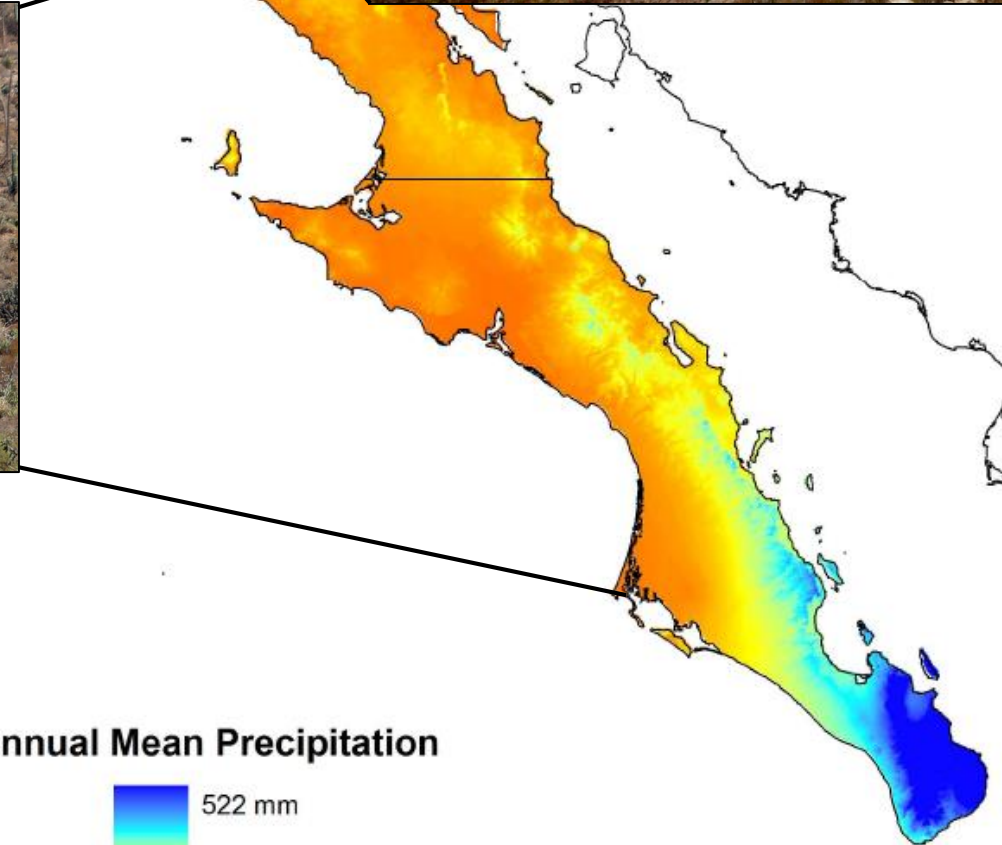
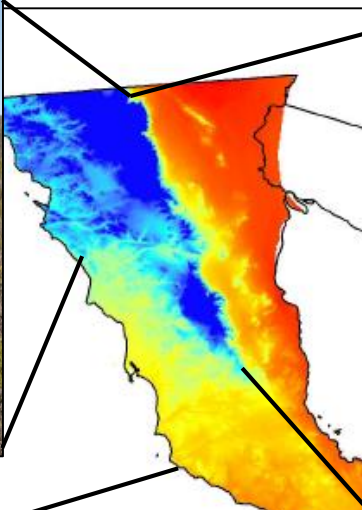
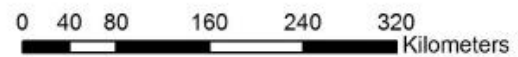


Patterns of plant endemism and biodiversity knowledge in Baja California

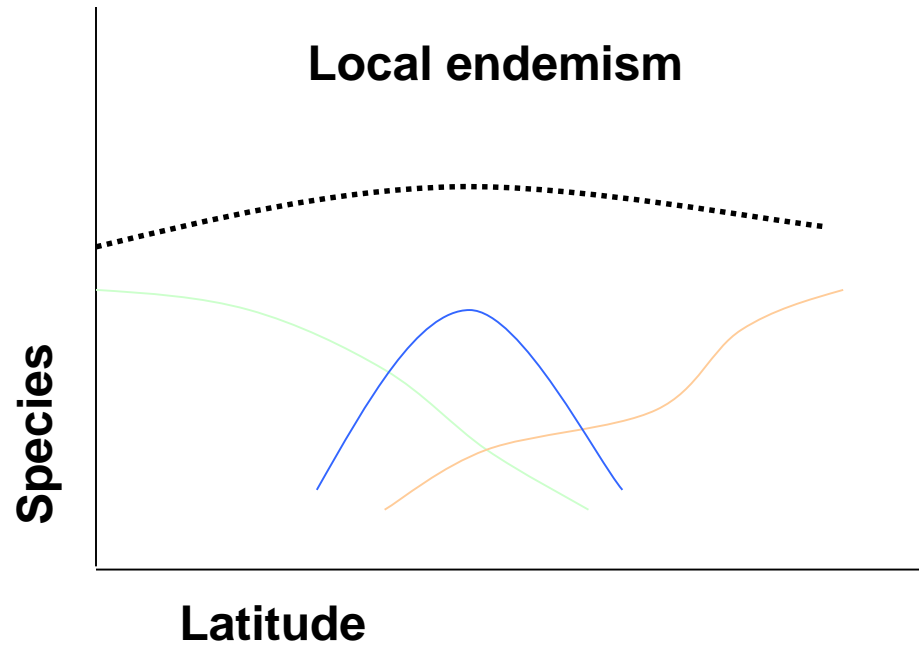
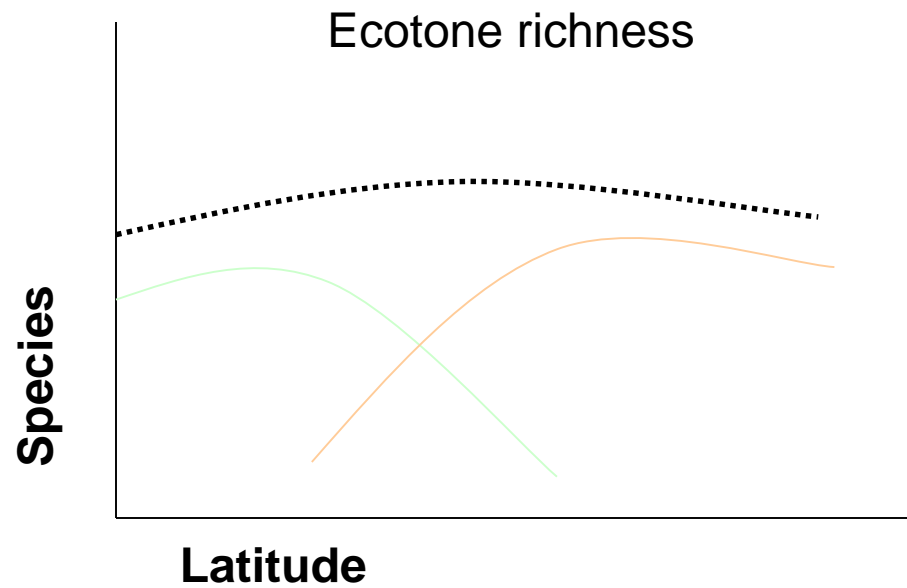
Sula Vanderplank, Jon Rebman, Michael Wall, Exequiel Ezcurra



Annual Mean Precipitation



Species composition



Rare and endemic plant working group: Inventory of Rare, Threatened, Endangered and Endemic Plants of CFP Baja

O'Brien *et al.*,
Aliso, in press

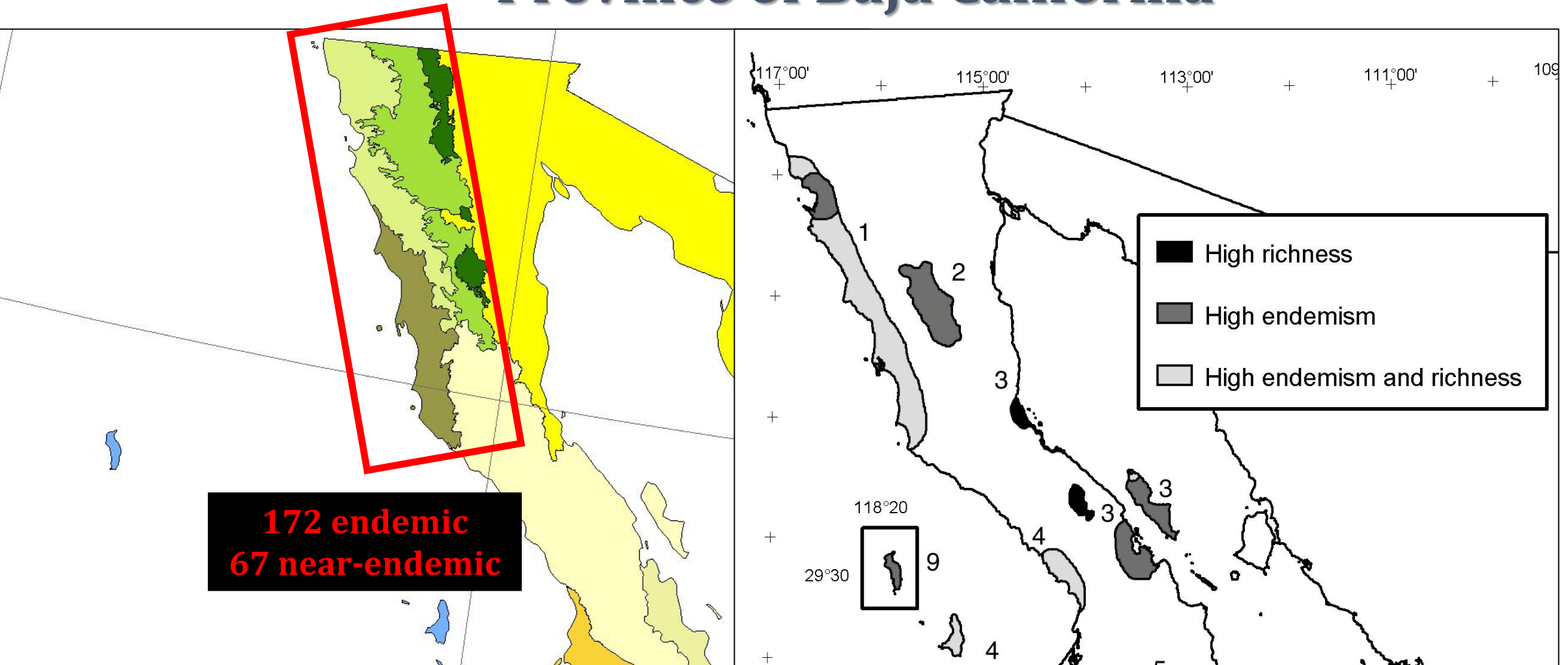
LIST	# of Taxa
Baja CFP endemics	172
Near endemics (extending north)	44*
Near endemics (extending south)	23*
Endemic to the peninsula	48
TOTAL	286*

**Bahiopsis laciniata* appears in both lists



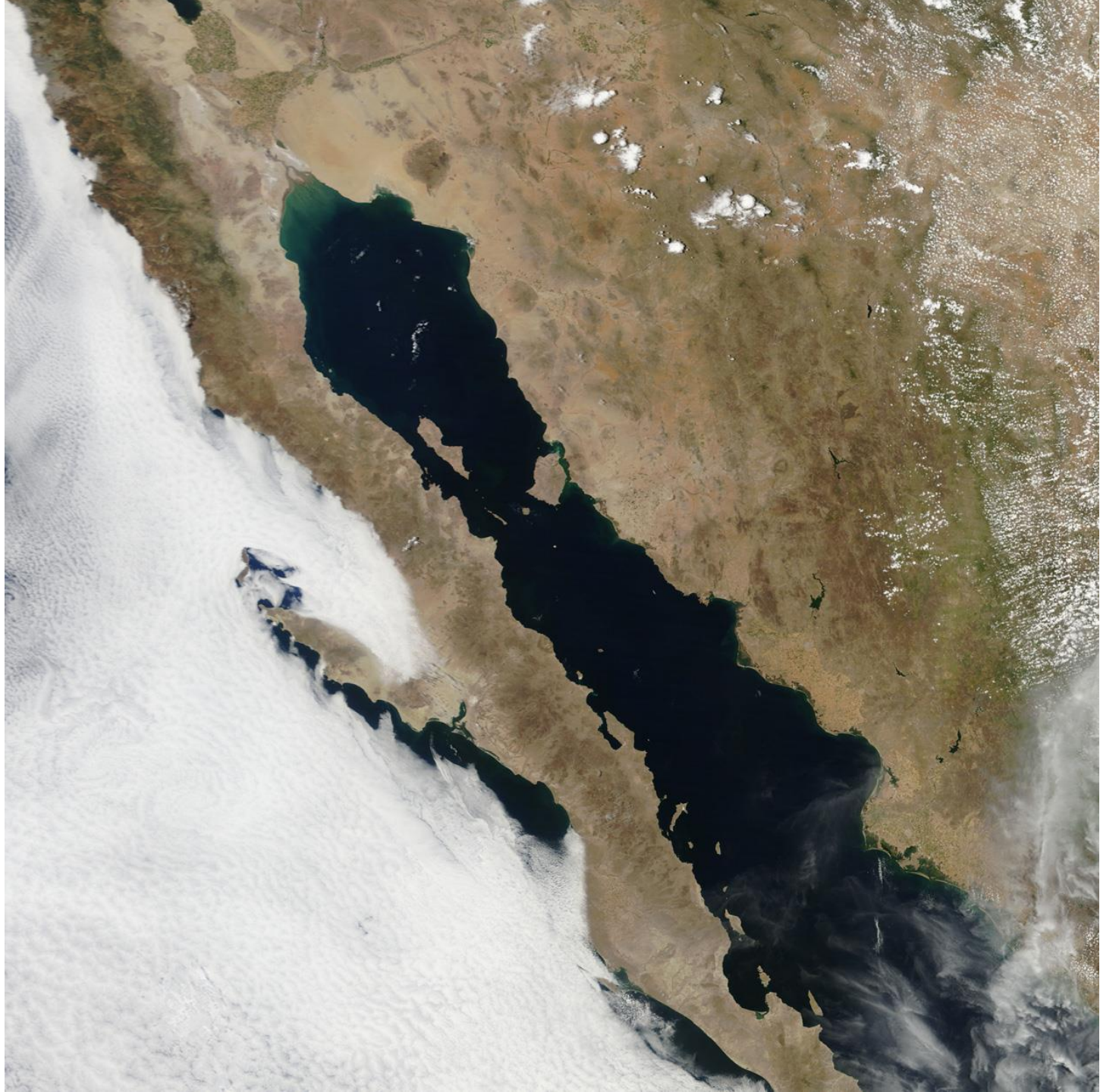
1,635 native taxa in the project

Endemic plants and the California Floristic Province of Baja California

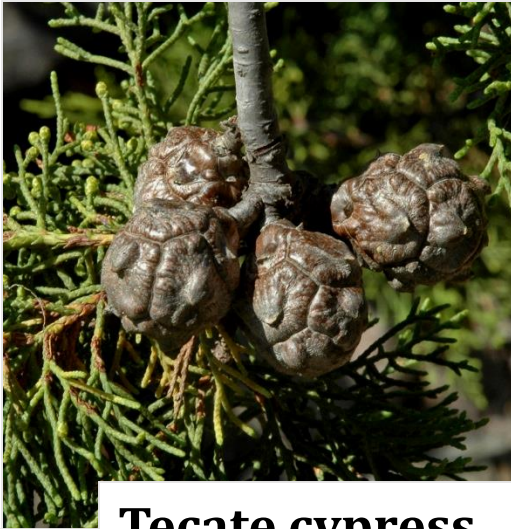


Garcillán *et al.* (2010)
Journal of the Southwest

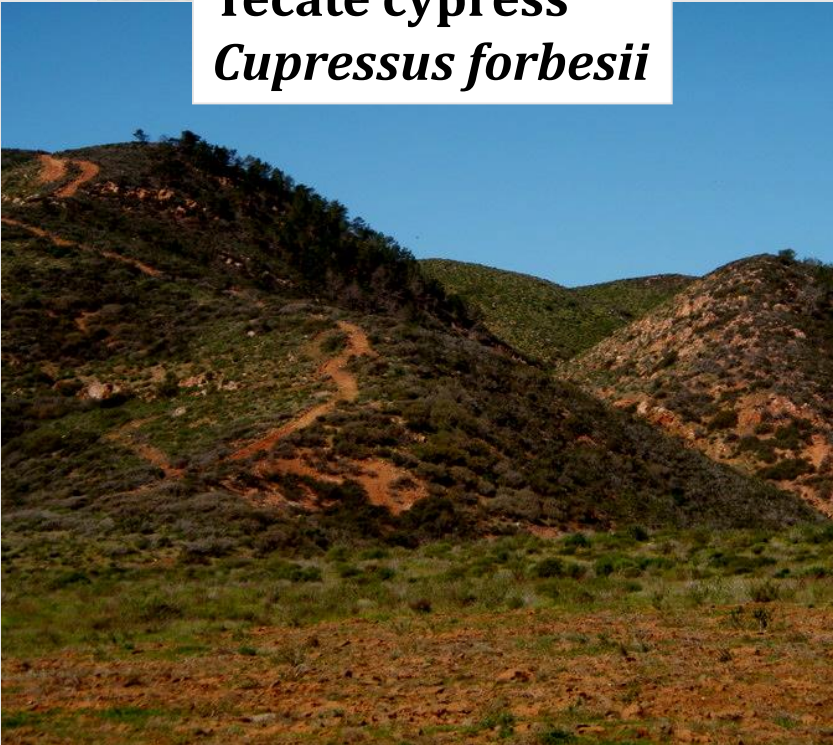
Riemann & Ezcurra (2007) Biological
Conservation



Paleoendemics



Tecate cypress
Cupressus forbesii



Bishop pine
Pinus muricata



Recently radiated taxa (neo-endemics)



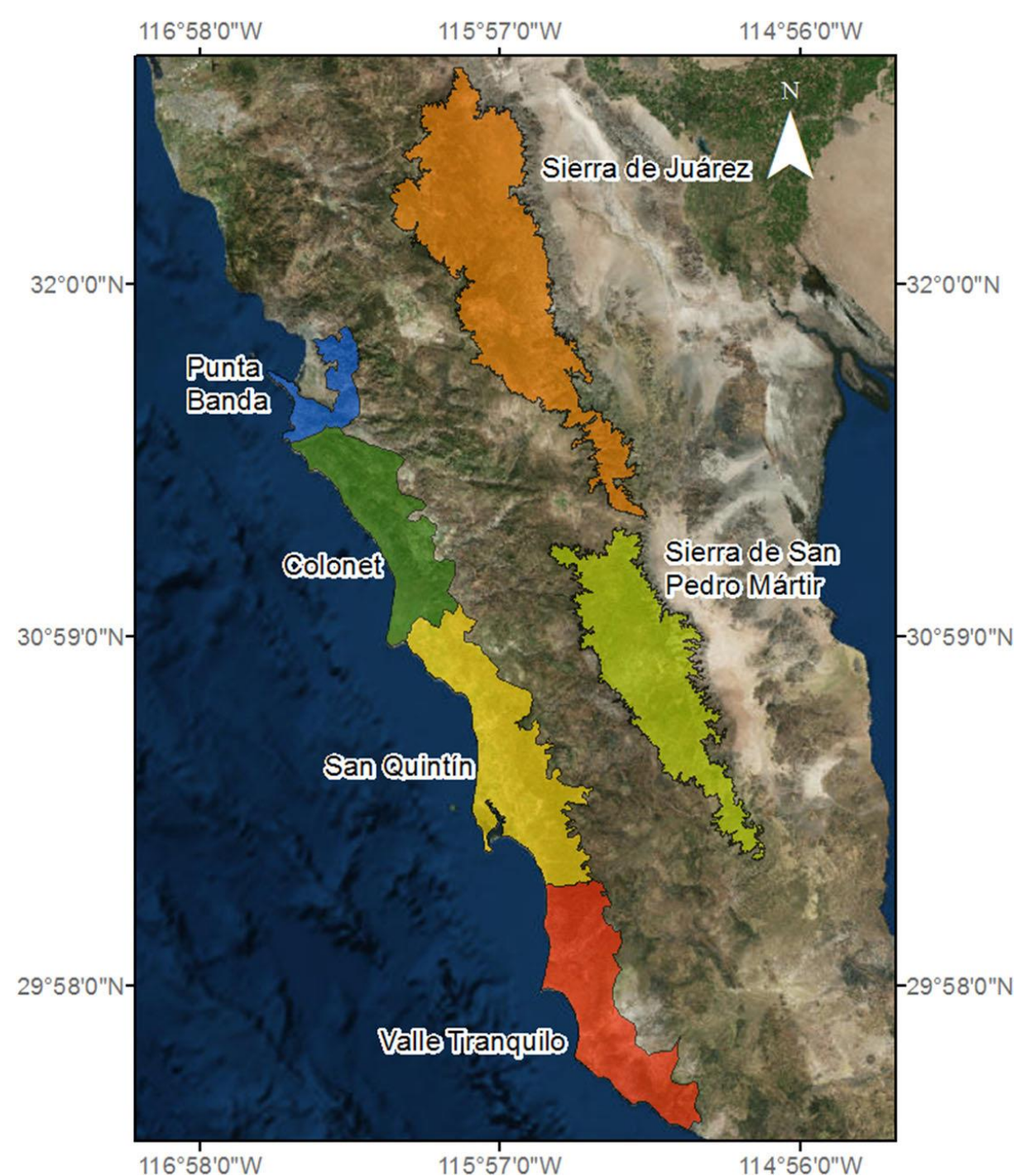
Hazardia berberidis



Hazardia orcuttii



Hazardia ferrisiae



Where is endemism concentrated?

	Punta Banda	Colonet	San Quintín	Valle Tranquillo	San Pedro Mártir	Sierra Juárez
Elevation max (m)	1100	795	705	660	3080	1980
Elevation min (m)	0	0	0	0	1160	1170
Area (hectares)	44,560	134,310	194,650	163,380	224,400	352,500

Plants by region

	Punta Banda	Colonet	Valle Tránsito	Sierra San Pedro Mártir	San Quintín	Sierra Juárez
Total plant taxa	415	719	426	907	690	796
Native plants	349	616	382	849	569	738
% native	84	86	90	94	82	93
State endemics & near-endemics	39	56	57	64	70	37
Micro-endemics (& near-endemics)	4(+2)	4(+2)	0	24	2 (+4)	6
NOM plants	6	10	3	15	8	8



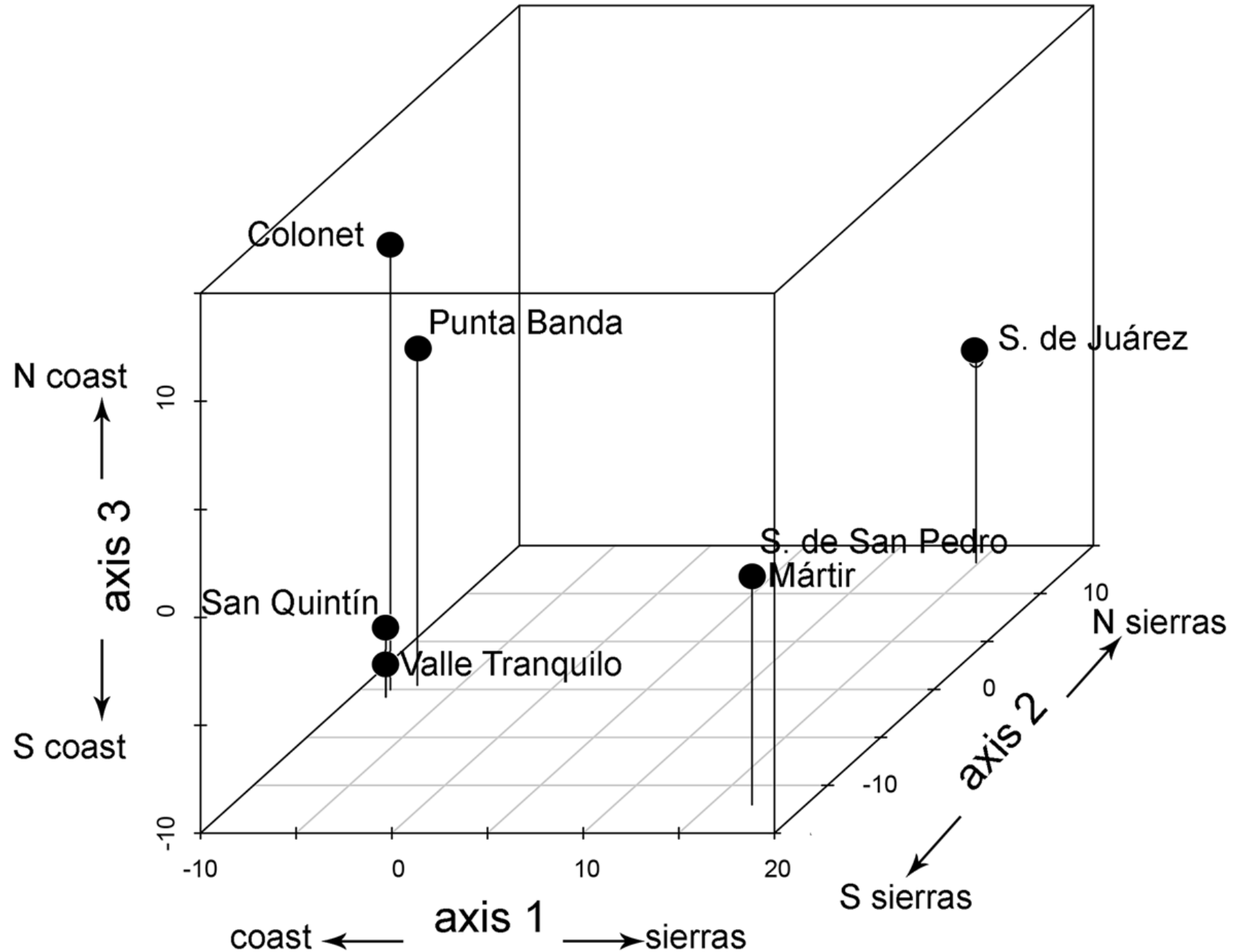
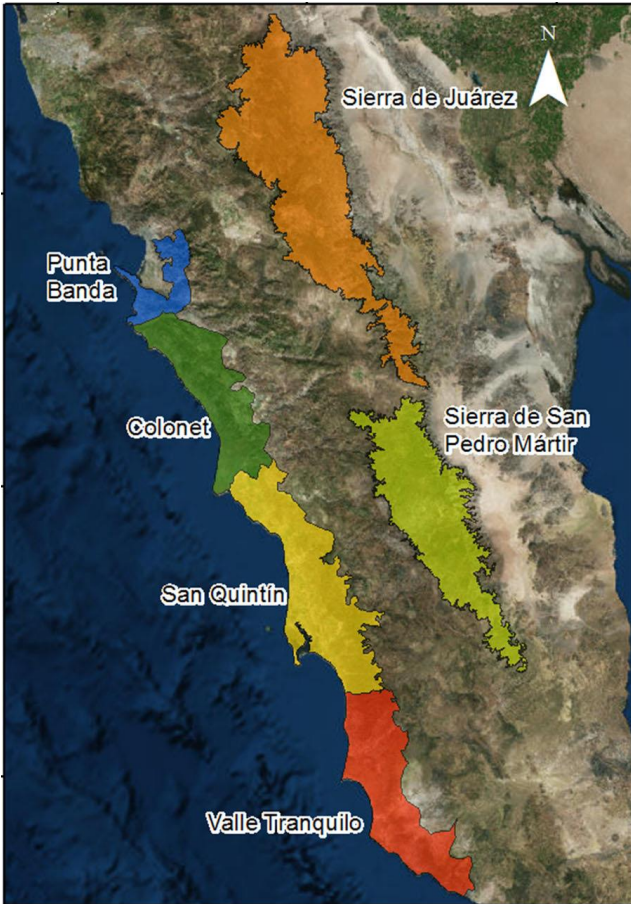
**1794 plants
in this analysis
(1594 native)**

Coast v. Mountains

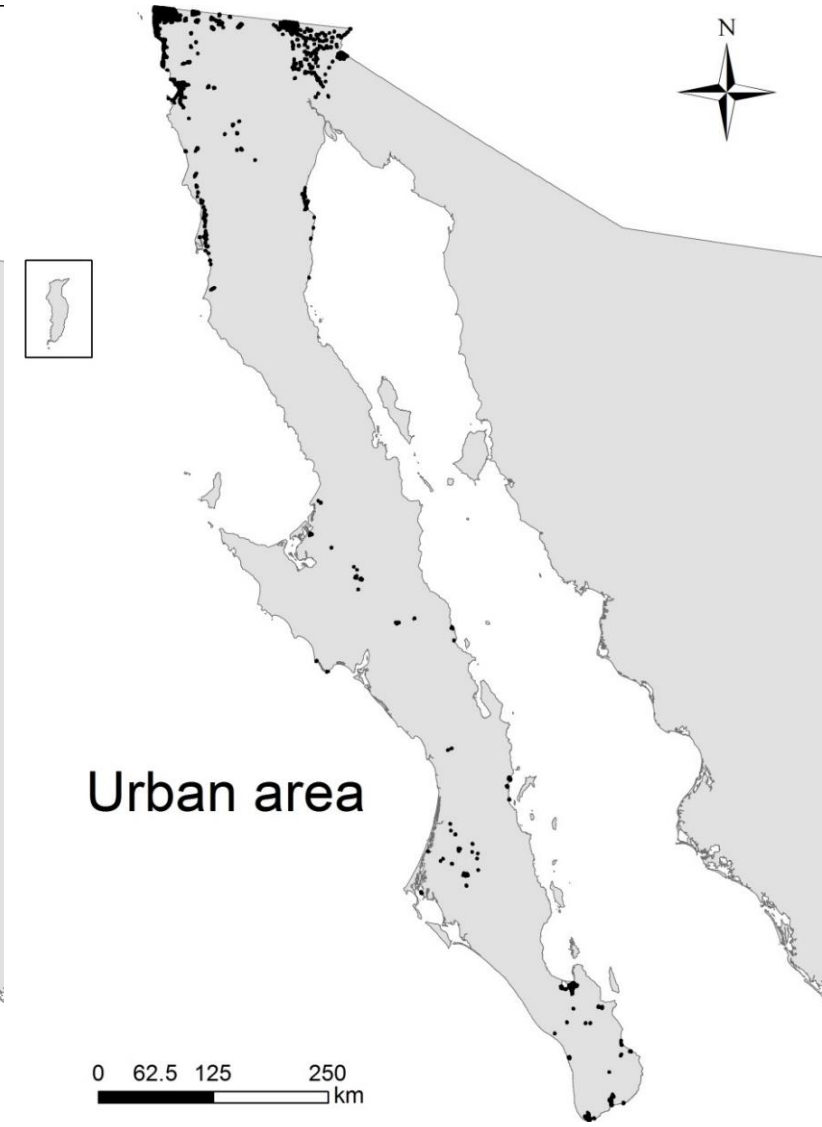
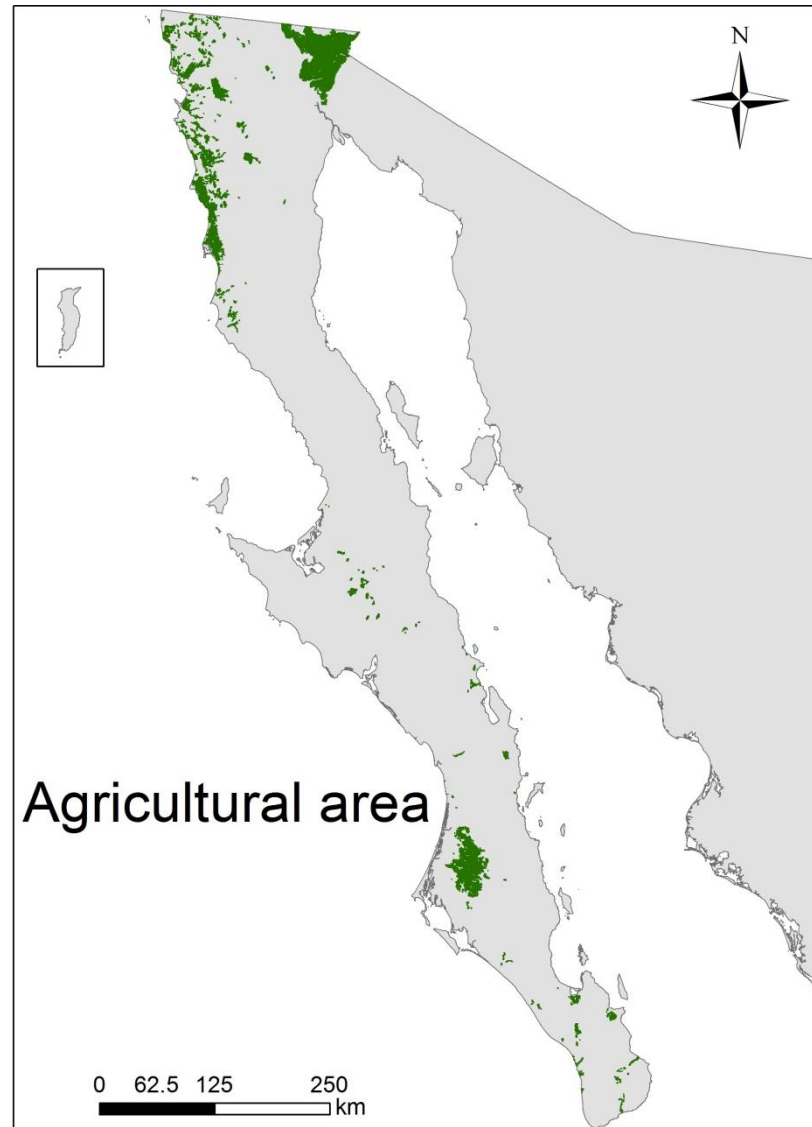
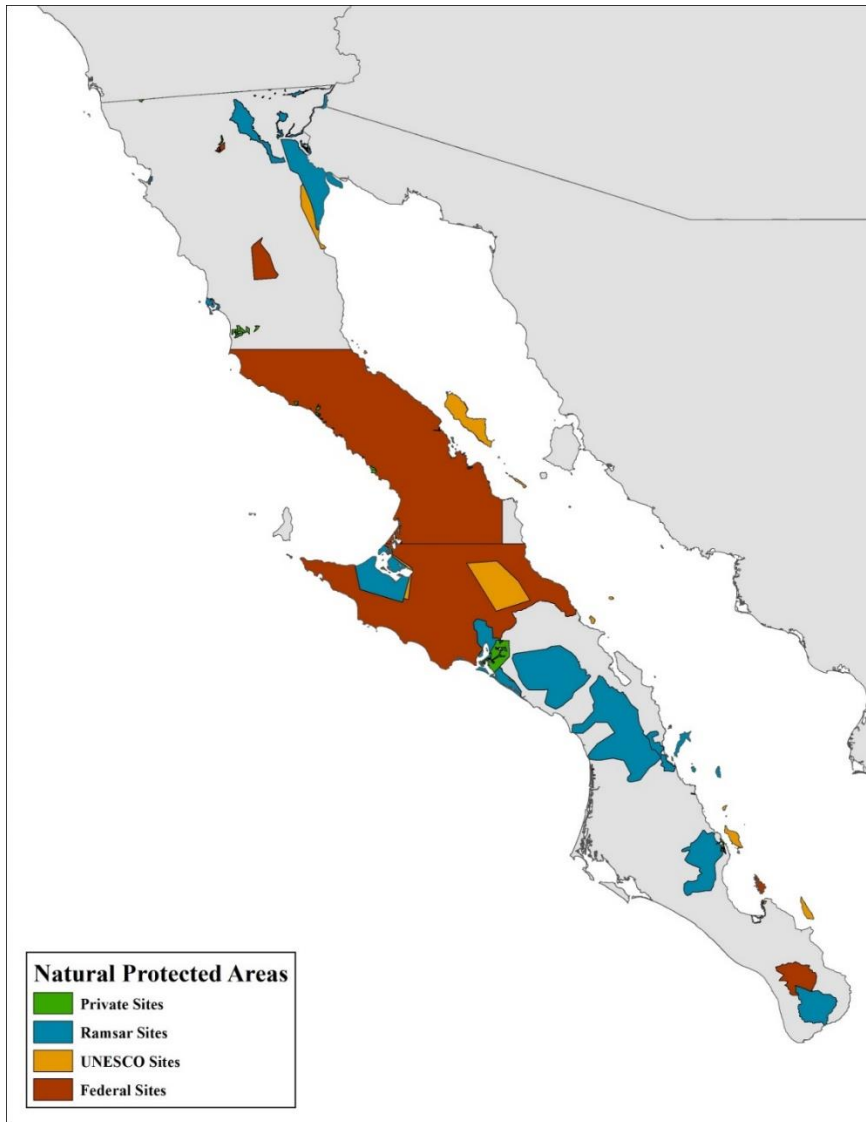
	Coastal sites combined	Mountainous sites combined
Total plant taxa	1074	1188
Native plants	909	1109
% native	85%	93%
State endemics (& near-endemics)	148	103
Micro-endemics (& near-endemics)	10 (+8)	30
NOM plants	13	16



Floristic relationships



Human footprint and Natural Protected Areas



Biodiversidad y panorama de la conservación
en la península de Baja California

*Biodiversity and Conservation Landscape
of the Peninsula of Baja California*



the nat

SAN DIEGO
NATURAL HISTORY
MUSEUM

Terra
Peninsular
Arte Vivo

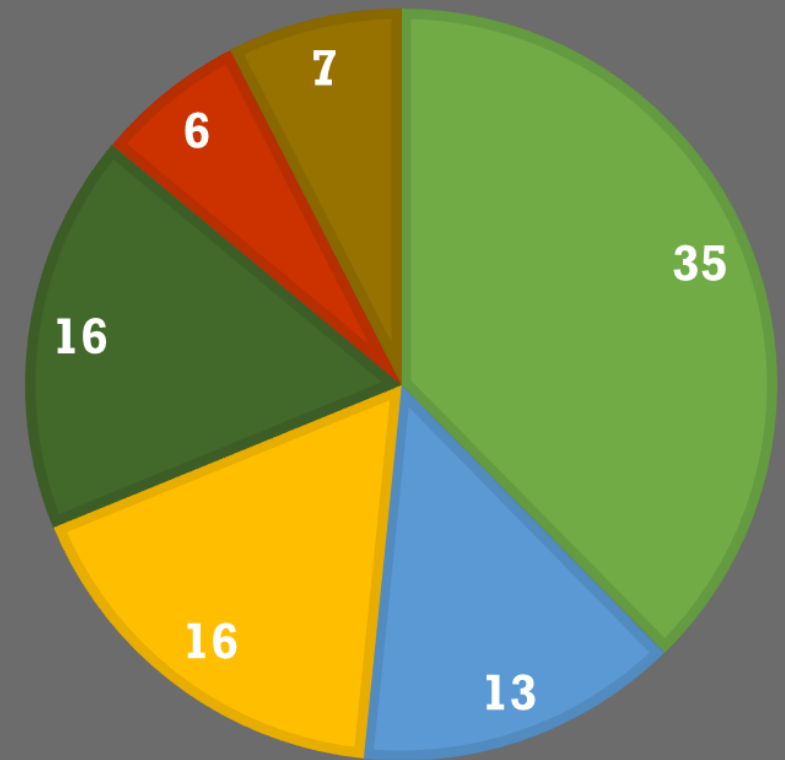
CONABIO

Pulling the conservation landscape together....

<https://www.sdnhm.org/science/conservation-priorities/>

Participants

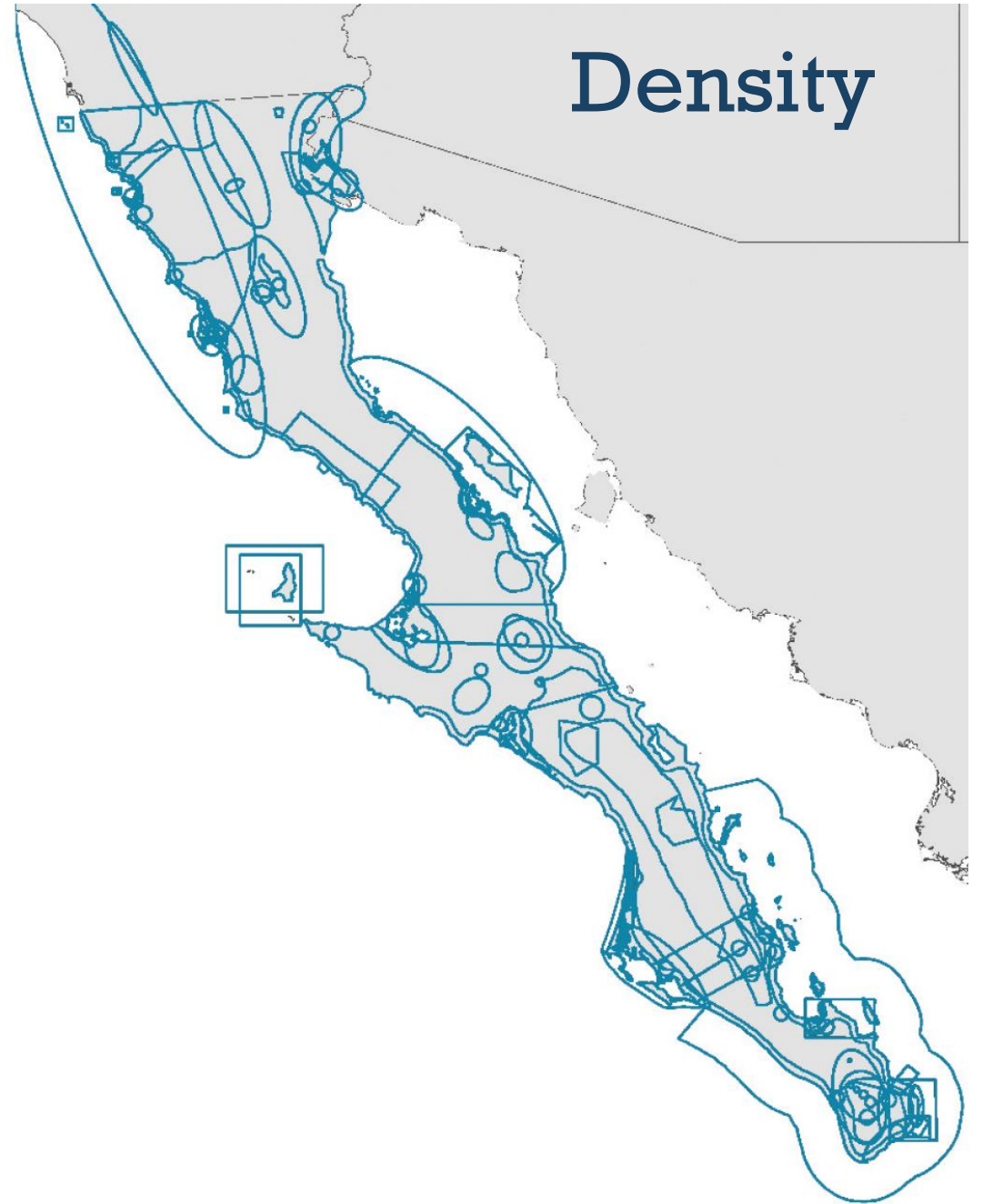
- NGO
- SDNHM
- Universities
- Government
- Private
- Philanthropic



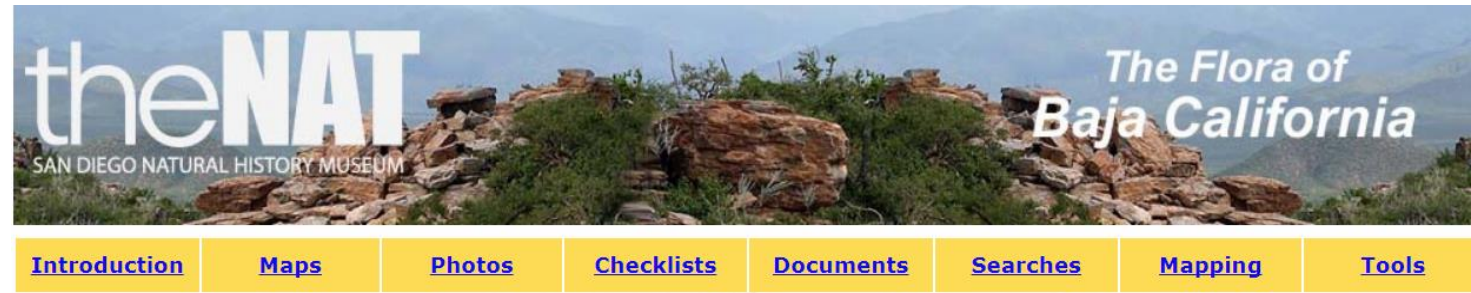
Coverage



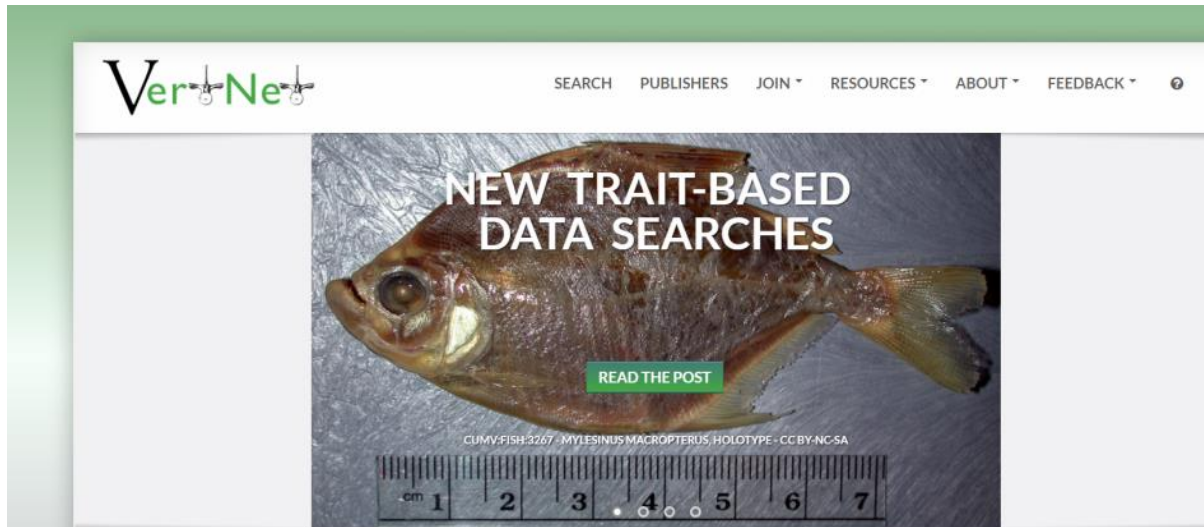
Density



Data Sources









Amphibian and Reptile Atlas OF PENINSULAR CALIFORNIA

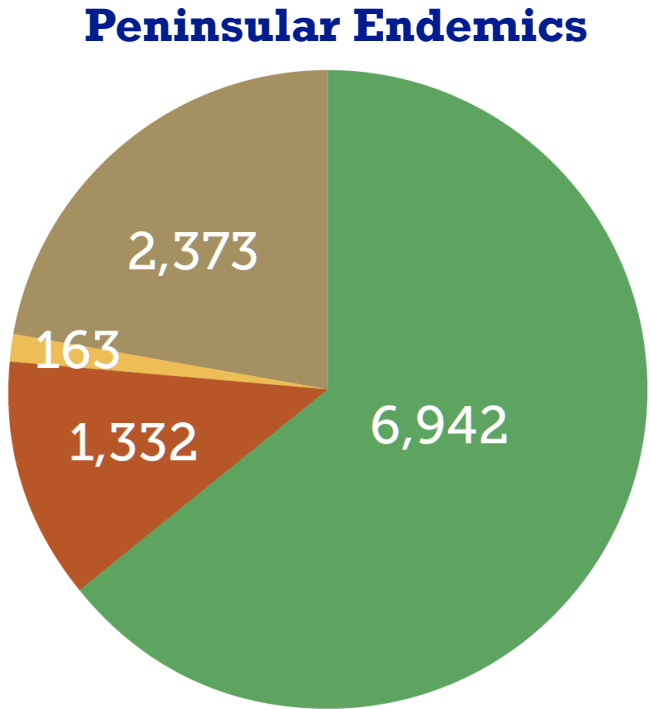
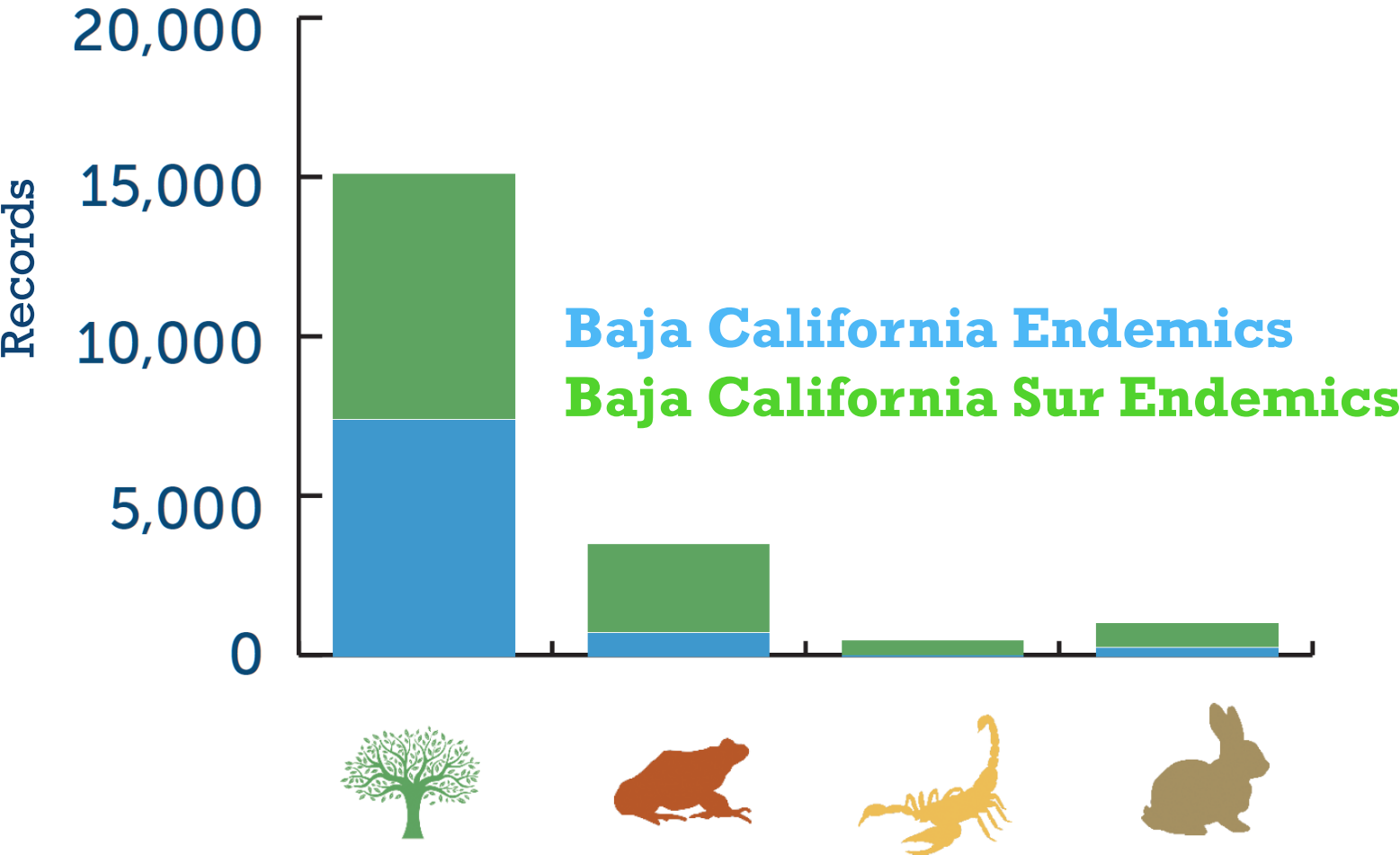
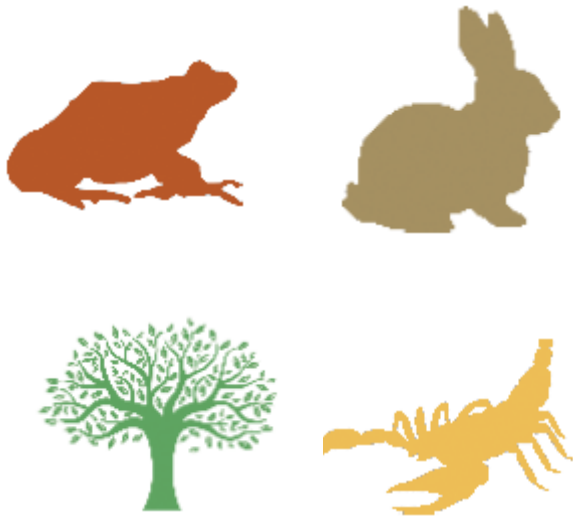


... and additional unpublished research datasets

Data included

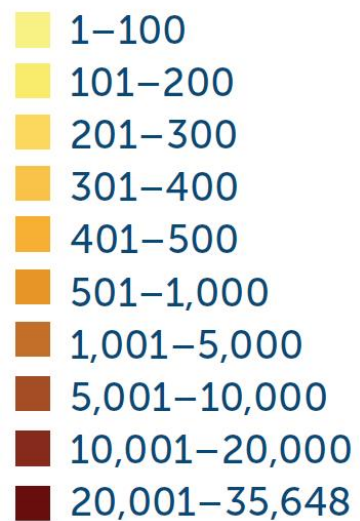
	Taxón / <i>Taxa</i>	Total	Colectas / <i>Collections</i>	Observaciones / <i>Observations</i>
	Plantas / <i>Botany</i>	122,094	117,577	4,517
	Anfibios y reptiles / <i>Herps</i>	24,963	14,962	10,001
	Aves / <i>Birds</i>	462,611	18,673	443,938
	Escorpiones / <i>Scorpions</i>	958	958	14
	Peces / <i>Fish</i>	2,141	2,141	---
	Mamíferos / <i>Mammals</i>	23,193	16,342	2,754
	Totales / <i>Totals</i>	635,960	168,441	461,224

Records by category



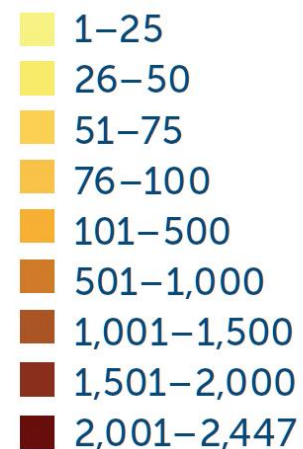
Cobertura del muestreo
Sampling Coverage

Taxones totales combinados
All Taxa Combined




Cobertura del muestreo
Sampling Coverage

Taxones no nativos totales combinados
All Non-Native Taxa Combined




Data and maps publicly available

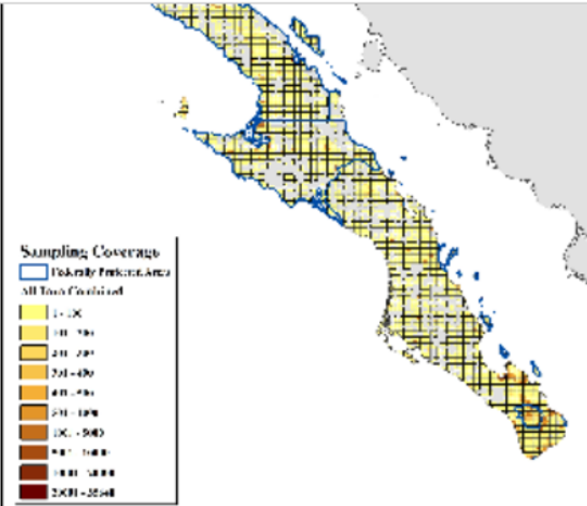


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DATA BASIN | GROUPS | PENINSULAR CALIFORNIA CONSERVATION PRIORITIES

 **Peninsular California Conservation Priorities**
Created by Melissa Stepek

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Welcome to Peninsular California Conservation Priorities.

To work with datasets, maps, galleries, and files in this group, click on the content button in the navigation bar above.

 **Maps** (8 folders)

 **Collecting Effort** (5 items)

 **Historically Documented, No Recent Data** (4 items)

 **NOM Species** (5 items)

 **Native Taxa** (5 items)

 **Non-Native Taxa** (5 items)

 **Number of Taxa** (5 items)

 **Peninsular Endemics** (5 items)

 **State Endemics** (2 items)

 **Fish** (1 folder(s) and 6 item(s))

 **Georeferenced Working Areas** (no content)

 **Mammals** (9 folder(s) and 59 item(s))

 **Reptiles & Amphibians** (9 folder(s) and 33 item(s))

Thank you!

