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Biology Standard
B.6.a.



Biodiversity: The Keystone to Life on Earth

California Education and the Environment Initiative

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California Environmental Protection Agency
California Natural Resources Agency
California State Board of Education
California Department of Education
Department of Resources Recycling and Recovery (CalRecycle)

Key Partners:

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Office of Education and the Environment

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Lesson 4 How People Influence Biodiversity

None required for this lesson.

Lesson 5 The Implications of Losing Species

None required for this lesson.

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VA #1 Central Coast Bioregion



VA #2 California Bioregions



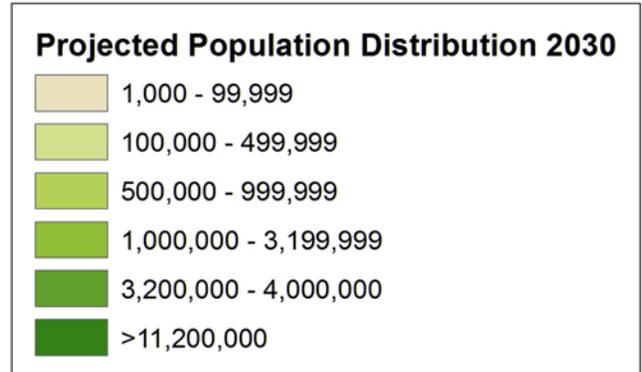
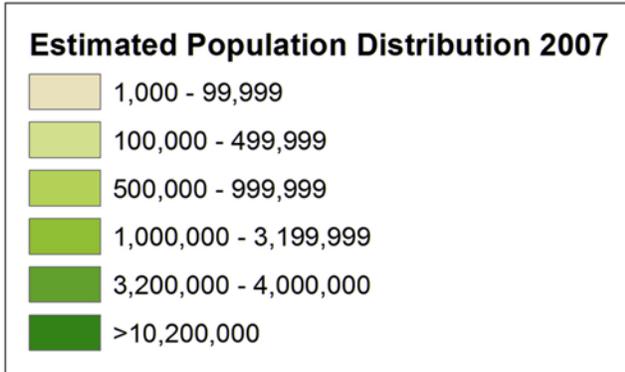
VA #3 Ecosystem Goods or Ecosystem Services: Which Is It?

<p>1. All modern crops are derived from _____ . Wild varieties continue to play a role in human food systems. New crop varieties are bred from the genes of wild plants. These crops are better able to resist pests and diseases. They also are used to breed crops designed to grow in harsh environments.</p>	
<p>2. _____ that can digest motor oil are used to clean up oil spills in the ocean. Other types of microbes are used to help clean soils that have been contaminated with toxic chemicals.</p>	
<p>3. Many species of birds eat _____ that harm crops. Insects, such as ladybugs and dragonflies, also eat insect pests. These natural pest controls improve harvests and save money for farmers, gardeners, and forest owners.</p>	
<p>4. What do _____ have in common? They are fibers used in our clothes. And they all come from natural sources. Cotton fibers come from the seedpods of cotton plants. Wool is the fur of animals, such as sheep and goats. Silk fibers come from the cocoons of silkworm larvae. Linen is made using long fibers from the stalks of a plant called flax.</p>	

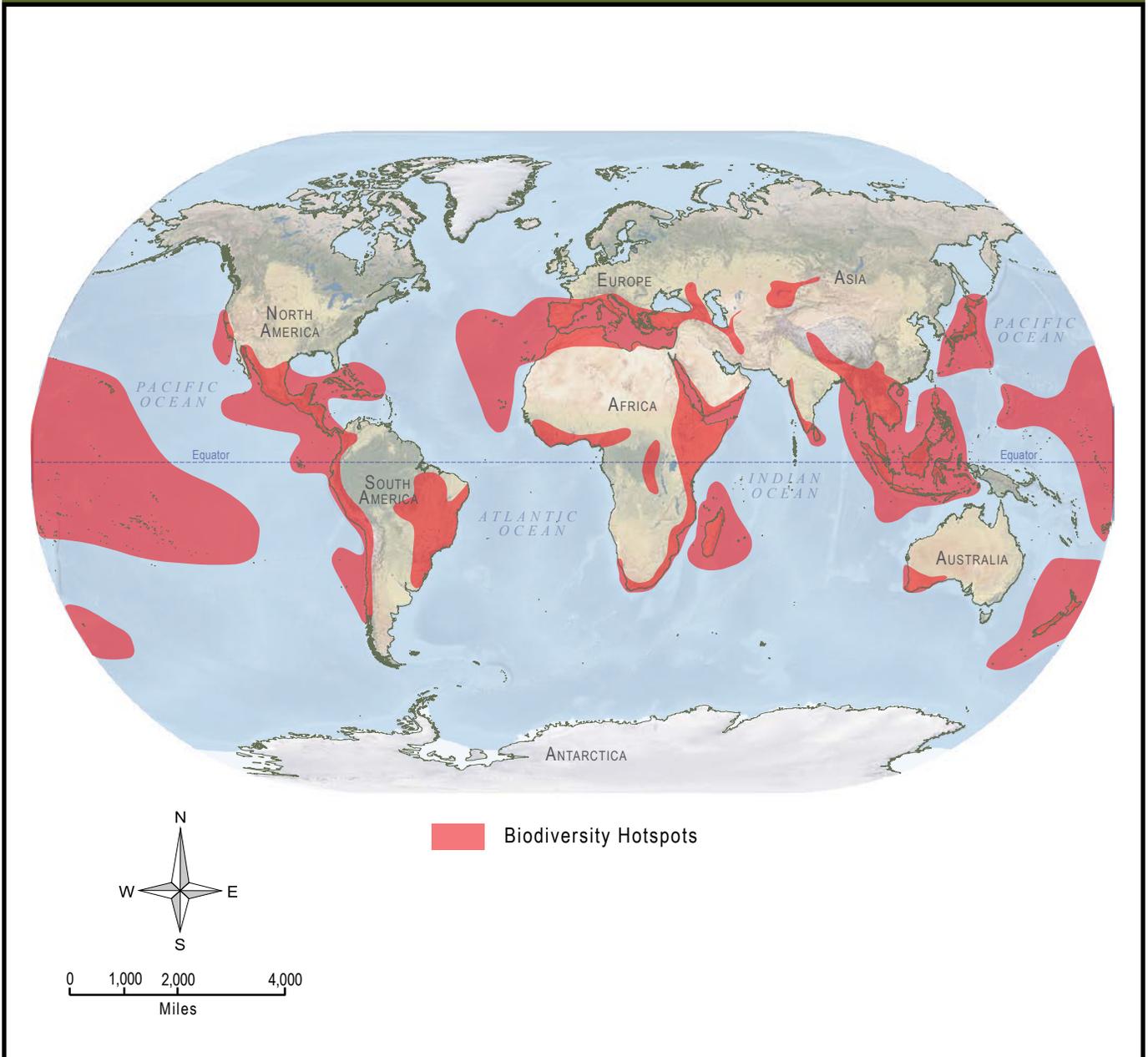
VA #4 Habitat Change: Mount St. Helens, Washington



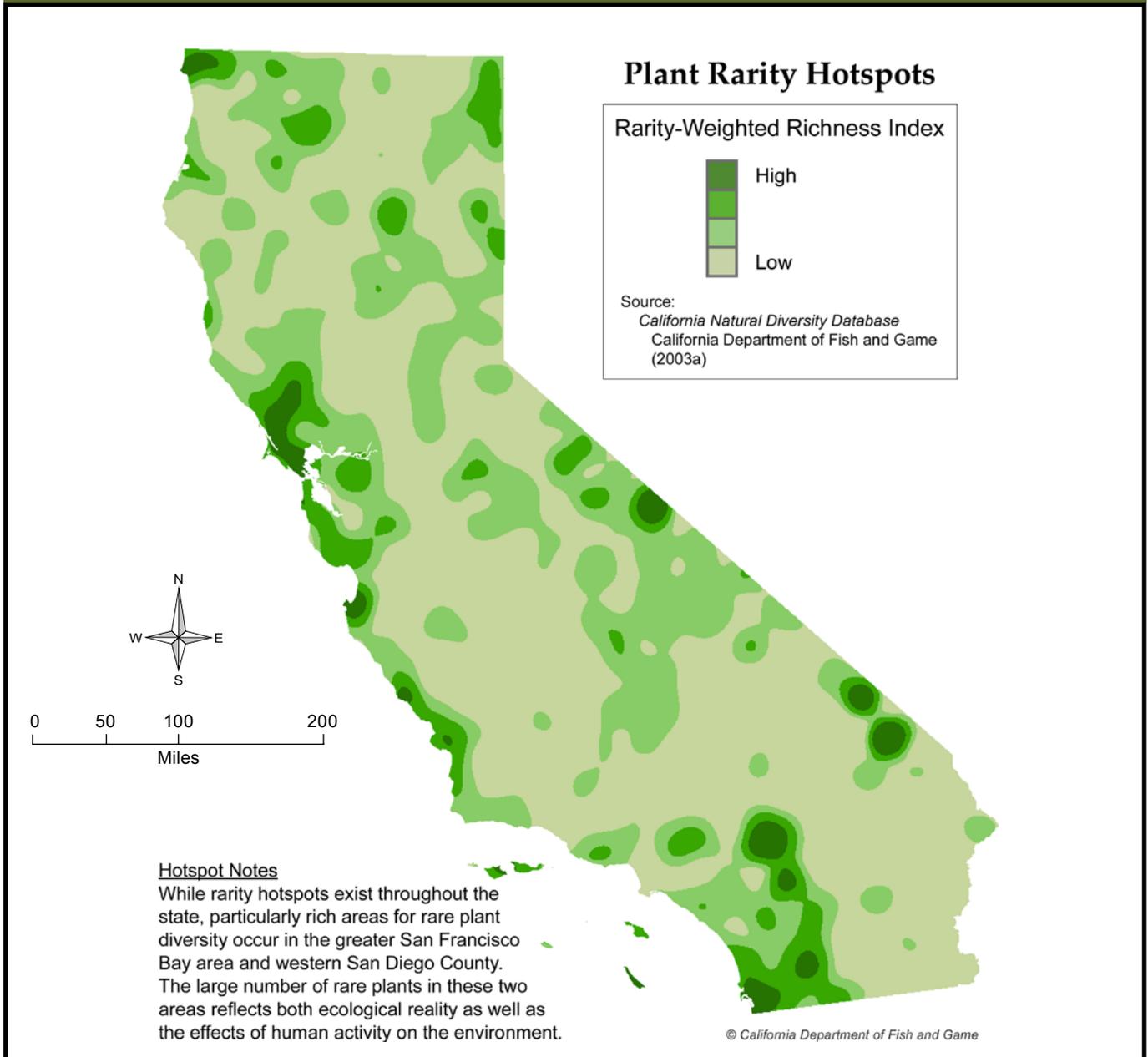
VA #5 California Human Population Density



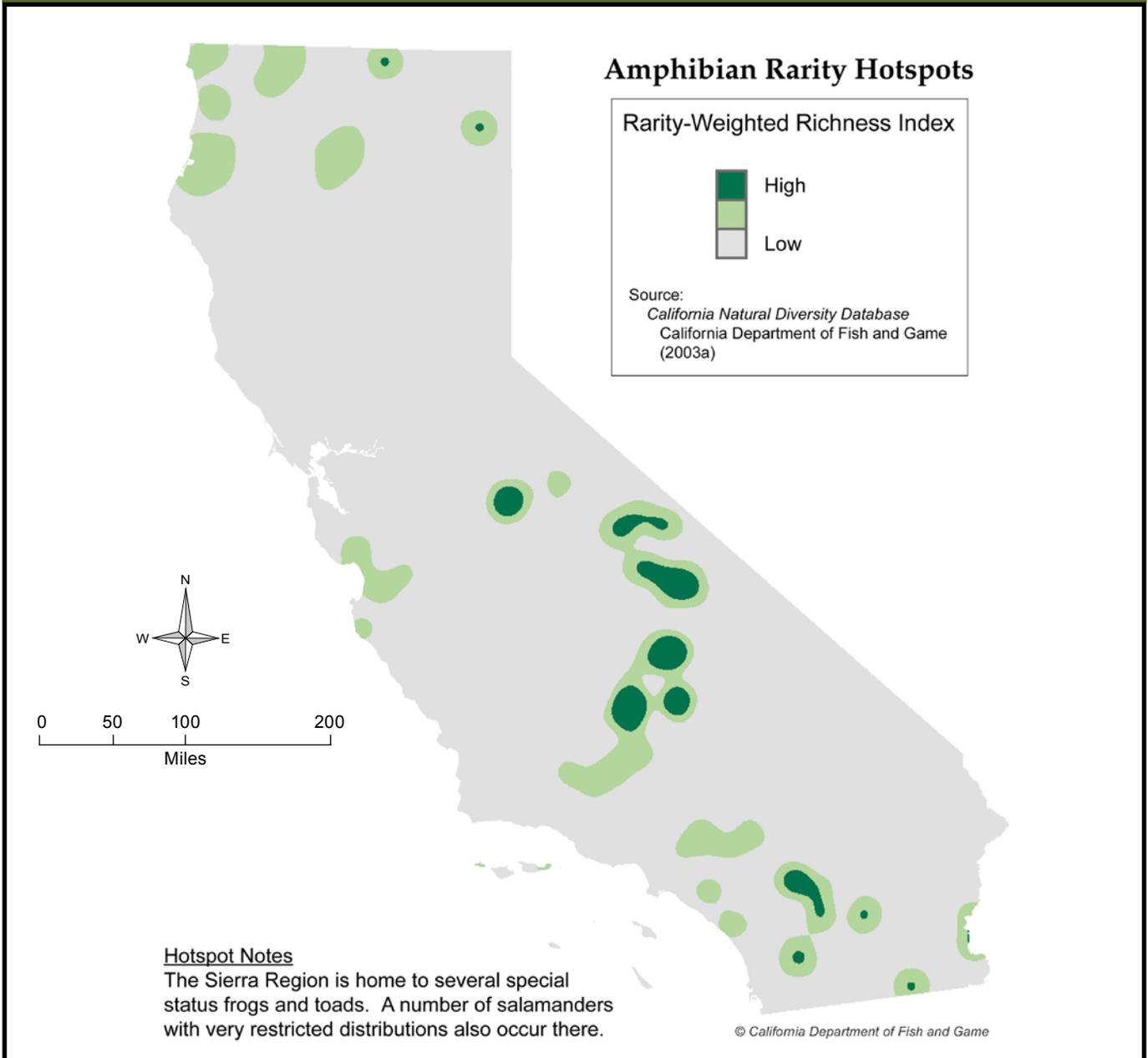
VA #6 Biodiversity Hotspots



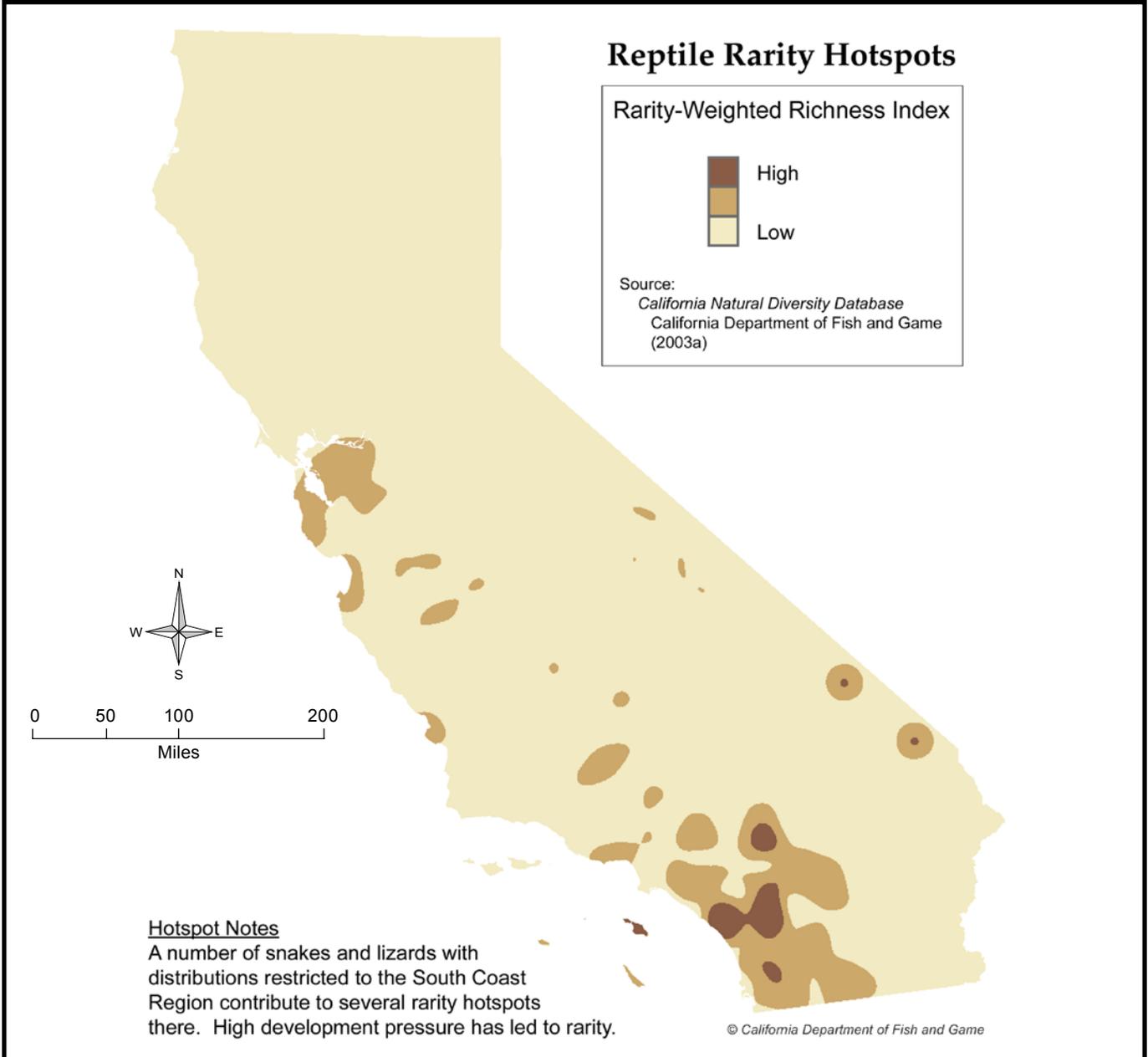
VA #7 Plant Rarity Hotspots



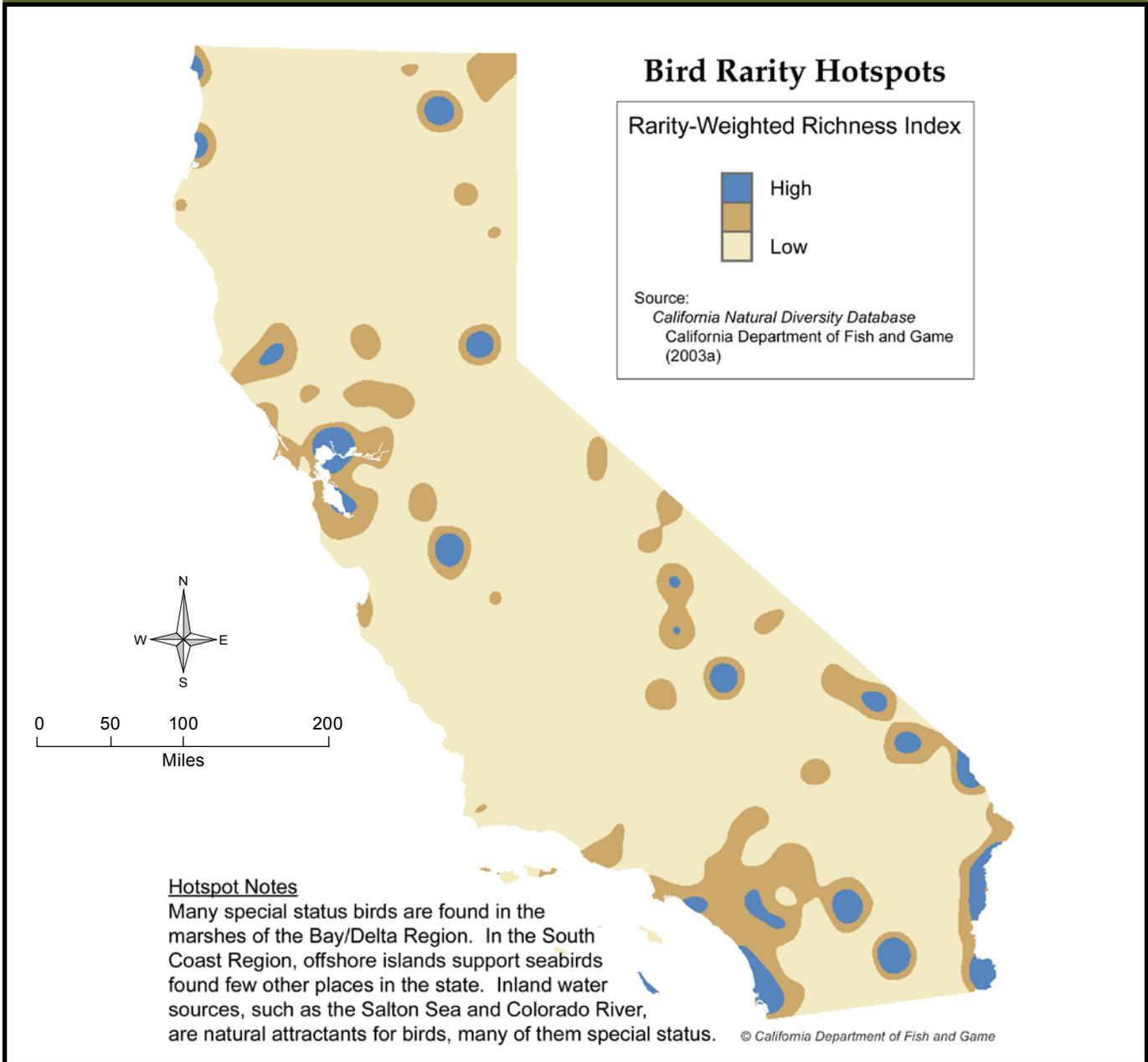
VA #8 Amphibian Rarity Hotspots



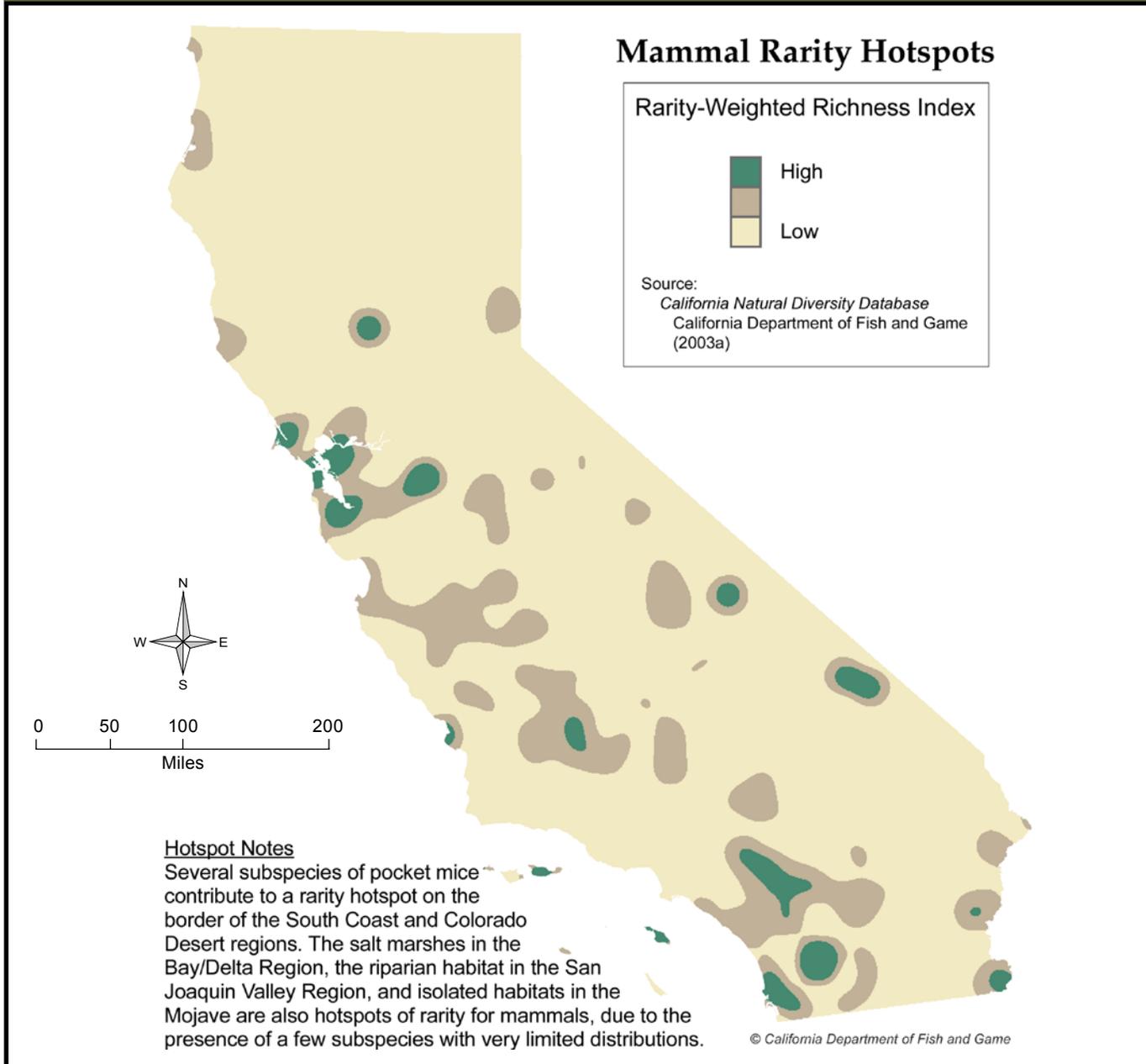
VA #9 Reptile Rarity Hotspots



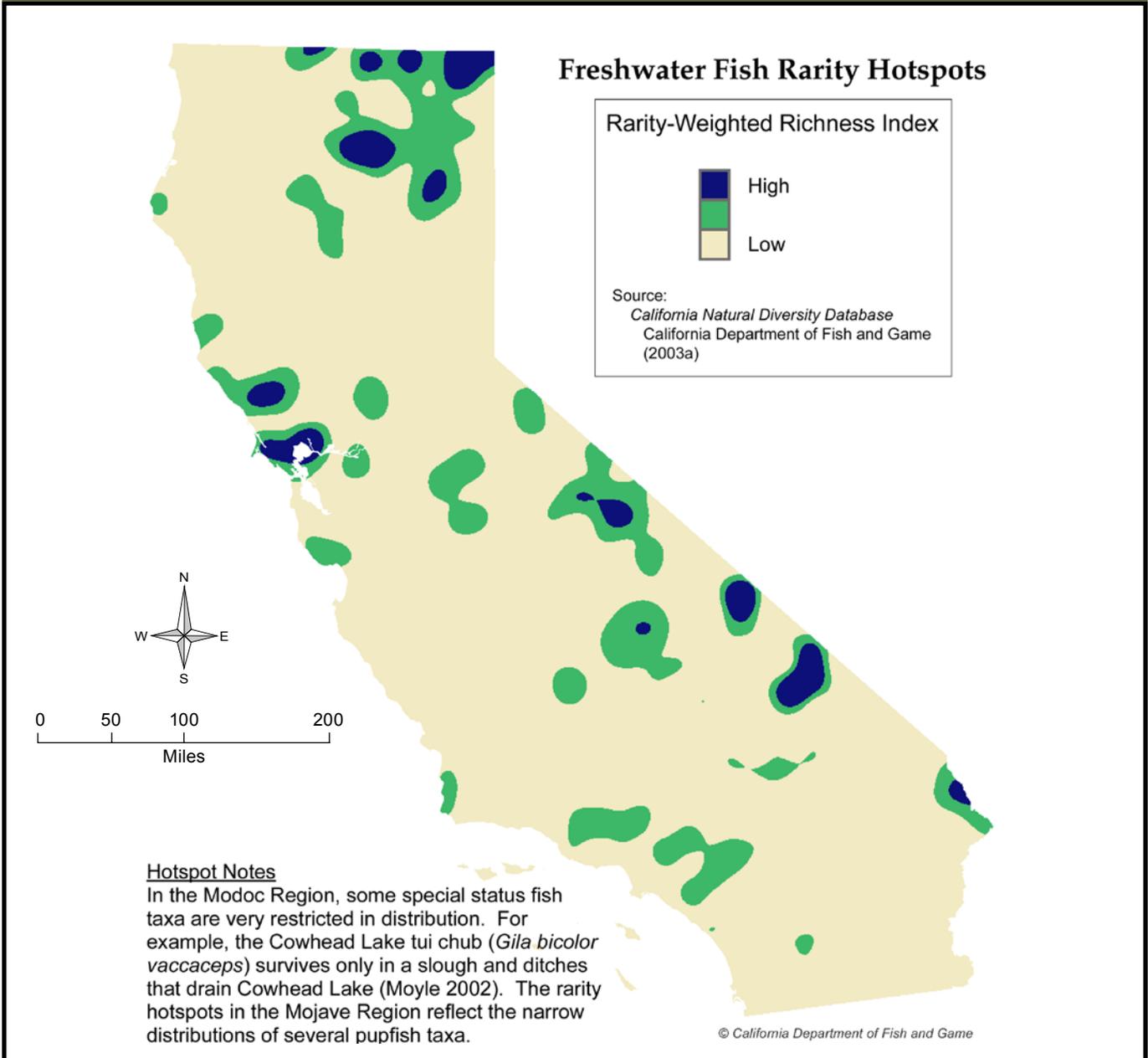
VA #10 Bird Rarity Hotspots



VA #11 Mammal Rarity Hotspots



VA #12 Freshwater Fish Rarity Hotspots





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