

# **Bird of the San Pedro Valley and Rancho Los Fresnos: Identification and Habitat**

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# Outline

## Birds

- Common species by habitat
  - Grasslands
  - Riparian
- Species of conservation interest
- Distributional change
- Threats
- How to identify a bird?



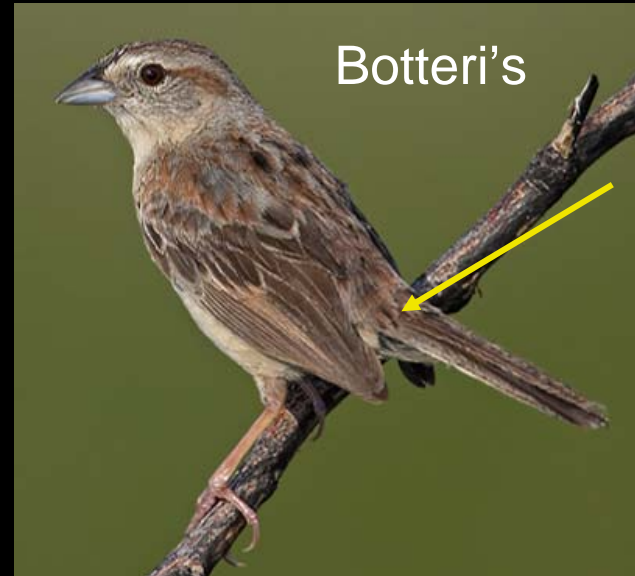
# San Pedro Valley Vegetation

- Grassland and Savannah
- Scrubland
  - Chihuahuan Desert
  - Mesquite-mixed shrub
- Wetlands – Cienega
- Riparian woodland
  - Cottonwood-willow
  - Mesquite
- Oak Woodland and Savannah



# Grasslands I - Breeders

Sparrows, sparrows, and more damn sparrows



# Grasslands II - Breeders

Thank heavens... not just sparrows

Eastern Meadowlark



Horned Lark



Swainson's Hawk



Scaled Quail

# Grasslands III – Winter

Species of global conservation concern



Sprague's Pipit

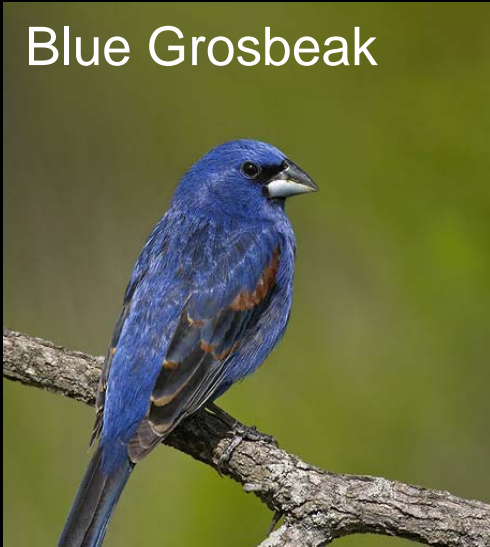


Baird's Sparrow

# Cienega - Breeders

## Summer Birds of Los Fresnos Cienega

Blue Grosbeak



Red-winged Blackbird



Common Yellowthroat



Mearn's Quail



# Riparian Woodland I

Summer

Brown-crested  
Flycatcher



Yellow-billed  
Cuckoo



Vermillion  
Flycatcher



Yellow Warbler



# Riparian Woodland II

Summer

Resident



# Oak Woodland I

## Resident

Arizona Woodpecker



Acorn Woodpecker



Mexican Jay



Hutton's Vireo

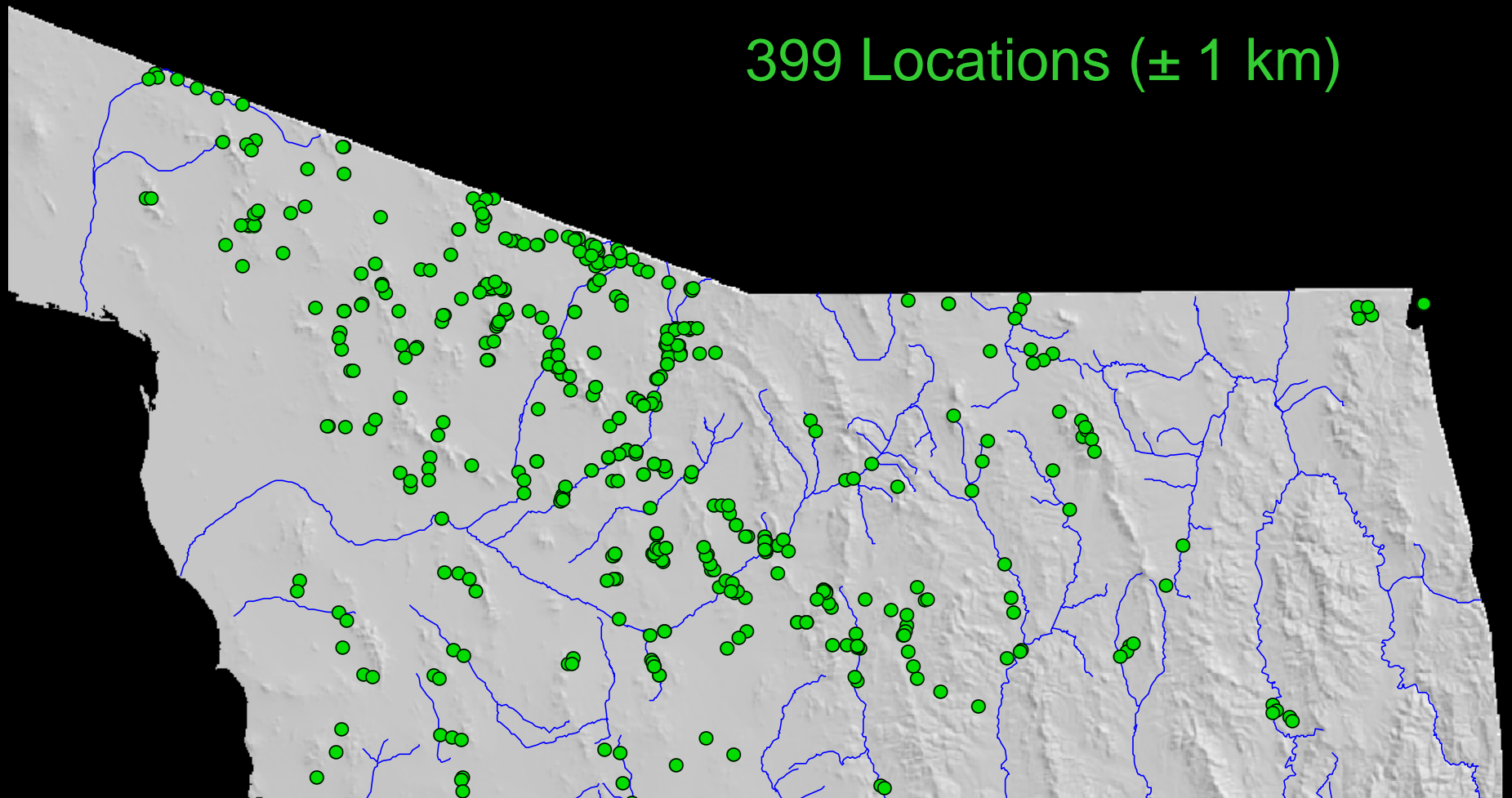


Bridled Titmouse

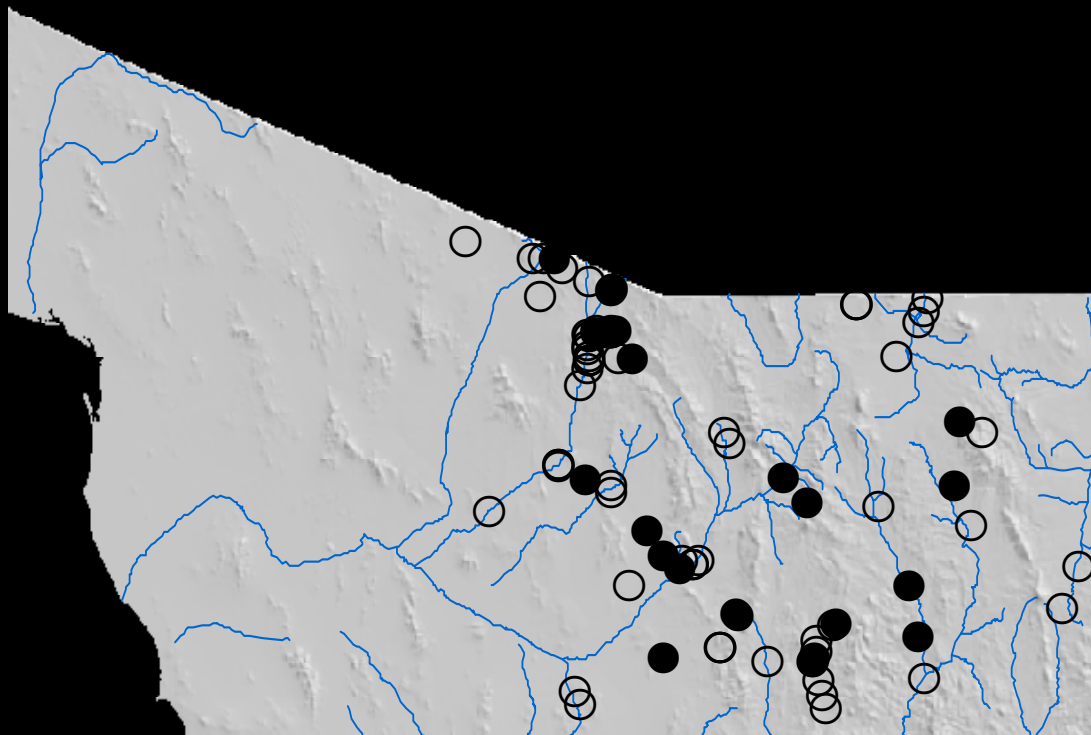
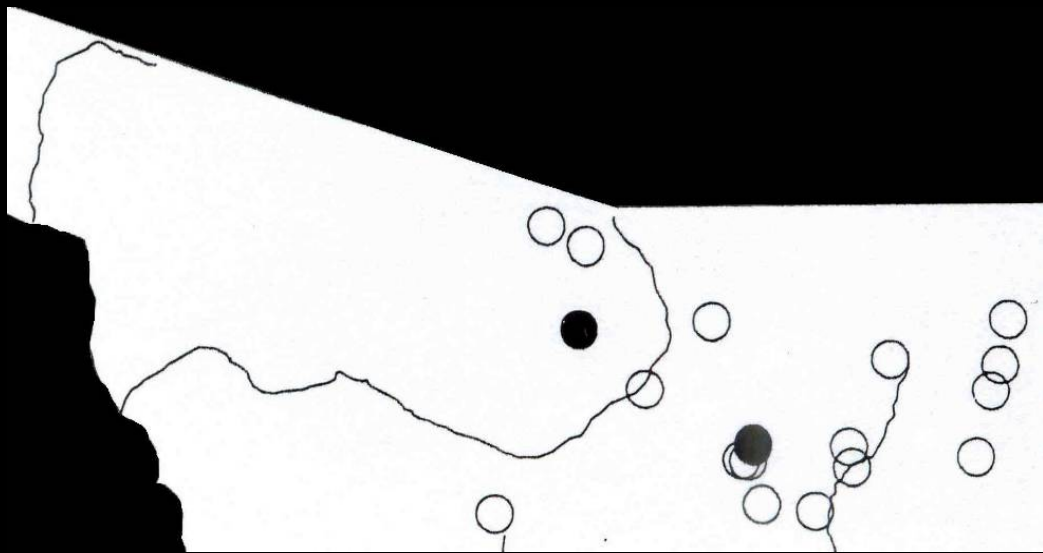


# Northern Sonora Coverage

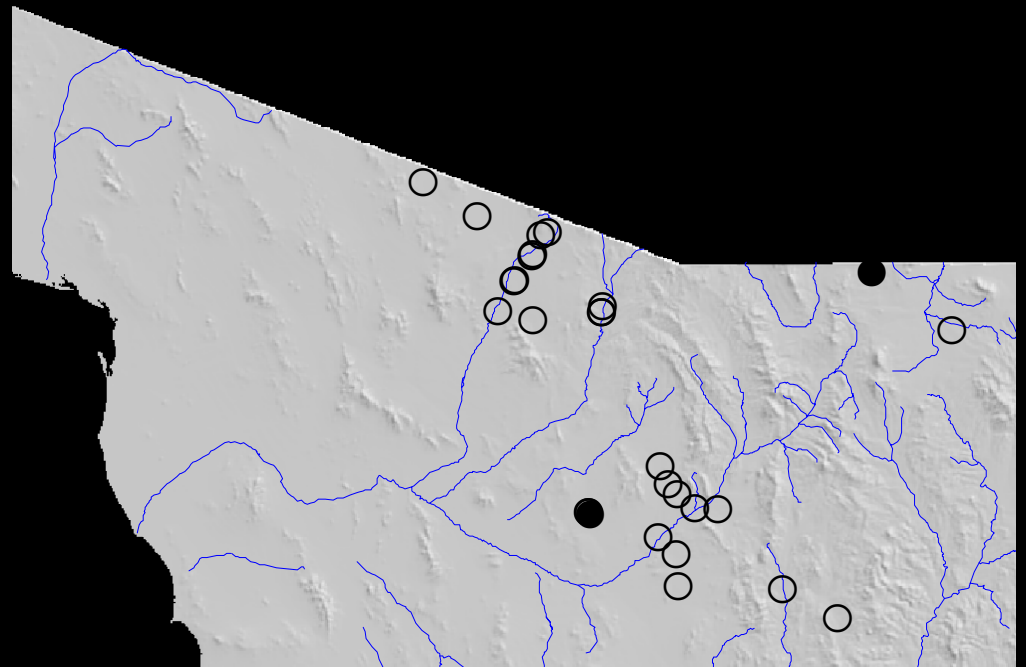
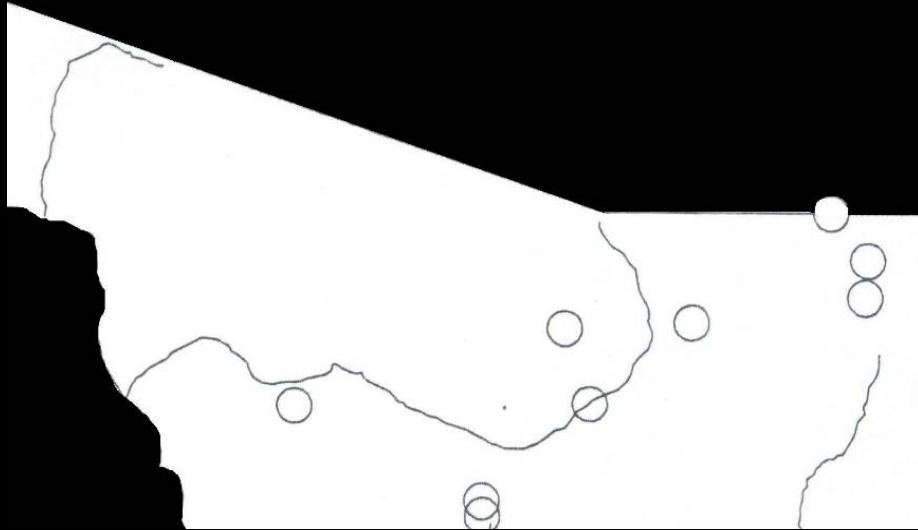
399 Locations ( $\pm 1$  km)



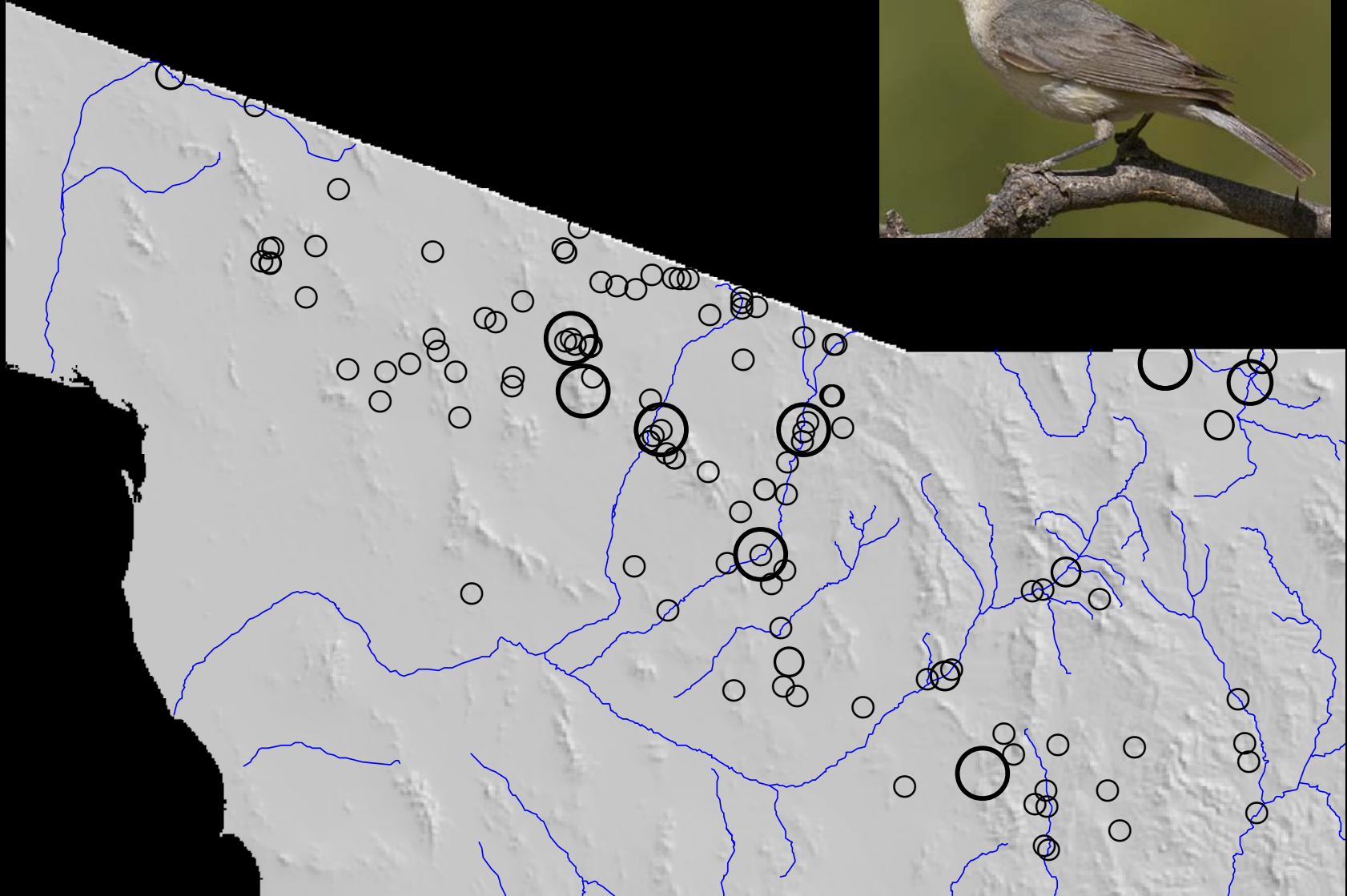
# Gray Hawk (*Asturina nitida*)



# Swainson's Hawk (*Buteo swainsoni*)



# Lucy's Warbler (*Vermivora luciae*)



# Yellow-billed Cuckoo (*Coccyzus americanus*)



# Threats

- Cottonwood regeneration
- Agriculture
- Overgrazing in grasslands
- Groundwater loss
- Insect infestations
- Shrub invasion
- Border wall “security”

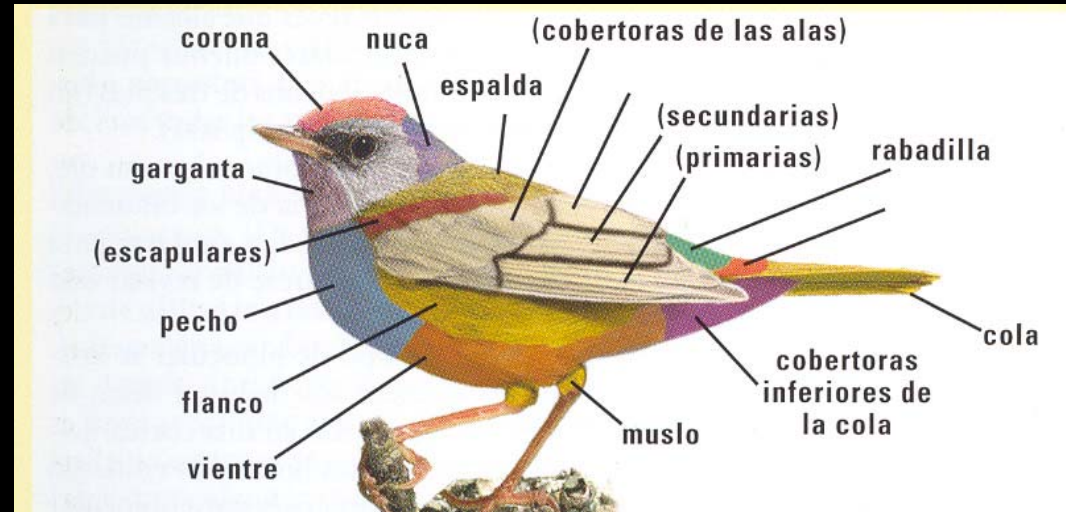
# Bird Identification

With your ears

- Song or call

With your eyes

- Shape - relative proportions
- Size
- Behavior
- Habitat
- Field marks – plumage pattern
- Field marks – plumage color
- Distribution – space
- Distribution - time



# Bird Identification - Challenges

With your ears

- Know the sounds – The only way!

With your eyes (multiple lines of evidence needed)

- Form – solid evidence
- Size – relative to, solo
- Behavior – variable
- Habitat – diverse, general
- Field marks – patterns and color changed by light
- Location – migration, vagrants