

# VA #1 Natural Vegetation Key

## Alpine

1 Alpine Meadow

## Subalpine

2 California Mixed Evergreen

3 Cedar, Hemlock, Douglas Fir, Spruce

4 Lodgepole Pine

5 Mixed Conifer

6 Ponderosa Pine

7 Red Fir

## North Coastal Forest

8 Redwood

## Mediterranean Scrubland

9 Chaparral

## Oak Woodland

10 Oak

## Great Basin

11 Juniper, Pinyon

12 Juniper Steppe

13 Sagebrush

## Central Valley Grassland

14 Annual

15 Mountain

16 Wet

## Mohave Desert and High Desert

17 Desert Shrub

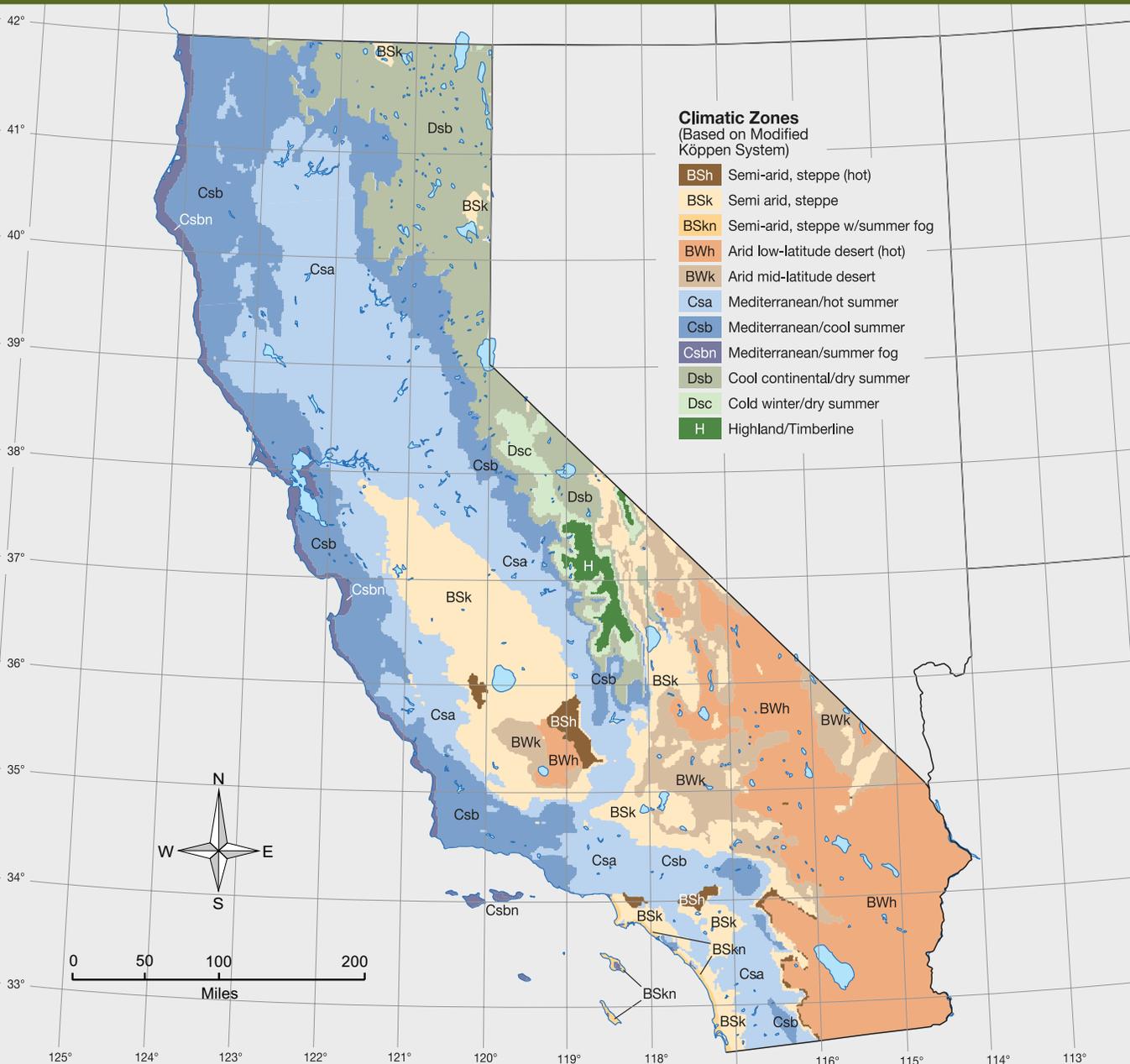
## Colorado Desert and Low Desert

18 Desert Shrub, Sparse Vegetation

## Water

Lakes, Rivers, Streams

# VA #2 California Climatic Zones



# VA #3 California Coastal Salt Marshes



# **VA #4 Biodiversity and Coastal Wetlands**

- 1. What is a coastal wetland?**
- 2. What are some abiotic and biotic characteristics of California's coastal wetlands?**
- 3. What is primary productivity?**
- 4. Why do California's coastal wetlands have high primary productivity?**
- 5. How does primary productivity support species diversity?**
- 6. Why are California's coastal wetlands high in biodiversity?**

# VA #5 Tropical Rainforest

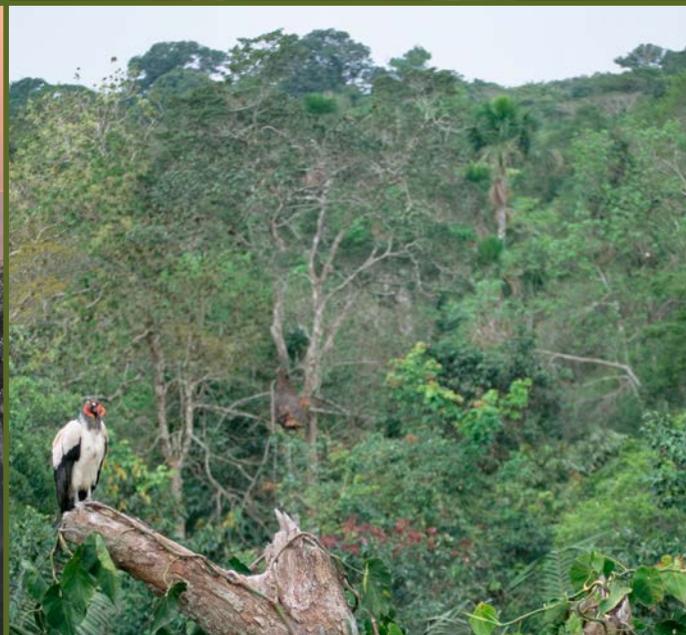




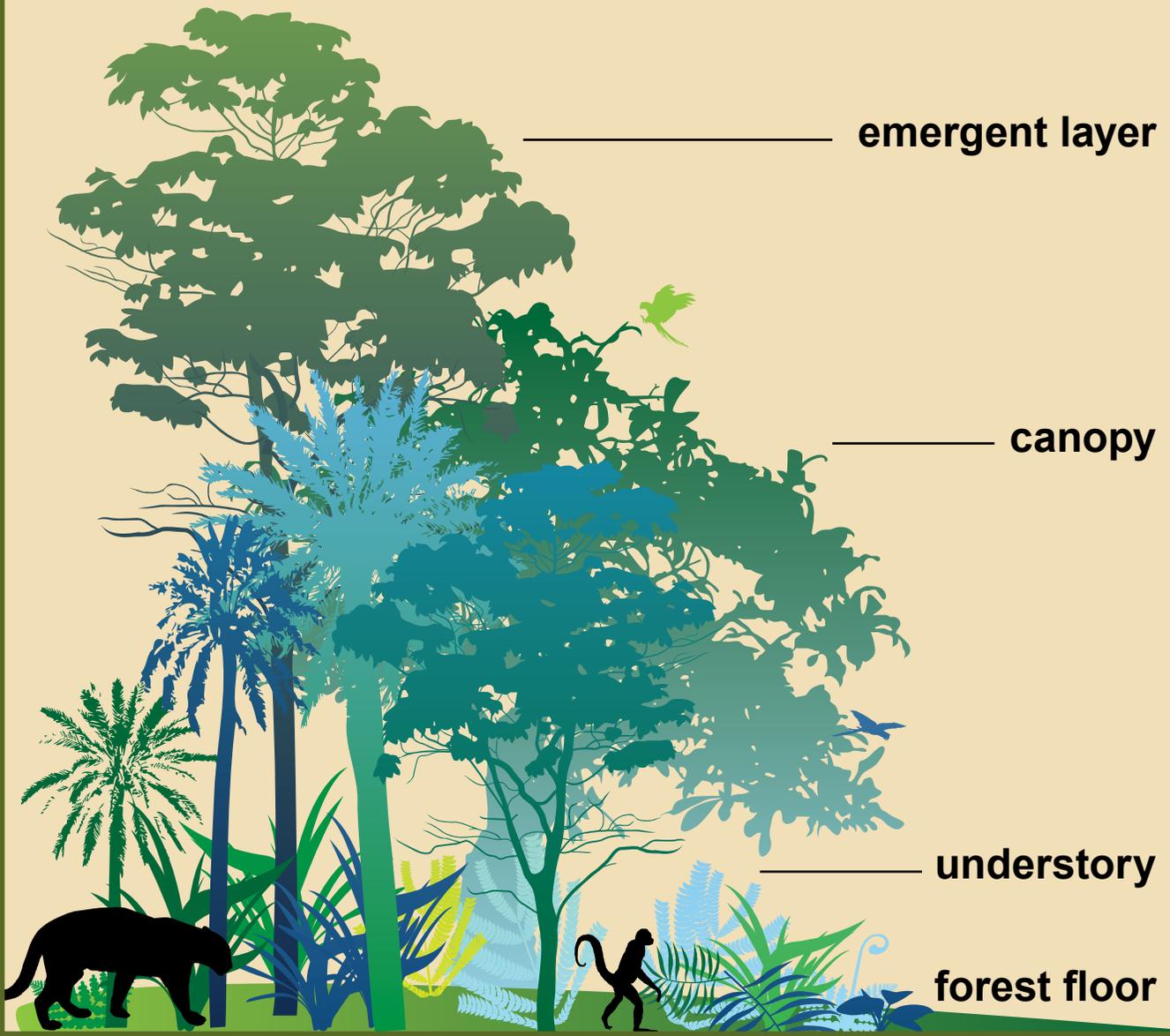
# VA #7 Sonoran Desert



# VA #8 Rainforests



# VA #9 Layers of the Tropical Rainforest



# VA #10 Tank Bromeliad



# VA #11 Events and Practices That Affect Rainforest Ecosystems

Natural Event or Human Practice	Description	Effects on Natural System	Effects on Species Composition	Effects on Local Geographical Extent of Rainforest
Tropical Storm				
Drought				
Farming				
Logging				
Mining				

# VA #12 Capacity to Adjust

<b>Natural Event/ Human Practice</b>	<b>Scope</b> (Local, regional, or national)	<b>Scale</b> Small-scale (tens to hundreds of acres), large- scale (thousands of acres)	<b>Duration</b> Length of time (short-term, ongoing, indefinite)	<b>Byproducts or Effects</b>	<b>Recovery or Capacity to Adjust</b>
<b>Tropical Storm</b>					
<b>Drought</b>					
<b>Farming</b>					
<b>Logging</b>					
<b>Mining</b>					

# VA #13 Kingfishers of Panama

**American Pygmy Kingfisher**  
*Chloroceryle aenea*



**Green Kingfisher**  
*Chloroceryle americana*



**Green-and-rufous Kingfisher**  
*Chloroceryle inda*



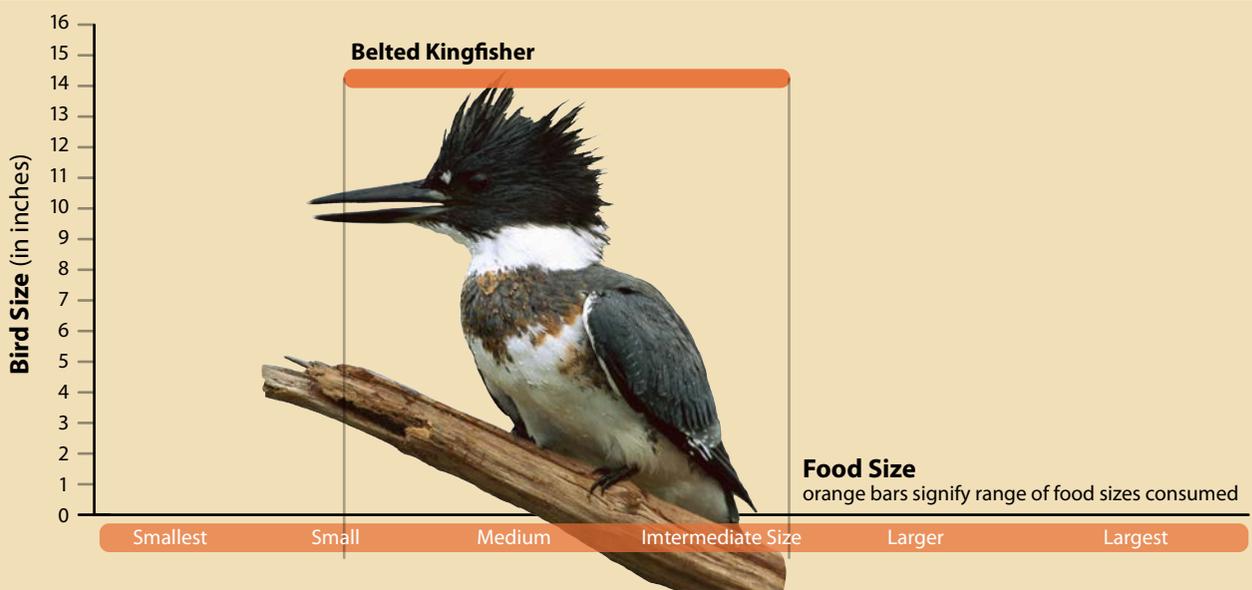
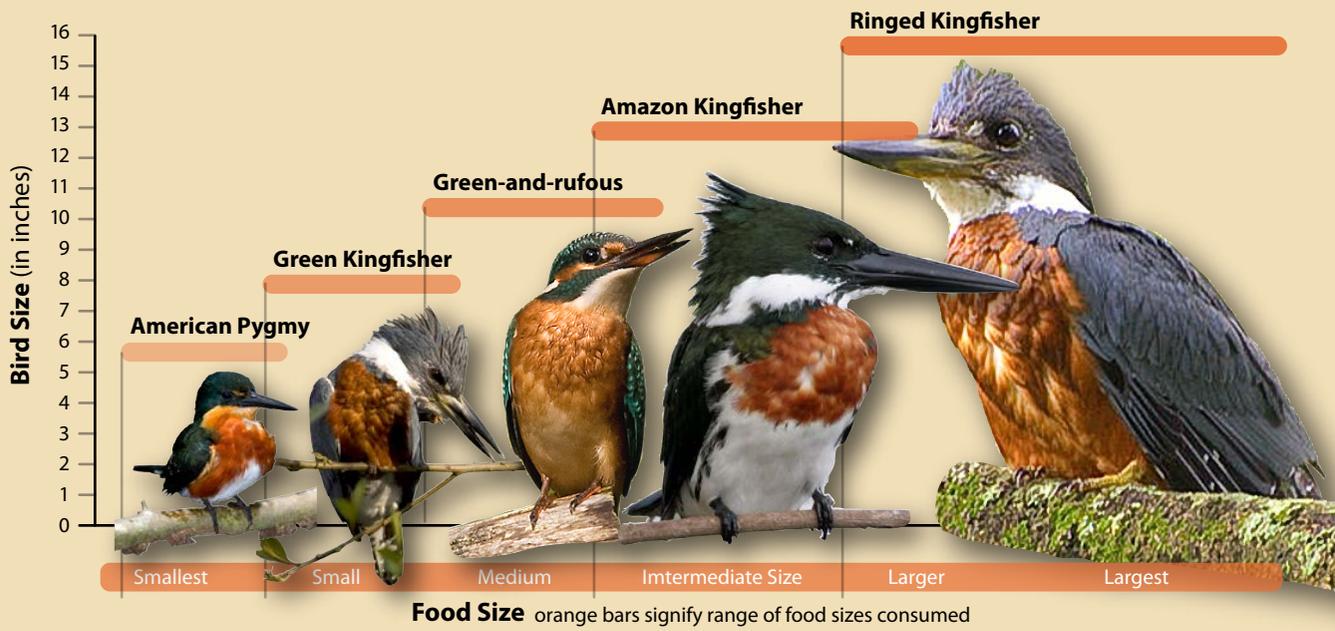
**Amazon Kingfisher**  
*Chloroceryle amazona*



**Ringed Kingfisher**  
*Megaceryle torquata*



# VA #14 Kingfishers' Range of Food Supply Consumed



VA #15 Belted Kingfisher

