Dalbergia calycina

LC

Taxonomic Authority: Benth.

☑ Global Assessment ☐ Regional Assessment Region: Global ☐ Endemic to region

Upper Level Taxonomy

Kingdom: PLANTAE Phylum: TRACHEOPHYTA
Class: MAGNOLIOPSIDA Order: FABALES
Family: LEGUMINOSAE

Lower Level Taxonomy

Rank: Infra- rank name: ☐ Plant Hybrid
Subpopulation: Authority:

General Information

Distribution

D. calycina is distributed from Mexico to Costa Rica, Central America.

Range Size

Area of Occupancy:
Extent of Occurrence:

Map Status:

Elevation

Upper limit: 1700
Lower limit: 600

Depth

Upper limit:
Lower limit:

Depth Zones

☐ Shallow photic ☐ Bathyl ☐ Hadal
☐ Photic ☐ Abyssal

Biogeographic Realm

☐ Afrotropical
☐ Antarctic
☐ Australasian
☑ Neotropical
☐ Oceanian
☐ Palearctic
☐ Indomalayan
☐ Nearctic

Population

There is currently no specific data relating to the population size of this taxon, however it is considered to be rare in Nicaragua.

Total Population Size

Minimum Population Size: Maximum Population Size:

Habitat and Ecology

D. calycina is found in dry semi-decidous dry forest and forest in volcanic areas.

System

☑ Terrestrial ☐ Freshwater ☐ Marine

Movement pattern

☐ Nomadic ☐ Congregatory/Dispersive
☐ Migratory ☐ Altitudinally migrant

Crop Wild Relative

☐ Is the species a wild relative of a crop?

Growth From	Definition
Tree - size unknow	Tree (any size), also termed a Phanerophyte (>1m)

Growth From	Definition

Threats

D. calycina is not known to be specifically threatened or in decline, however there are a number of threats to the habitats in which it occurs. In Mexico cattle farming is considered a major threat to the dry forests, road construction is opening up areas and making them increasingly accessible for logging and other anthropogenic activities (Valero et al 2001). In Costa Rica the forests are being affected by cattle ranching and land clearance; however 75% of the Talamacana montane forest is considered to remain intact (Powell et al 2001).

	Past	Present	Future
13 None	☐	☑	☐

Conservation Measures

This taxon is known to occur within a number of protected areas but seeds have yet to be collected and stored by a seed bank as a method of ex-situ conservation.

	In Place	Needed
3 Research actions	☐	☑
3.2 Population numbers and range	☐	☑
3.4 Habitat status	☐	☑
3.5 Threats	☐	☑
3.9 Trends/Monitoring	☐	☑
4 Habitat and site-based actions	☑	☐
4.4 Protected areas	☑	☐
5 Species-based actions	☐	☑
5.7 Ex situ conservation actions	☐	☑
5.7.2 Genome resource bank	☐	☑

Countries of Occurrence

	PRESENCE							ORIGIN				
	Year Round	Breeding Season only	Non-breeding season only	Passage migrant	Possibly extinct	Extinct	Presence uncertain	Native	Introduced	Re-Introduced	Vagrant	Origin uncertain
Belize	☑	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐
Costa Rica	☑	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐
El Salvador	☑	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐
Guatemala	☑	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐
Honduras	☐	☐	☐	☐	☐	☐	☑	☑	☐	☐	☐	☐
Mexico	☑	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐
Nicaragua	☑	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐

Species Utilisation

☑ Species is not utilised at all

Trend in the level of wild offtake/harvest in relation to total wild population numbers over the last five years:

Trend in the amount of offtake/harvest produced through domestication/cultivation over the last five years:

CITES status: Not listed

IUCN Red Listing

Red List Assessment: (using 2001 IUCN system) Least Concern (LC)

Red List Criteria:

Date Last Seen (only for EX, EW or Possibly EX species):

Is the species Possibly Extinct? ☐ Possibly Extinct Candidate? ☐

Rationale for the Red List Assessment

Despite being considered rare in Nicaragua D. calycina has a fairly large geographical range from Mexico to Costa Rica in Central America. The taxon is known to occur in a number of protected areas and despite threats to the habitat is not known to be specifically threatened or in decline at present. The taxon does not meet any of the criteria for a threatened category and is thus rated as Least Concern at present.

Reason(s) for Change in Red List Category from the Previous Assessment:

☐ Genuine Change
- ☐ Genuine (recent)
- ☐ Genuine (since first assessment)

☐ Nongenuine Change
- ☐ New information
- ☐ Knowledge of Criteria
- ☐ Incorrect data used previously

☐ Taxonomy
☐ Criteria Revisio
☐ Other

☐ No Change
- ☐ Same category and criteria
- ☐ Same category but change in criteria

Current Population Trend: Stable

Date of Assessment: 12/08/2010

Name(s) of the Assessor(s): Groom, A.

Evaluator(s):

Notes:

% population decline in the past:

Time period over which the past decline has been measured for applying Criterion A or C1 (in years or generations):

% population decline in the future:

Time period over which the future decline has been measured for applying Criterion A or C1 (in years or generations):

Number of Locations:

Severely Fragmented:

Number of Mature Individuals:

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