Terrestrial
2	Fowl Cays National Park		3,200	Marine & Terrestrial
3	Abaco National Park	4.7	22,500	Terrestrial
4	Walker's Cay National Park	Abaco	5,800	Marine
5	Black Sound Cay National Park		2	Marine and Terrestrial
6	Pelican Cays Land And Sea Park		2100	Marine & Terrestrial
7	Blue Holes National Park		40,000	Terrestrial with freshwater
8	Crab Replenishment Reserve		4,000	Marine & Terrestrial
9	Andros North Marine Park	Andros	5,000	Marine & Terrestrial
10	Andros South Marine Park		3,500	Marine
11	West Side National Park		1,500,000	Marine & Terrestrial
12	Conception Island National Park	Conception Island	30,000	Marine & Terrestrial
13	Marine Farm	Crooked Island	4.44	Terrestrial
14	Hope Great House	Crooked Island	3.60	Terrestrial
15	Leon Levy Native Plant Preserve	Eleuthera	25	Terrestrial
16	Exuma Cays Land & Sea Park	E	174,194	Marine and Terrestrial
17	Moriah Harbour Cay National Park	Exuma	22,833	Marine and Terrestrial
18	Rand Nature Centre		100	Terrestrial
19	Lucayan National Park	Grand Bahama	1,937	Marine & Terrestrial
20	Peterson Cay National Park		1,090	Marine & Terrestrial
21	Little Inagua National Park		62,800	Marine & Terrestrial
22	Inagua National Park	Inagua	220,000	Marine & Terrestrial
23	Union Creek Reserve		6,150	Marine
24	The Retreat		11	Terrestrial
25	Primeval Forest National Park		7.5	Terrestrial
26	Bonefish Pond National Park	New Providence	1,235	Marine & Terrestrial
27	Harrold & Wilson's Ponds National Park		250	Terrestrial with freshwater
28	Graham's Harbour Iguana & Seabird National Park		5,723	Marine & Terrestrial
29	West Coast Marine Park	San Salvador	10,313	Marine
30	Pigeon Creek & Snow Bay National Park		5,060	Marine
31	Southern Great Lake National Park		4,068	Terrestrial with freshwater
32	Green's Bay National Park		586	Marine



At least 75 % of known threatened plant species conserved *in-situ*



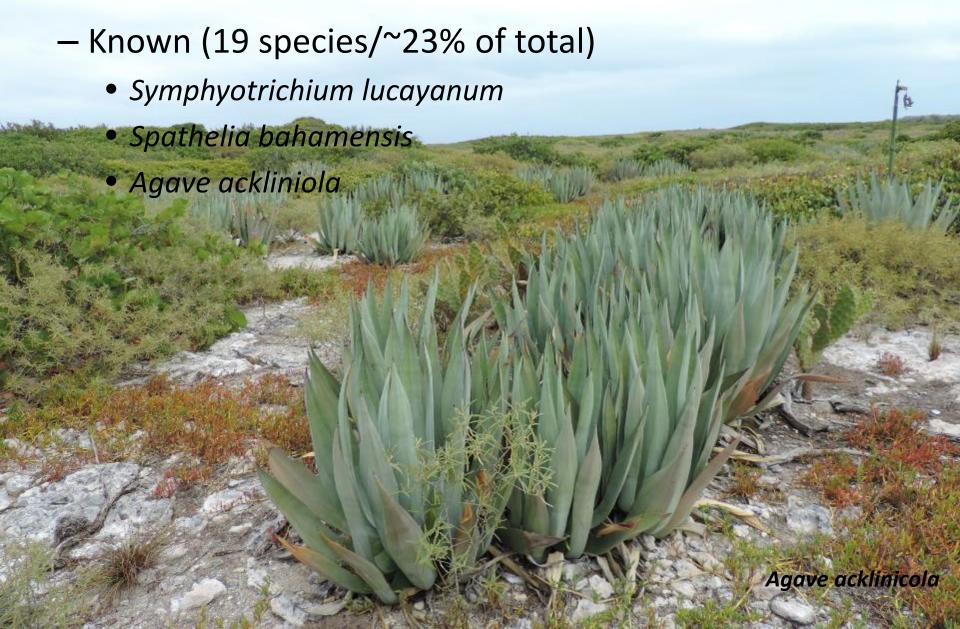


In- Situ Conservation at LLNPP

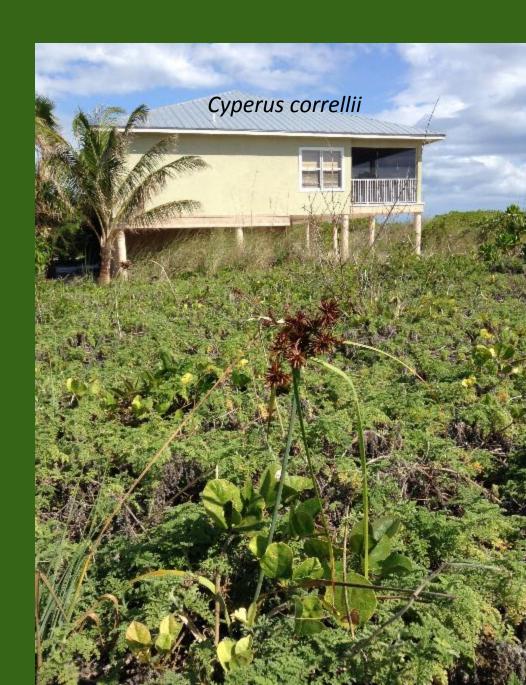
- Clematis plukenetii
- Spathelia bahamensis
- Thounia discolor
- Varronia bahamensis
- Waltheria bahamensis

~ 6% of Bahamian endemics

BNT Terrestrial Park System



- Chiococca stricta
- Cyperus correllii
- Euphorbia longinsulicola
- Harrisia brookii
- Spermacoce felis-insulae
- Zamia lucayana



At least 75 percent of threatened plant species in *ex-situ* collections, preferably in the country of origin, and at least 20 per cent available for recovery and restoration programmes



Harrisia brookii









Target 10

Effective management plans in place to prevent new biological invasions and to manage important areas for plant diversity that are invaded

- NBSAP 1999
- BahamasNational InvasiveSpecies Strategy2013
- Dossier ofInvasive Species– Bahamas 2017





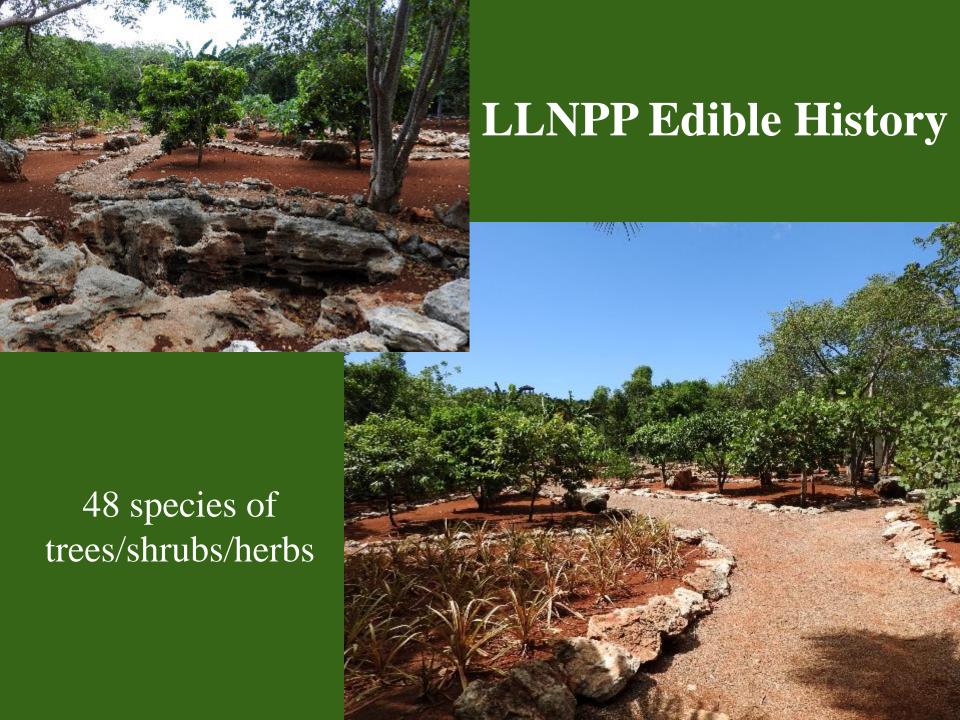
Indigenous and local knowledge, innovations, and practices associated with plant resources, maintained or increased, as appropriate to support customary use, sustainable livelihoods, local food security, and healthcare



Ethnobotanical Studies

- Higgs, L. 1978. Bush Medicine in the Bahamas. 20 pages
- Randolph, L. 1994. Ethnobiology of North Andros Island,
 Bahamas. Doctoral Dissertation, Miami University, Oxford, Ohio
- Hanna-Smith, M. 2005. Bush Medicine in the Bahamian Folk Tradition. 66 pages.
- McCormack, J. H. et al. 2011. Bush Medicine of the Bahamas: a cross cultural perspective from San Salvador Island. 311 pages
- Richey-Abbey, Laurel Rhea. 2012. Bush Medicine in the Family Islands: The Medical Ethnobotany of Cat Island and Long Island, Bahamas Doctoral Dissertation, Miami University, Oxford, Ohio





The importance of plant diversity and the need for its conservation incorporated into communication, education and public awareness programmes

• Education beautification program on Eleuthera with signature species for each school

• National Art Gallery of the Bahamas (NAGB) Sculpture Garden in Nassau, New Providence

Waltheria bahamensis





National Art Gallery of the Bahamas Sculpture Garden





Facilities

- Leon Levy Native Plant Preserve
 - Botanical garden
 - Bahamas National Herbarium
 - Research Laboratory

Institutions, networks, and partnerships for plant conservation established or strengthened at national, regional and international levels to achieve the targets of this Strategy

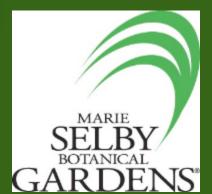














GSPC Targets progress

	Objective 1 - Knowledge			Objective 2 - Conservation					
Progress	Target 1	Target 2	Target 3	Target 4	Target 5	Target 6	Target 7	Target 8	
	Objective 2 - Conservation		Objective 3 – Sustainable use			Objective 4 Education	Objective 5 Capacity		
Progress	Target 9	Target 10	Target 11	Target 12	Target 13	Target 14	Target 15	Target 16	

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