Photogenic Bright Yellow Morning Glory Flowers of Genus *Merremia*

Nakum and Yaxha areas of PNYNN

Volume 9 for Series:

Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

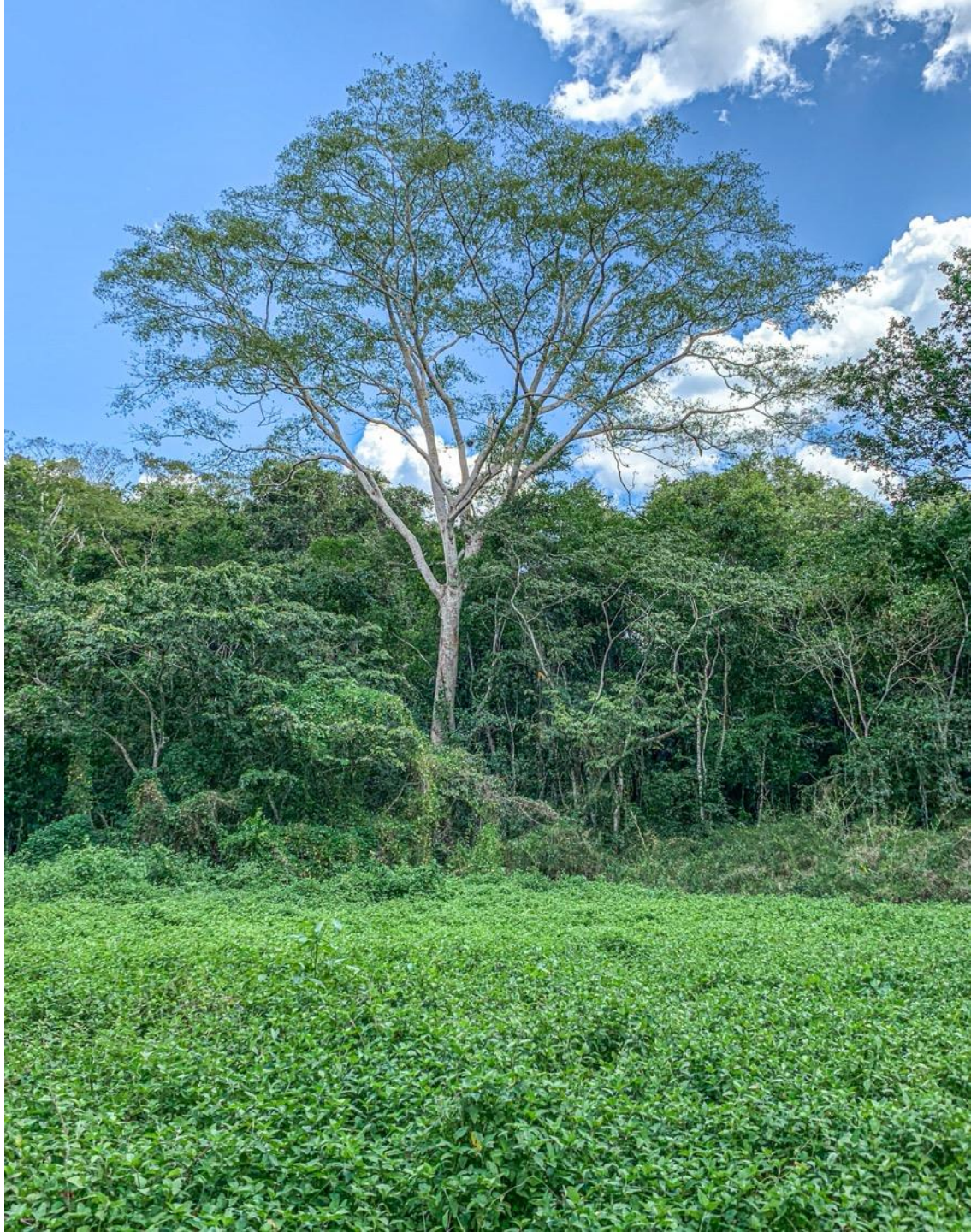
Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala), October 2025

CONTENTS

Chapter 1, Yellow-flowering *Merremia* Vines in Nakum sector of PNYNN

Aguada near Nakum camp ground, iPhone Xs, March 27, 2019.

This is the seasonally inundated aguada near the camp ground at Nakum. No trees in the aguada so all the plants get plenty of direct sun most of the day. Hopefully a botanist who specializes in *Merremia*, *Ipomoae*, etc. can provide the species name for these flowers. March 27, 2019.



Feb. 18, 2019, so a month before our second field trip to Nakum in March.

Same seasonally inundated aguada near the camp ground at Nakum, PNYNN.

You can see how these buds will twist open.

Not all morning glory flowers have clusters of buds like this species.

Seasonally inundated aguada near the camp ground at Nakum, PNYNN.

To help identify the genus and species it helps to have photos of the leaves. Snag is that these morning glory flowers are twining around other plants, so the leaves may be the plant the morning glory is attached.

Seasonally inundated aguada near the camp ground at Nakum, PNYNN.

Chapter 2. How many species of Genus *Merremia* are documented for Peten and surroundings?

There seems to be a glitch in the database for Genus *Merremia*, since the results show only one species: *Merremia discoidesperma*: Alta Verapaz, Baja Verapaz, El Quiche, Huehuetenango, Izabal, Peten. But, if you search each species individually, you find the results.

Merremia aegyptia: Chiquimula, Santa Rosa, Zacapa (S & W 1970, but Portal lists it often for Peten, including Tikal).
Merremia aturensis: savannas, but no mention of any departamento of Guatemala. No results in Portal de Biodiversidad de Guatemala.
Merremia cissoides: Santa Rosa, Suchitepequez. (S & W 1970, but Portal lists it often for Peten, including Tikal, plus Izabal).
Merremia discoidesperma: Alta Verapaz, Huehuetenango, Izabal. Best known for Chiapas—not listed for Belize (unless under another name). Portal de Biodiversidad de Guatemala lists this for Baja Verapaz, El Quiche, and also PETEN.
Merremia dissecta: Chiquimula, El Progreso, Zacapa. Listed for Mexico but not for Belize. But Portal lists it for Izabal and NW shore, Peten
Merremia tuberosa: Alta Verapaz, Baja Verapaz, Escuintla, Izabal, PETEN, Quezaltenango, Quiche, Retalhuleu, San Marcos, Suchitepequez. Portal de Biodiversidad de Guatemala specifies Tikal as one location in Peten.
Merremia umbellata: Alta Verapaz, Baja Verapaz, El Progreso, Escuintla, Guatemala, Izabal, Jutiapa, PETEN, Retalhuleu, San Marcos, Santa Rosa, Solola; Suchitepequez, Zacapa. (Standley and Williams 1970: 72-75). Portal adds Quetzaltenango, Lago Macanche and Uaxactun.

Balick, Nee and Atha (2000) for Belize and Villaseñor for Mexico (2016) list all the species for Genus *Merremia* in those parts of Mesoamerica:

Merremia aegyptia (L.) Urb. — Reg Use: MED. — Nv: campano del monte. — Habit: Vine. Also found in CAM, CHIS, QROO and TAB.
Merremia aturensis (H.B.K.) H. Hallier — Syn: *Ipomoea aphylla* Standl.— Habit: Vine. Also found, so far, only in CHIS.
Merremia cissoides (Griseb.) H. Hallier — Reg Use: MED. — Habit: Vine. Also found in CAM, CHIS, QROO and TAB.
Merremia quinquefolia (L.) H. Hallier — Nv: white cowslip. — Habit: Vine. Found in CAM, CHIS, TAB—but not yet in QROO.
Merremia tuberosa (L.) Rendle— Loc Use: MED. — Reg Use: POIS, ORN. — Nv: seven-fingers. — Habit: Vine Also found in CAM, CHIS, QROO and TAB.
Merremia umbellata (L.) H. Hallier — Reg Use: PRD. — Habit: Vine. Also found in CAM, CHIS, QROO and TAB.

Merremia dissecta is listed for CAM, CHIS, QROO and TAB, but not for Belize.

Since Chiapas, Tabasco, Campeche, Quintana Roo, and Belize are adjacent to Peten, any species that is in CAM, CHIS, QROO and TAB should be in Peten. Same for plants from Balick, Nee and Atha. Here is the list for Mexico, with adjacent estados in bold font to suggest which species should be findable in Peten:

Merremia aegyptia (L.) Urb. **CAM, CHIS**, COL, GRO, JAL, MEX, MICH, NAY, OAX, **QROO**, SIN, **TAB**, VER, YUC
Merremia aturensis (Kunth) Hallier f. **CHIS**
**Merremia aurea* (Kellogg) O'Donell BCS
**Merremia austinii* J.A. McDonald TAMS
**Merremia cieloensis* J.A. McDonald TAMS
Merremia cissoides (Lam.) Hallier f. **CAM, CHIS**, DGO, GRO, MEX, MICH, NAY, OAX, **QROO**, SLP, SIN, **TAB**, TAMS, VER, YUC
Merremia discoidesperma (Donn. Sm.) O'Donell **CHIS**, COAH, GTO, VER
Merremia dissecta (Jacq.) Hallier f. BCN, BCS, **CAM, CHIS**, COAH, COL, DGO, GTO, GRO, HGO, JAL, MEX, MICH, MOR, NAY, NLE, OAX, PUE, QRO, **QROO**, SLP, SIN, SON, **TAB**, TAMS, VER, YUC
**Merremia macdonaldii* Valencia-Avalos & Mart. Gord. GRO, OAX
**Merremia palmeri* (S. Watson) Hallier f. CHIH, GRO, SIN, SON
**Merremia platyphylla* (Fernald) O'Donell COL, GRO, JAL, MICH, MOR, OAX, PUE, ZAC
Merremia quinquefolia (L.) Hallier f. BCS, **CAM, CHIS**, CHIH, COL, GRO, JAL, MEX, MICH, MOR, NAY, OAX, PUE, QRO, SLP, SIN, SON, **TAB**, TAMS, VER
Merremia tuberosa (L.) Rendle **CAM, CHIS**, COL, GRO, HGO, OAX, PUE, QRO, **QROO**, SLP, **TAB**, VER, YUC
Merremia umbellata (L.) Hallier f. **CAM, CHIS**, COL, DGO, GTO, GRO, HGO, JAL, MEX, MICH, MOR, NAY, OAX, PUE, QRO, **QROO**, SLP, SIN, **TAB**, TAMS, VER, YUC

Villasennor 2016: 705-706

In conclusion, *Merremia tuberosa* and *Merremia umbellata* are both expected for Peten, and found in Peten. *Merremia aegyptia* is not yet documented for Peten.

Chapter 3

Yellow Morning Glory Flowers along the road from Yaxha to Nakum

Yellow morning glory out in the wild, along the Yaxha to Nakum road. So probably in the bajo vegetation.

Google Pixel 3 XL which was the model we had in 2019.

Photo by Juan Pablo Fumagalli, Jan. 20, 2019.

To the left of the yellow *Merremia* are deep purple-lavender morning glory flowers.

In the middle what look like *Acacia* shrubs.

To the left of the yellow *Merremia* are deep purple-lavender morning glory flowers.

Yellow flowers on morning glory vines along the shore of the west-southwest part of Lake Yaxha, PNYNN.

Nikon D810 with 200mm Nikkor tele-macro lens.

Much brighter yellow morning glory flowers out in the wild, along the Yaxha to Nakum road. So probably in the bajo vegetation.

Nice photo by Juan Pablo Fumagalli, Jan. 20, 2019, FLAAR Mesoamerica.

Close-up photo of cluster of bright yellow flowers, but with a tone of green in the structure.

Photo by Nicholas Hellmuth along the road through the bajo vegetation from Yaxha to Nakum.

Chapter 4

Beautiful Yellow Morning Glory Flowers in the Savanna East of Nakum

Savanna East of Nakum, PNYNN, March 28, 2019.

I estimate that this is *Merremia umbellata* but there are several other species of genus *Merremia* that have similar yellow flowers and are also native to Peten.

To our knowledge no botanist, ecologist or soil scientist has undertaken field research in the Savanna East of Nakum. So we have hiked here on many occasions. We show the entire savanna from satellite views plus our drone photos in several publications: Hellmuth 2021. We show white morning glory flowers there (ibid.: 44 to 48). And *Merremia* on page 49.

Plus there are two volumes on “The Mysterious Island of *Thalia geniculata*” in this Savanna East of Nakum. Just Google that title and you can download the PDFs.

Genus *Merremia* is also part of the morning glory family, Convolvulaceae.

Merremia umbellata flower, Savanna East of Nakum, March 28, 2019.

Photo by Nicholas Hellmuth with Nikon D810 with Nikkor 60mm lens.

Chapter 5

Flowering *Merremia* Vines along the Shore of Lake Yaxha, PNYNN

South shore of Lake Yaxha, probably *Merremia* species adjacent to purple probable *Ipomoea* species. So Parque Nacional Yaxha, Nakum and Naranjo, PNYNN, is a great place to see and photograph these flowers. And a good place for future botanical field work for a thesis, PhD dissertation, conference/symposium presentation, or comparable botanical field work.

We have a separate FLAAR Reports on the other morning glory flowers of PNYNN.

Different angle of view.

Closer view, so you can see at least a few of the botanical aspects.

South shore of Lake Yaxha, Feb. 16, 2019.

Chapter 6

Merremia Flowers along Shore of Southwest part of Lake Yaxha

Lots of these yellow flowered morning glory vines along the shore of the west-southwest part of Lake Yaxha, PNYNN.

Canon camera with EF300mm f/2.8L IS II USM lens by Maria Alejandra Gutierrez. Dec. 23, 2018.

Yaxha lake shore maybe *Merremia umbellata*.

Dec. 23, 2018. Photo by Maria Alejandra Gutierrez.

Yellow flowered morning glory vines along the shore of the west-southwest part of Lake Yaxha, PNYNN.

Yellow flowering morning glory vines along the shore of the west-southwest part of Lake Yaxha, PNYNN.

Most likely genus *Merremia*.

Photo by Nicholas Hellmuth with Nikon D810 with 200mm Nikkor tele-macro lens.

Since vines need other plants to climb upwards, there are lots of different sizes and shapes of leaves near the morning glory flowers.

Photo by Hellmuth in the bajo vegetation between Yaxha and Nakum.

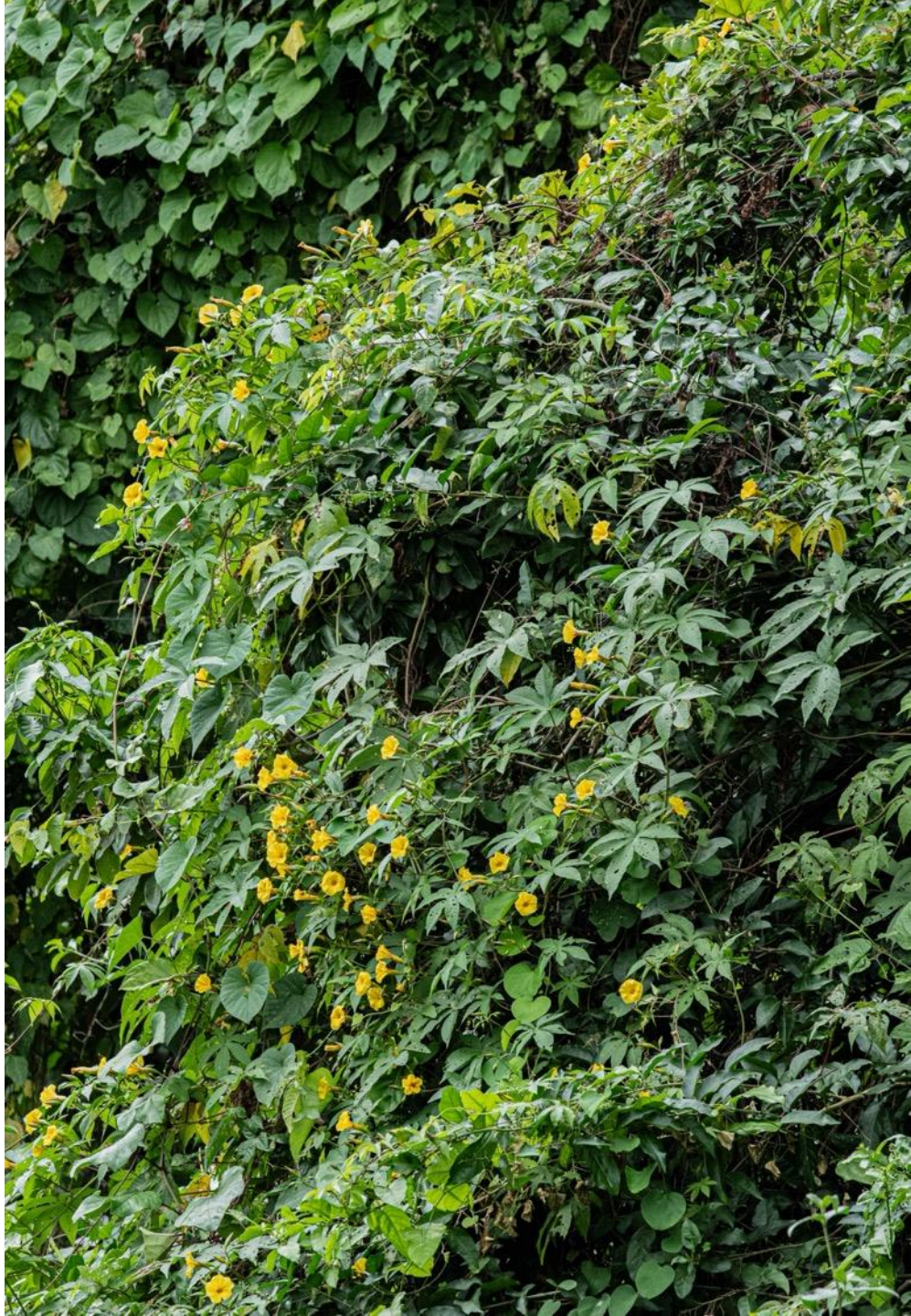
**Masses of Bright Deep Yellow *Merremia* flowers,
shore of Lake Yaxha entering the South West Cenote, Dec. 23, 2018**

Lots of leaves, but some are of the *Merremia* and others are the plants that these vines are twining up.

Shore of Lake Yaxha entering the South West Cenote, Dec. 23, 2018.

Some morning glory species have only a few flowers, but others, like this *Merremia* species, have lots of flowers every day.

So this is what you can enjoy seeing and photographing while visiting Yaxha.



Concluding Observations

All these six species of genus Merremia have been documented for Peten. So, in theory, all six species can be found in the Reserva de la Biosfera Maya. Three are white, so easy to confuse with morning glories of *Aniseia* genus that are also found in Peten. We cover the white morning glory flowers in a separate FLAAR Reports on flowers of PNYNN.

Merremia aegyptia, white flower, no yellow

Merremia cissoides, white flower, no yellow

Merremia discoidesperma, not adequate photo coverage, but potentially yellow flowers; labeled inactive taxon (iNaturalist.org) but listed as accepted name elsewhere.

Merremia dissecta, white flowers with red-pink insides. Has edible parts (Austin 2007). But it's a variant in South America whose roots are eaten—nonetheless need to check whether the roots in Peten are edible—even if no longer eaten by local people.

Merremia tuberosa, yellow flowers, has hallucinogenic properties (Råtsch no pagination in on-line edition).

Merremia umbellata, yellow flowers, edible (young leaves) and medicinal (roots). It is eaten in Asia (https://tropical.theferns.info/viewtropical.php?id=Merremia+umbellata) but that means it was potentially available to be edible for the Maya thousands of years ago in Peten.

Suzanne Cook has helpfully documented that *Merremia tuberosa* is used by the Lacandon Maya of Chiapas as a resin to vulcanize latex of *Castilla elastica* to turn the latex into rubber (2016: 34, 165, 260. Curiously I have not yet found any mention of *Merremia* in books on plants of the Peten Itza. Cyrus Lundell has documented *Merremia umbellata* for "Northern Peten" (1937: 48, 74, 109, 182, 202). He notes them for secondary growth of abandoned clearings, milpas, etc. Lundell does not mention any other species of *Merremia* besides *umbellata*.

The separate FLAAR Reports on pink, lavender, purple morning glory flowers of genus *Ipomoea plus* white morning glory vines and flowers of genus *Aniseia* show all the morning glory flowers of those species that we have photographed so far in PNYNN during 2018-2019.

The present volume focuses on yellow morning glory flowers of genus *Merremia*. But one member of morning glory family, Combretaceae, that is both "edible" and potentially an ingredient to vulcanize latex of *Castilla elastica* to make rubber, is *Turbina corymbosa*. *Turbina corymbosa* is listed for Peten (Standley and Williams 1970). *Turbina corymbosa* is one of the most common wild native hallucinogenic plant in Guatemala and adjacent countries: in Mexico is native to CAM, CHIS, COL, DGO, GTO, GRO, HGO, JAL, MEX, MICH, MOR, NAY, OAX, PUE, QRO, QROO, SLP, SIN, TAB, TAMS, VER, YUC (Villaseñor 2016: 706) and is native to the rest of Mesoamerica as well. *Turbina corymbosa* is found in Peten (listed for Tikal and other areas of Peten) plus Alta Verapaz, Chimaltenango, El Progreso, Escuintla, Huehuetenango, Izabal, Jutiapa, Santa Rosa, Zacapa (Portal de Biodiversidad de Guatemala).

We have found and photographed *Turbina corymbosa* around Lake Atitlan and Takalik Abaj—but have not yet found or photographed *Turbina corymbosa* in Peten—definitely an essential plant to find. We do not permit "taste testing" of wild plants because some edible plants have to be cooked before they are edible. And other wild plants produce effects that are not appropriate. Plus some "edible plants" have toxic parts and edible parts, so never eat the wrong parts. Hence, best not to taste-test any out in the wild.

But the pre-Columbian cultures of Mesoamerica imbibed plant substances so they could "rise to the heavens while still in their palace" and "enter Xibilba on a vision quest" with both plants and animals (Bufo toad, *Rhinella marina*).

References Cited and additional Suggested Reading on Genus Merremia

Obviously, you can find dozens of monographs and articles that include discussion of species of genus *Combretum* simply by Googling the name of the tree. So we show below just the standard traditional references that we use for all the plants that we find in the Reserva de la Biosfera Maya, RBM, Peten, Guatemala.

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Between Yaxha and Nakum, Jan. 20, 2019, NH.

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We sincerely thank Juan Manuel Segovia of Lonas Segovia for donating several giant tarps that are essential for our field trips to remote areas.

FLAAR was formed in 1969 to map Yaxha (and nearby Topoxte Island and Nakum) and we worked with the then president of Guatemala and the head of FYDEP to initiate protection of this area as a national park. Other conservationists added the Naranjo segment. Recently we were asked to return for flora, fauna, and biosphere field work from August 2018 to July 2019. This project was successful and as a result we were asked by CONAP to return for five more years, 2021-2026, of coordination and cooperation with them, both in the Yaxha, Nakum and Naranjo national park plus all the rest of the Reserva de la Biosfera Maya (RBM), Peten, Guatemala.

Base Camp Assistance at Naranjo-Sa'al

We thank Arqueologa Vilma Fialko and Arquitecto. Raul Noriega for hospitality and place to stay and kitchen while doing field work in flora, fauna and wetlands ecosystems in the Naranjo-Sa'al area of PNYNN. We thank Horacio Palacios who assisted as a guide for how to reach the amazing Savanna West of Naranjo-Sa'al.

Base Camp Assistance at Yaxha

We thank Biologist Lorena Lobos and both co-administrators of PNYNN (Arq. Jose Leonel Ziesse (IDAEH) and Lic. Jorge Mario Vazquez (CONAP) for providing a place to stay for the photographers, biologists, and assistants of the FLAAR Mesoamerica team of flora and fauna during the 1-week-a-month field trips August 2018 through July 2019.

In turn FLAAR purchased and donated a cooking stove when the original one no longer functioned, plus we have photographed and documented many tree and insect species that we found around this camp.

Ecolodge El Sombrero

I thank Gabriella Moretti, owner of Ecolodge El Sombrero, for providing hotel room and meals while we have been doing field work at Parque Nacional Yaxha Nakum Naranjo. We also appreciate the hospitality of her sons Sebastian de la Hoz and Juan Carlo de la Hoz. Every workday is exhausting because we are carrying and then using very heavy cameras, super-telephoto lenses, sturdy tripods, large gimbals or ball tripod heads. Thus it is crucial for my health to be able to rest and totally recuperate every night in order to be ready for the following day of botanical and zoological adventures in Parque Nacional Yaxha, Nakum and Naranjo.

Equally crucial is having a place to charge the batteries of the computers, or all the cameras, and of the cell phones. Solar power is great, but it lasts only an hour, or less, if you plug in multiple computers and cameras and flash batteries to charge. So a place with enough electricity to charge the entire mass of essential field work equipment is essential and thus very much appreciated.

In order to post photographs on botanical and zoological websites, you can't do this if there is either no Internet or weak Internet. Thus it is very helpful that when we are provided rooms and meals, that Internet is also provided by the Ecolodge El Sombrero.

Contact Info: +502 5460 2934, VentasElSombrero@gmail.com or WhatsApp.

www.elsombreroecolodge.com/en-us

Donations make our Field Trips and Research and Publications Possible

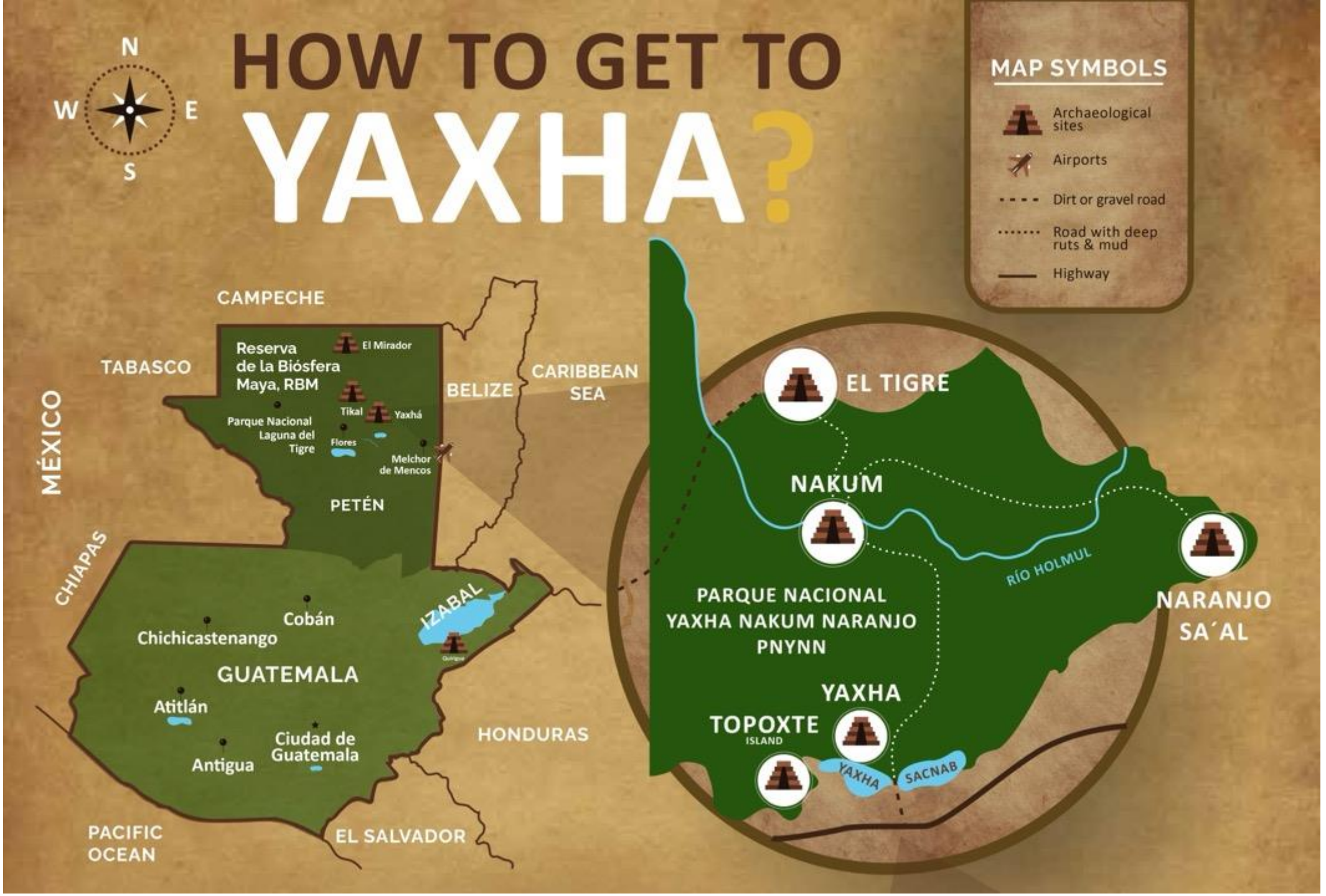
We appreciate a donation during November 2021 to help cover the costs of FLAAR research projects specifically to assist and support the current FLAAR project of flora and fauna in the Reserva de la Biosfera Maya (RBM). This donation also assisted the FLAAR (USA) and FLAAR Mesoamerica (Guatemala) research project in the Municipio de Livingston area of the departamento of Izabal, Guatemala.

In a subsequent year we received an additional helpful donation from this family to help fund the field work and research and publications on flora, fauna and biodiverse ecosystems of PNYNN and surrounding RBM of Peten, Guatemala.

These donations are from a family in Chicago in honor and memory of botanist Dr John D. Dwyer, who worked in many areas of Mesoamerica, including in the Yaxha area in the 1970's while the site was being mapped by FLAAR.

These donations are also in recognition of the urgency and need for conservation of both wildlife and rare plants in the bio-diverse ecosystems of the Reserva de la Biosfera Maya (RBM) of Guatemala. Parque Nacional Yaxha, Nakum and Naranjo (PNYNN) is one part of the over 5 million acres of the RBM.

FLAAR is a non-profit research institute, tax exempt in USA.


HOW TO GET TO
YAXHA?
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MAP SYMBOLS
Archaeological sites
Airports
Dirt or gravel road
Road with deep ruts & mud
Highway
CAMPECHE
TABASCO
MÉXICO
Reserva de la Biósfera Maya, RBM
El Mirador
Tikal
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PARQUE NACIONAL YAXHA NAKUM NARANJO PNYNN
NARANJO
SA´AL
YAXHA
TOPOXTE
ISLAND
YAXHA
SACNAB

Go to the Mundo Maya airport in Santa Elena and then you will find a services of tourist vehicles to go to the archaeological site. If you want to go by car from Guatemala City, take the following route: Río Dulce - Poptún-Flores. At the junction further on you will find on the left the route to Tikal. Go straight on to the right towards Yaxha (towards Melchor de Mencos). In km. 521 at the village La Maquina, turn left to the site.Ecolodge El Sombrero is 50 meters before the entrance to National Park Yaxha - Nakum - Naranjo.

The following four pages Show the Front Covers of the first fifteen FLAAR Reports on Flowers of PNYNN worth Seeing and Learning About

The front covers are not yet hot links because we are still finishing these reports. But by end of October 2025, all fifteen will be on-line on www.Maya-ethnobotany.org and on other of our web sites.

We are also preparing FLAAR Reports on orchids and bromeliads of PNYNN.

FLAAR Reports on ”How to Recognize which Tree Genus and Species by the Pattern, Color, or other Features of the Bark on their Trunk”

FLAAR Reports on edible insects of PNYNN. There are over 500 edible insects across Mexico, so we are looking for samples at PNYNN.

FLAAR Reports on waterbirds of PNYNN, published as part of a project of coordination and cooperation with FUNDAECO.

Bright Orange Flowers of *Cordia dodecandra*, Nakum Area of PNYNN, Peten, Guatemala

Volume 1 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala)
October 2025

4-Petalled Flowers of River Banks, Lake Shores, and Seasonally inundated Savannas

Ludwigia octovalvis

Volume 2 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Masses of Yellow Flowers, Genus *Combretum*, along road between Yaxha and Nakum, PNYNN

Volume 3 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Text and Photographs: Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala)
October 2025

Flowers and bizarre Bracts of *Calathea lutea*, relative of *Heliconia* and of Banana Naranjo-Sa'al and Savanna of 3 Fern Species areas of Parque Nacional Yaxha, Nakum and Naranjo (PNYNN)

Fresh Green Leaves of *Calathea lutea*
are a great Alternative to Plastic

Volume 4 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA)
and FLAAR Mesoamerica (Guatemala),
October 2025

Costus pictus, Medicinal Flowers,
Yaxha and Naranjo-Sa'al Areas of PNYNN

Volume 5 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports,
FLAAR (USA) and FLAAR Mesoamerica (Guatemala), October 2025

Piscidia piscipula, Jabin, Dogwood, with Hummingbird Pollinator
Yaxha and Nakum areas of Parque Nacional Yaxha, Nakum and Naranjo

Volume 6 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala), October 2025

A beautiful Red Flower, a Hibiscus Relative, but the Petals and Sepals never open
Malvaviscus arboreus, Sleeping Hibiscus

Volume 7 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala), October 2025

Photogenic wild Morning Glory Flowers of Nakum and Yaxha areas of PNYNN

Volume 8 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala), October 2025

Photogenic Bright Yellow Morning Glory Flowers of Genus *Merremia*

Nakum and Yaxha areas of PNYNN

Volume 9 for Series:

Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala), October 2025

Yellow Flower Paradise, Yellow Flowers Covering the Tree Canopy

Nakum, East of Savanna Bajo, PNYNN

Volume 10 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala), October 2025

Yellow Flowers & Fruits of Wild Undomesticated Squash Vines,

Cucurbita lundelliana

Along the Shores of Lakes and Rivers in Parque Nacional Yaxha, Nakum and Naranjo

Volume 11 for Series:

Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala)
October 2025

Orange Masses of Flowers of Parasitic Vine (but does not kill the host)

Genus Psittacanthus, Yaxha, Blom Sacbe and adjacent Grupo Maler

Volume 12 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Text and Photographs: Nicholas Hellmuth
FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala)
October 2025

Yellow-Orange Flowers of Trees of the *Caesalpinia* species, Fabaceae family
Bajo La Justa, between Yaxha and Nakum, PNYNN

Volume 13 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth, FLAAR Reports, FLAAR (USA) and FLAAR Mesoamerica (Guatemala), October 2025

Gorgeous Yellow Masses of Flowers of *Haematoxylum campechianum* at Parque Nacional Yaxha, Nakum and Naranjo

Volume 14 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo, PNYNN
Reserva de la Biosfera Maya, RBM, Peten, Guatemala

Nicholas Hellmuth

FLAAR Reports,
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October 2025

Flowers of Orchids on Trees
surrounding the Maya Ruins of Yaxha, PNYNN

Vol 15 for Series:
Flowers worth experiencing at Parque Nacional Yaxha, Nakum and Naranjo (PNYNN)

Reserva de la Biosfera Maya
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October 2025

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