

AMPHIBIANS OF THE COSTA RICAN AMPHIBIAN RESEARCH CENTER'S PRIVATE RESERVE



Herein we are following the familiar, generic, and specific arrangements of Amphibiaweb, June 2012.

Version 1.0 (June 2012)



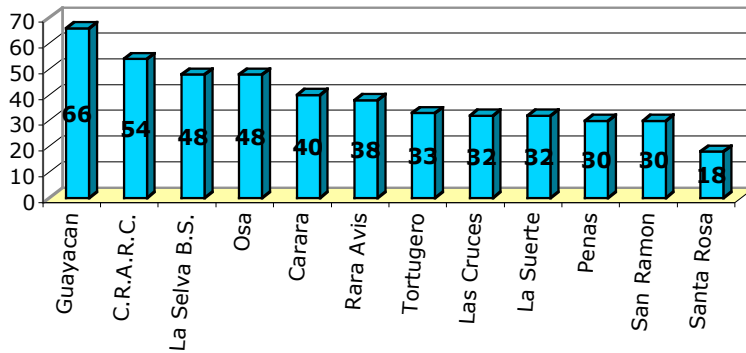
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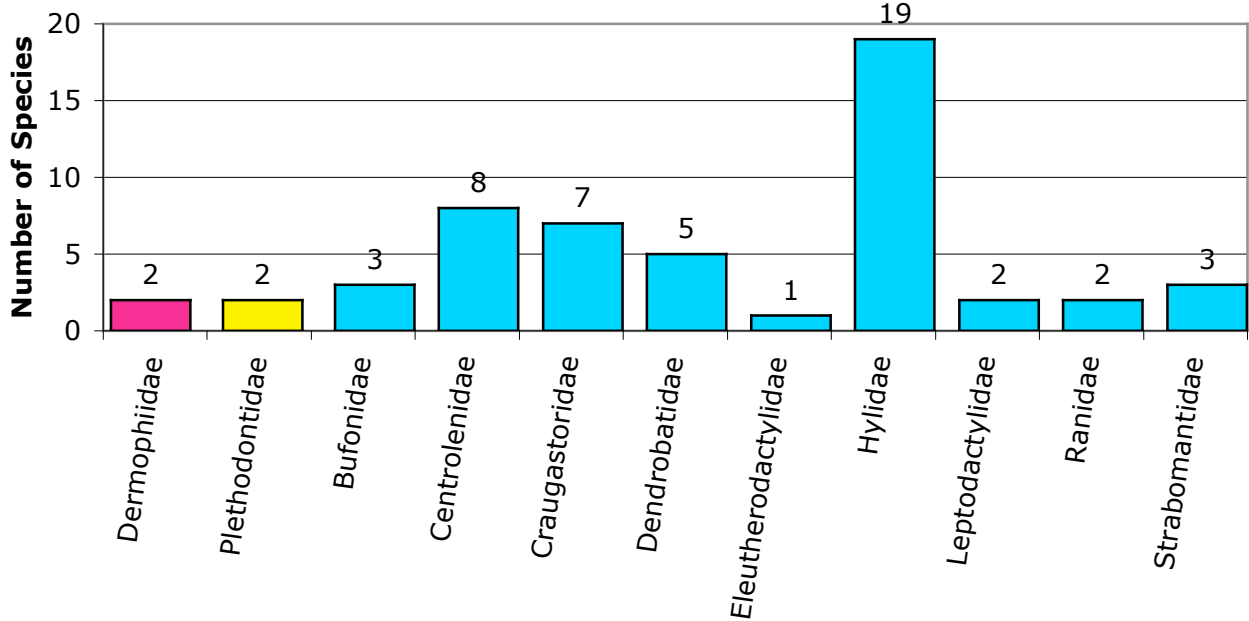
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Amphibian diversity at various sites in Costa Rica.



Representation of Species Diversity per Family for the Class Amphibia at the C.R.A.R.C. Reserve.

Amphibian Species of the C.R.A.R.C. Reserve:

Order: Gymnophiona

Family: Dermophiidae

Dermophis parviceps
Gymnopsis multiplicata

Order: Caudata

Family: Plethodontidae

Bolitoglossa colonnea
B. striatula

Order: Anura

Family: Bufonidae

Incilius melanochlorus
Rhaebo haematiticus
Rhinella marina

Family: Centrolenidae

Cochranella granulosa
Hyalinobatrachium fleischmanni
H. talamancae
H. valerioi
Sachatamia albomaculata
S. ilex
Teratohyla pulverata
T. spinosa

Family: Craugastoridae

Craugastor bransfordii
C. crassidigitus
C. fitzingeri
C. megacephalus
C. noblei
C. persimilis
C. "reaki"

Family: Dendrobatidae

Allobates talamancae
Dendrobates auratus

Oophaga pumilio
Phyllobates lugubris
Silverstoneia flotator

Family: Eleutherodactylidae

Diasporus diastema

Family: Hylidae

Agalychnis callidryas
A. lemur
A. saltator
A. spurrelli
Anotheca spinosa
Cruziohyla calcarifer
Dendropsophus ebraccatus
D. phlebodes
Duellmanohyla rufioculis
D. uranochroa
Ecnomiohyla sukia
Hyloscirtus palmeri
Isthmohyla lancasteri
Scinax boulengeri
S. elaeochrous
Smilisca baudinii
S. phaeota
S. sordida
Tlalocohyla loquax

Family: Leptodactylidae

Leptodactylus melanonotus
L. savagei

Family: Ranidae

Rana vaillanti
R. warszewitschii

Family: Strabomantidae

Prisitmantis cerasinus
P. cruentus
P. ridens

Total Species: 54



Dermophis parviceps
Order: Gymnophiona
Family: Dermophiidae



Gymnopsis multiplicata
Order: Gymnophiona
Family: Dermophiidae



Bolitoglossa colonnea
Order: Caudata
Family: Plethodontidae



Bolitoglossa striatula
Order: Caudata
Family: Plethodontidae



Incilius melanochlorus
Order: Anura
Family: Bufonidae



Rhaebo haematiticus
Order: Anura
Family: Bufonidae



Rhinella marina
Order: Anura
Family: Bufonidae



Cochranella granulosa
Order: Anura
Family: Centrolenidae



Hyalinobatrachium fleischmanni
Order: Anura
Family: Centrolenidae



Hyalinobatrachium talamancae
Order: Anura
Family: Centrolenidae



Hyalinobatrachium valerioi
Order: Anura
Family: Centrolenidae



Sachatamia albomaculata
Order: Anura
Family: Centrolenidae



Sachatamia ilex
Order: Anura
Family: Centrolenidae



Teratohyla pulverata
Order: Anura
Family: Centrolenidae



Teratohyla spinosa
Order: Anura
Family: Centrolenidae



Craugastor bransfordii
Order: Anura
Family: Craugastoridae



Craugastor crassidigitus
Order: Anura
Family: Craugastoridae



Craugastor fitzingeri
Order: Anura
Family: Craugastoridae



Craugastor megacephalus
Order: Anura
Family: Craugastoridae



Craugastor noblei
Order: Anura
Family: Craugastoridae



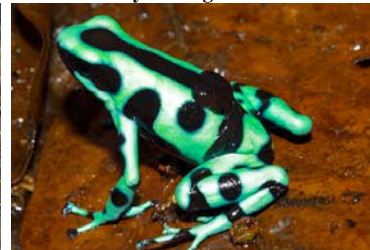
Craugastor persimilis
Order: Anura
Family: Craugastoridae



Craugastor "rearki"
Order: Anura
Family: Craugastoridae



Allobates talamancae
Order: Anura
Family: Dendrobatidae



Dendrobates auratus
Order: Anura
Family: Dendrobatidae



Oophaga pumilio
Order: Anura
Family: Dendrobatidae



Phyllobates lugubris
Order: Anura
Family: Dendrobatidae



Silverstoneia flotator
Order: Anura
Family: Dendrobatidae



Diasporus diastema
Order: Anura
Family: Eleutherodactylidae



Agalychnis callidryas
Order: Anura
Family: Hylidae



Agalychnis lemur
Order: Anura
Family: Hylidae



Agalychnis saltator
Order: Anura
Family: Hylidae



Agalychnis spurrelli
Order: Anura
Family: Hylidae



Cruziohyla calcarifer
Order: Anura
Family: Hylidae



Anotheca spinosa
Order: Anura
Family: Hylidae



Dendropsophus ebraccatus
Order: Anura
Family: Hylidae



Dendropsophus phlebodes
Order: Anura
Family: Hylidae



Duellmanohyla ruficulis
Order: Anura
Family: Hylidae



Duellmanohyla uranochroa
Order: Anura
Family: Hylidae



Ecnomiohyla sukia
Order: Anura
Family: Hylidae



Hyloscirtus palmeri
Order: Anura
Family: Hylidae



Isthmohyla lancasteri
Order: Anura
Family: Hylidae



Scinax boulengeri
Order: Anura
Family: Hylidae



Scinax eleaochrous
Order: Anura
Family: Hylidae



Smilisca baudinii
Order: Anura
Family: Hylidae



Smilisca phaeota
Order: Anura
Family: Hylidae



Smilisca sordida
Order: Anura
Family: Hylidae



Tlalocohyla loquax
Order: Anura
Family: Hylidae



Leptodactylus melanonotus
Order: Anura
Family: Leptodactylidae



Leptodactylus savagei
Order: Anura
Family: Leptodactylidae



Rana vailanti
Order: Anura
Family: Ranidae



Rana warszewitschii
Order: Anura
Family: Ranidae



Pristimantis cerasinus
Order: Anura
Family: Strabomantidae



Pristimantis cruentus
Order: Anura
Family: Strabomantidae



Pristimantis ridens
Order: Anura
Family: Strabomantidae

AMPHIBIANS OF THE C.R.A.R.C. RESERVE

<u>Order:</u>	<u>Family:</u>	<u>Species:</u>	<u>Habitat:</u>	<u>Activity:</u>	<u>Breeding Mode:</u>	<u>C.R.A.R.C. Status:</u>
Gymnophiona	Dermophiidae	<i>Dermophis parviceps</i>	D, S, P, F	U	U (L?)	U
		<i>Gymnopsis multiplicata</i>	D, S, P, F	N	L	U
Caudata	Plethodontidae	<i>Bolitoglossa colonnea</i>	S, P, L	N	Lld	O
		<i>B. striatula</i>	D, S, L	N	Lld	U
Anura	Bufonidae	<i>Incilius melanochlorus</i>	S, P, T	N	As	U
		<i>Rhaebo haematiticus</i>	S, P, T, Rs	N	As	U
		<i>Rhinella marina</i>	D, S, T	N	Ap	C
	Centrolenidae	<i>Cochranella granulosa</i>	S, P, L, A	N	Sv	C
		<i>Hyalinobatrachium fleischmanni</i>	D, S, P, L, A	N	Sv	C
		<i>H. talamancae</i>	S, P, L, A	N	Sv	R
		<i>H. valerioi</i>	S, P, L, A	N	Sv	C
		<i>Sachatamia albomaculata</i>	S, P, L, A	N	Sv	O
		<i>S. ilex</i>	S, P, L, A	N	Sv	C
		<i>Teratohyla pulverata</i>	S, P, L, A	N	Sv	C
		<i>T. spinosa</i>	S, P, L	N	Sv	C
	Craugastoridae	<i>Craugastor bransfordii</i>	D, S, P, T	D, N	Lld	C
		<i>C. crassidigitus</i>	S, P, T, L	N	Lld	C
		<i>C. fitzingeri</i>	D, S, P, T, L	N	Lld	C
		<i>C. megacephalus</i>	S, P, T	N	Lld	U
		<i>C. noblei</i>	S, P, T, L	N	Lld	U
		<i>C. persimilis</i>	S, P, T	D, N	Lld	O
		<i>C. "rearki"</i>	D, S, T	N	Lld	O
	Dendrobatidae	<i>Allobates talamancae</i>	S, P, T	D	Lla	C
		<i>Dendrobates auratus</i>	D, S, P, T	D	Lla	C
		<i>Oophaga pumilio</i>	D, S, P, T	D	Lla	C
		<i>Phyllobates lugubris</i>	D, S, P, T	D	Lla	C
		<i>Silverstoneia flotator</i>	S, P, T,	D	Lla	O
	Eleutherodactylidae	<i>Diasporus diastema</i>	D, S, P, L, A	N	Lld	C
	Hylidae	<i>Agalychnis callidryas</i>	D, S, P, L, A	N	Pv, Tt	C

	<i>A. lemur</i>	D, S, P, L	N	Pv	C
	<i>A. saltator</i>	S, P, L, A	N	Pv	U
	<i>A. spurrelli</i>	S, P, L, A	N	Pv	C
	<i>Cruziohyla calcarifer</i>	S, P, L, A	N	Tt	C
	<i>Anotheca spinosa</i>	S, P, L, A	N	T, Tt	O
	<i>Dendropsophus ebraccatus</i>	D, S, P, L	N	Pv	C
	<i>D. phlebodes</i>	D, S, L	N	Ap	C
	<i>Duellmanohyla rufioculis</i>	S, P, L, Rs	N	As	C
	<i>D. uranochroa</i>	S, P, L, Rs	N	As	R
	<i>Ecnomiohyla sukia</i>	S, P, A	N	U (T?)	R
	<i>Hyloscirtus palmeri</i>	S, P, L, Rs	N	As	C
	<i>Isthmohyla lancasteri</i>	S, P, L, Rs	N	As	O
	<i>Scinax boulengeri</i>	D, S, P, L, A	N	Ap	R
	<i>S. elaeochrous</i>	D, S, P, L, A	N	Ap	C
	<i>Smilisca baudinii</i>	D, S, P, L, A	N	Ap	R
	<i>S. phaeota</i>	D, S, P, Aq, L	N	Ap	C
	<i>S. sordida</i>	D, S, P, L, Rs	N	As	O
	<i>Tlalocohyla loquax</i>	D, S, P, L, A	N	Ap	C
Leptodactylidae	<i>Leptodactylus melanonotus</i>	D, S, Aq	D, N	Af	O
	<i>L. savagei</i>	D, S, P, T	D, N	Af	C
Ranidae	<i>Rana vaillanti</i>	D, S, P, Aq, T	D, N	Ap	C
	<i>R. warszewitschii</i>	D, S, P, Aq, T, Rs	D, N	As	C
Strabomantidae	<i>Pristimantis cerasinus</i>	S, P, T, L	N	Lld	C
	<i>P. cruentus</i>	S, P, L	N	Lld	R
	<i>P. ridens</i>	D, S, P, L	N	Lld	C

KEY TO SYMBOLS INCLUDED FOR EACH SPECIES

HABITAT:

D= Disturbed open habitats
 S= Secondary forest
 P= Primary forest
 T= Terrestrial
 R= Rotting trunks, and under moss mats
 L= Low-lying vegetation (0-5 meters)
 A= Arboreal (5+ meters)
 F= Fossorial
 Aq= Aquatic
 Rs= Rocks in or near streams

Activity: Primary Activity Period

D= Diurnal
 N= Nocturnal
 U= Unknown

Breeding Mode:

Af= Aquatic foam nests
 Ap= Eggs laid in the water of ponds
 As= Eggs laid in the water of streams
 Sv= Eggs laid principally on the vegetation overhanging streams
 Pv= Eggs laid principally on the vegetation overhanging ponds
 Lld= Eggs laid in the leaf litter, rotting trunks, or vegetation, and having direct development
 Lla= Eggs laid in the leaf litter, and tadpoles are later carried to water
 U= Unknown
 T= Eggs laid in the water of tree holes
 Tt= Eggs laid on the bark, wood, or vegetation above a water-filled cavity in a tree or trunk
 L= Bearing live young

Status in the Reserve:

C= Common; sightings are frequent, and normally expected while visiting a species living or breeding habitat
 O= Occasional; sightings are not expected on every visit to the species living or breeding habitat
 U= Unusual; Sightings are unusual on a visit to the species living or breeding habitat
 R= Rare; Sightings are exceptional