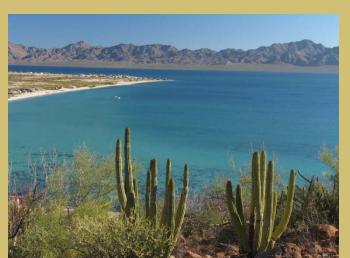
Baja California's Sonoran Desert

Debra Valov ISSI 2024

Objectives





- Define "desert"
 - Explore Baja's desert
 - Learn how plants and animals survive



Central Gulf Coast, BCS



http://infinethumb54.webshets.com/9141/2350366-4901023479755600x600Q85.jpg

What is a Desert?

• Dry

- Low rainfall (P<10")
- High evaporation (E>P)
- Dessicating winds
- Poor soils



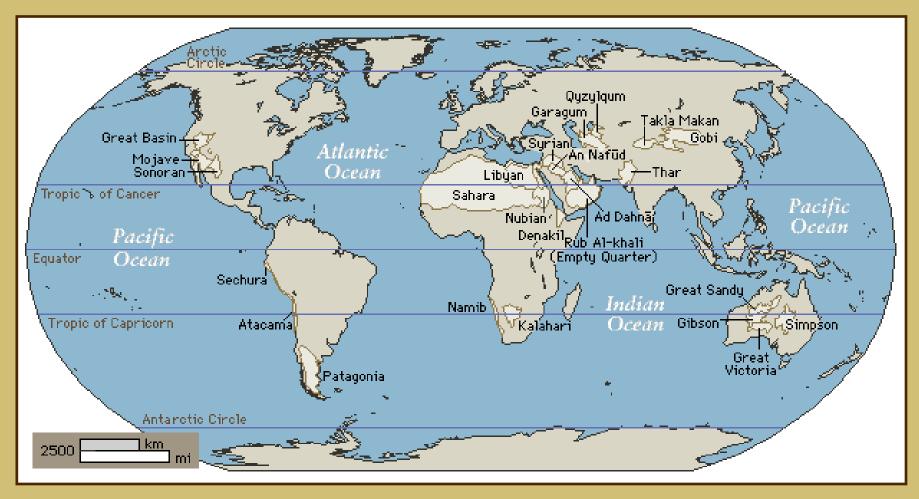
- Hot or cold (below 0° to over 140°)
- Below sea level to more than 8,000 ft

What is a Desert?

A place where water is severely limiting to life most of the time, where the plants and animals are adapted to chronic aridity and the arid conditions are necessary to maintain the community's structure.



Deserts of the World



Source: http://encarta.msn.com/media_461530118/World_Desert_Regions.html

North American Deserts

Ē



Source: www.mbgnet.net/sets/desert/ofworld.htm



The Sonoran Desert

- Binational (5 states)
- ±120, 000 sq. mi.
- 0 to 4500 feet
- <32° to >130°
- 3-15" avg. rainfall



Baja California Sur









Baja California Sur

Central Gulf Coast Baja California Sur

AND I ST. I

Air plants" (Bromeliads)

Pacific Coast Fog Zones







Lichens (fungi & algae symbiosis)

Central Vizcaino Desert, BCS

Vizcaino Desert – Pacific Coast, BCS



Mammals

- Bobcat and mountain lion
- Coyotes and foxes
- Bats and rodents
- Pronghorn antelope
- Bighorn sheep





Reptiles and Amphibians

- Horny toads & lizards
- Snakes
- Frogs & toads (15 spp.)
- Salamanders (3 spp.)









Crawly Things

- Scorpions & spiders
- Beetles & bugs
- Ants, bees & wasps
- Caterpillars











Birds

- Hummingbirds
- Raptors: hawks & owls
- Scavengers
- Perching birds









Annual and Perennial herbs





Ouchy Things

- Many endemics
- Long-lived
- Slow growing
- Succulent



Yikes! That Sun is



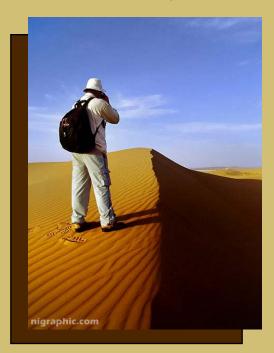
© Jason P Thompson

Avoid this



Do this instead...

...or better yet...





Adaptations

- Coloration
- Water retention
- Heat reduction
- Protective covering
- Hibernation





Adaptations

- Small and deciduous leaves
- Green stems
- Thick trunks
- Reflective hairs
- Sticky glands, wax and sap
- OUCH!! SPINES!









Interdependence

- Pollinator-plant
- Larval food source
- Recycling (knee deep in poop)





Ocean Oasis

- Pyramid of Life
- Desert Life



¡Gracias! ¡Los veo en Baja!

This presentation is available at: www.lasecomujeres.org