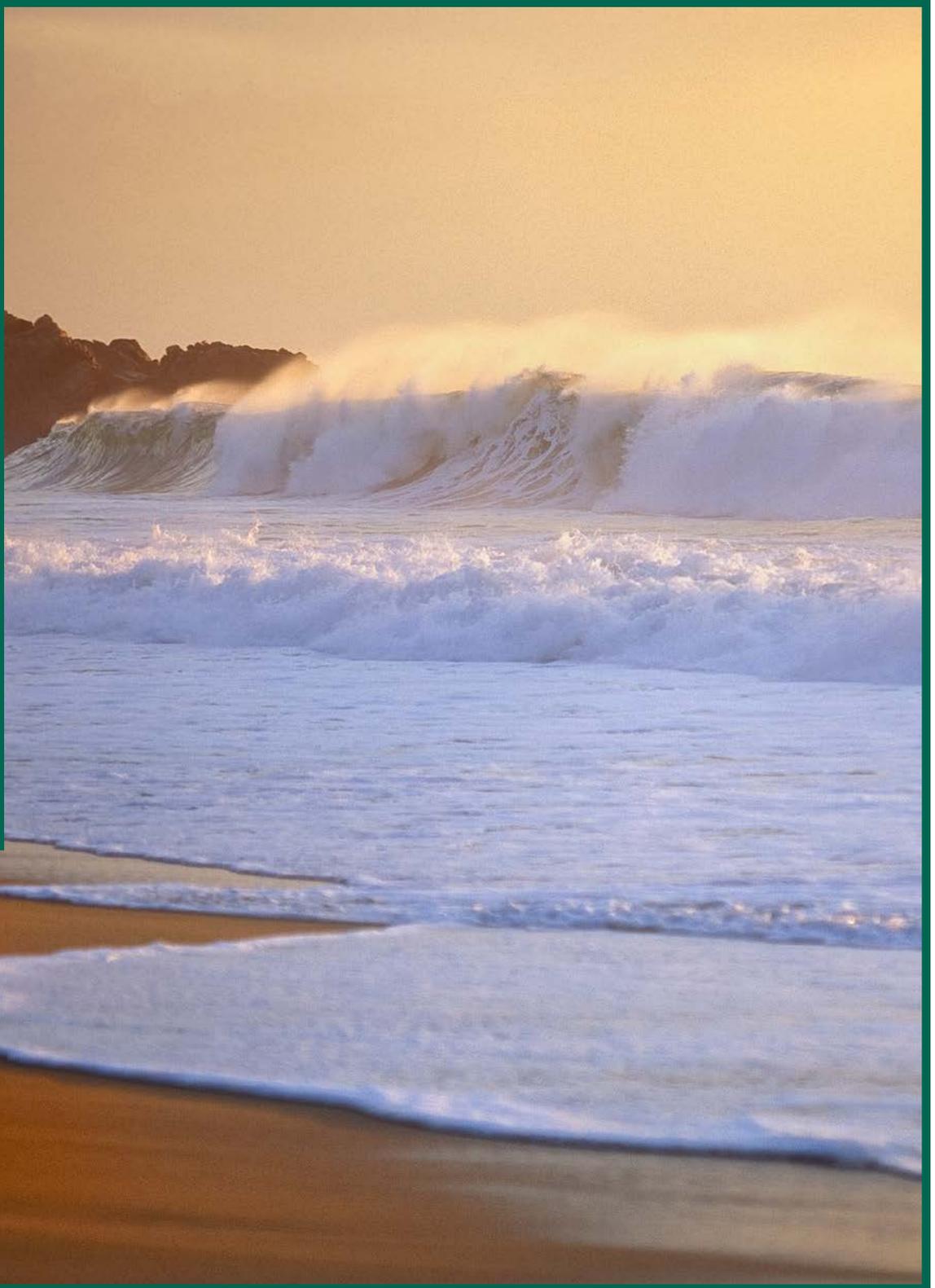


5

Science Standard
5.3.a.



Earth's Water

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Initiative Curriculum is a cooperative endeavor of the following entities:

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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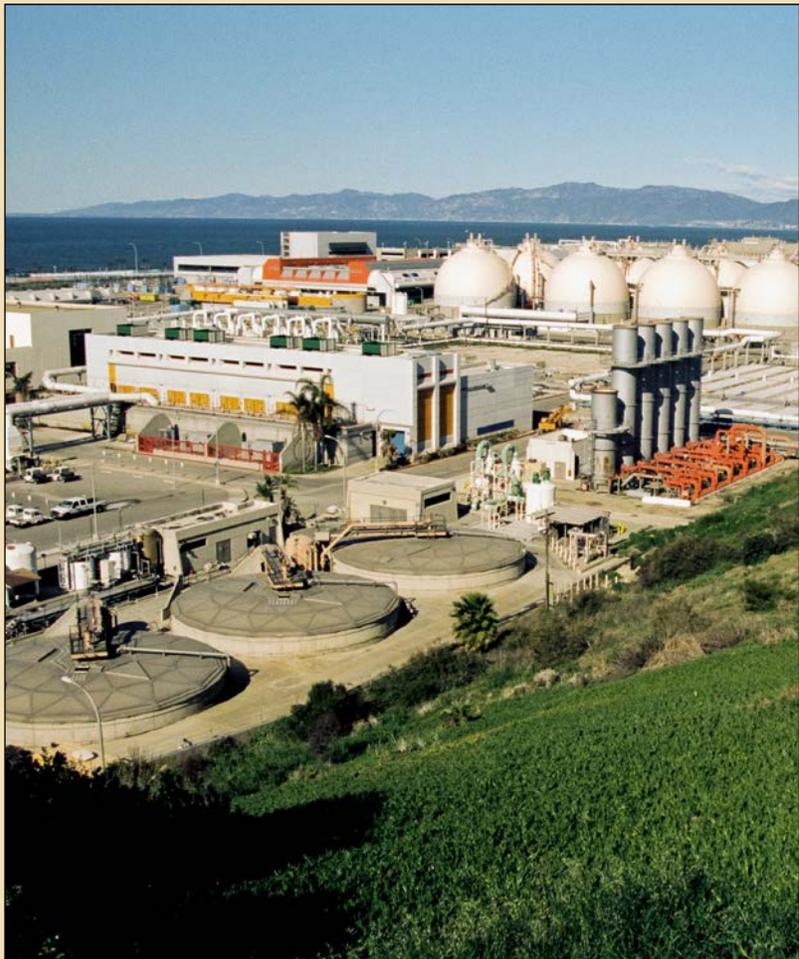
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VA #1 Water to Grow a City

This is a story about a mystery city in California.
Listen carefully for the resources the city needed so
it could grow.



VA #2 It Started with a *Pueblo*

VA #3 A Little River Runs Free



VA #4 Coming Up with a Plan



VA #5 New Uses for the River



VA #6 Farming Requires More Water



VA #7 Strategies to Move and Clean Water



VA #8 Moving Water from the Sierra Nevada



VA #9 Water Demand Increases after World War II

VA #10 California State Water Project



VA #11 Sewage Treatment: A Solution



VA #12 The “Never Ending” Story



VA #13 Sources of Earth's Water: Oceans



VA #14 Sources of Earth's Water: Glaciers



VA #15 Sources of Earth's Water: Snow



VA #16 Sources of Earth's Water: Rivers



VA #17 Sources of Earth's Water: Lakes

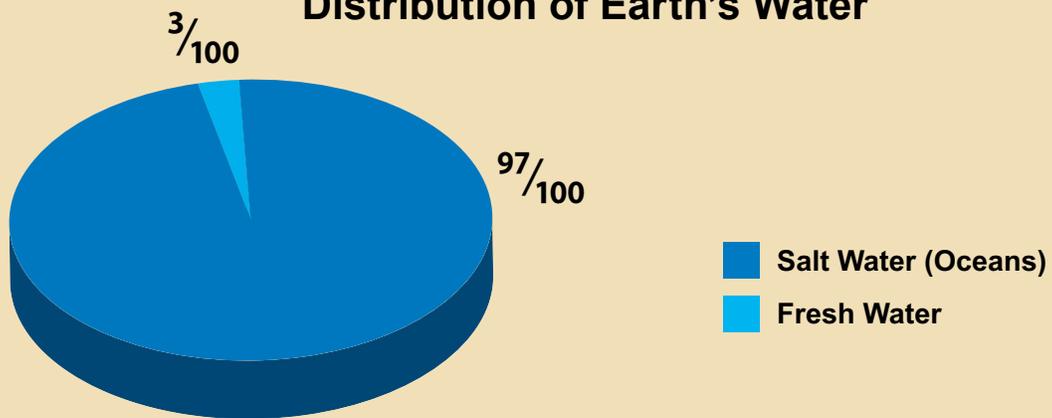


VA #18 Sources of Earth's Water: Streams

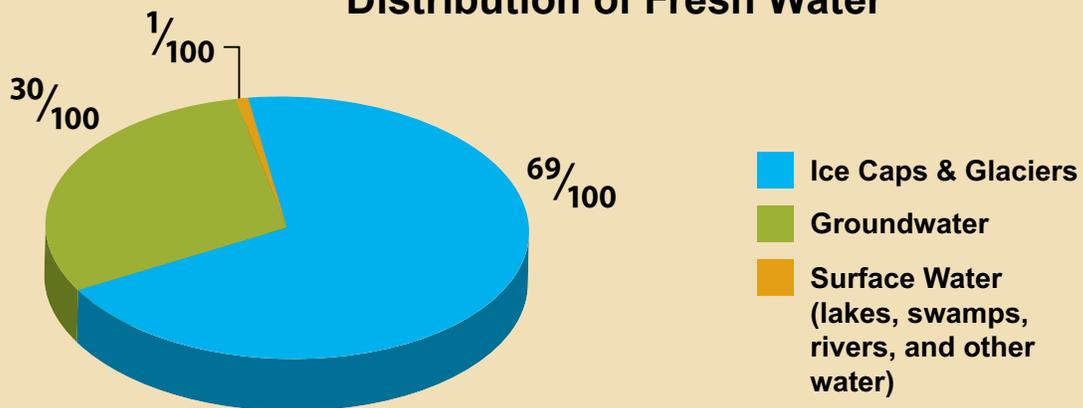


VA #19 Where's the Water?

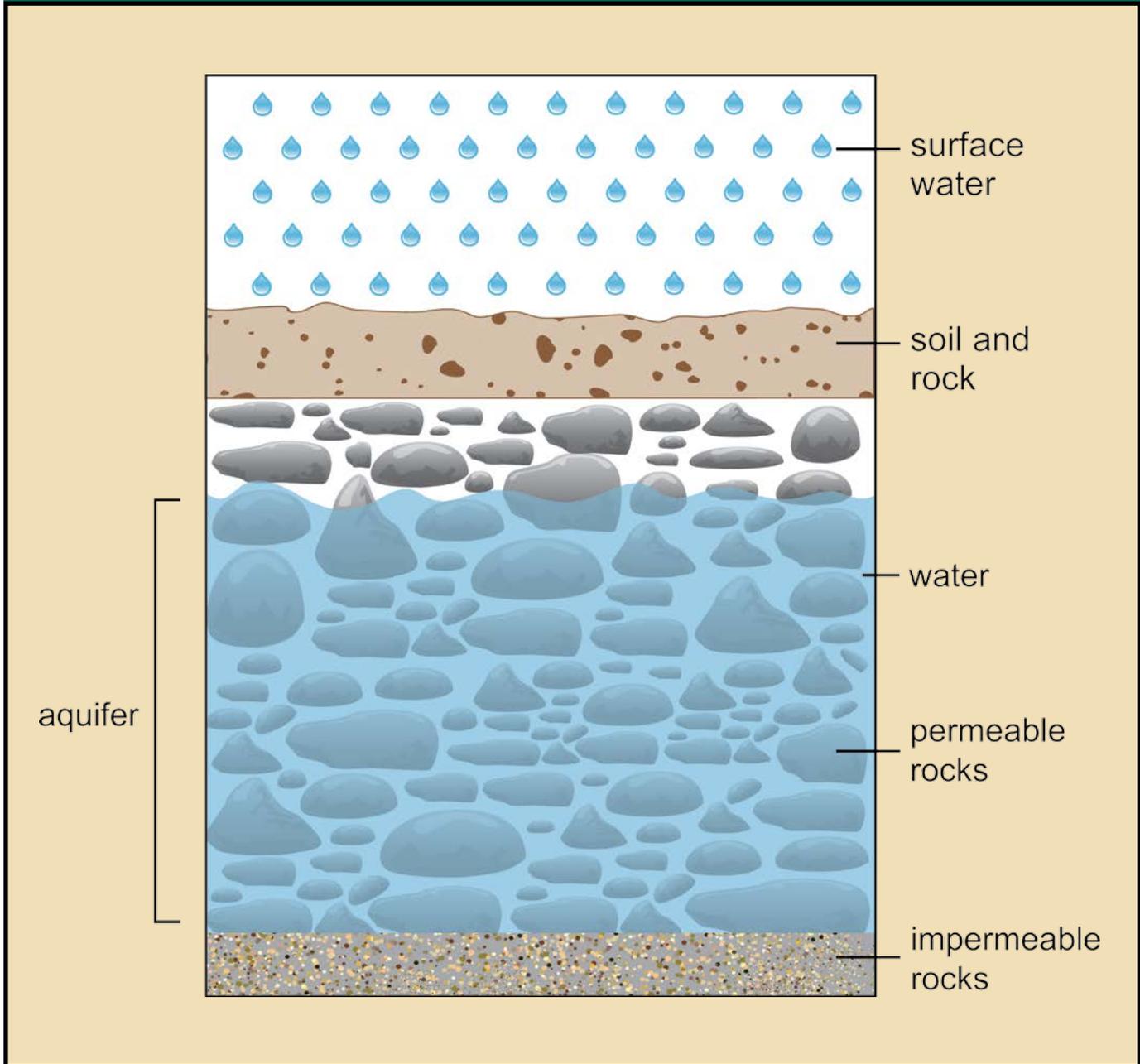
Distribution of Earth's Water



Distribution of Fresh Water



VA #20 An Aquifer



VA #21 California's Groundwater



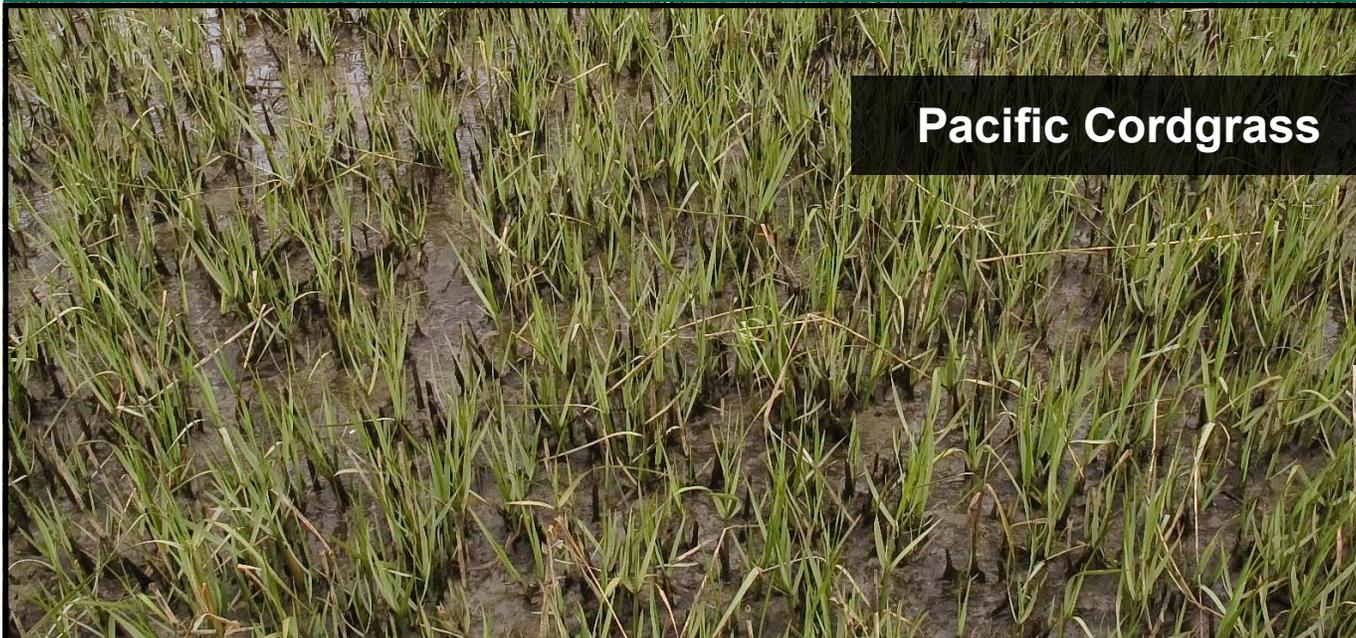
VA #22 Aerial View of a Watershed



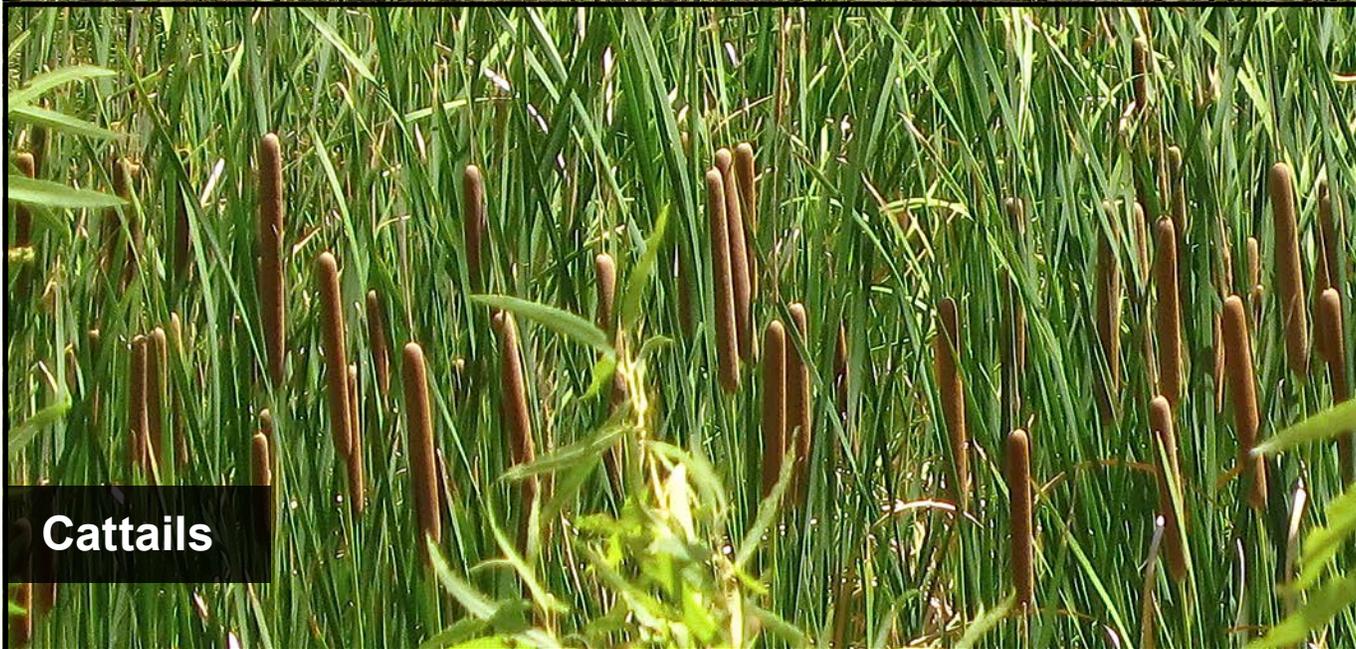
VA #23 Estuary Habitat



VA #24 Estuary Plants



Pacific Cordgrass



Cattails

VA #25 Estuary Animals 1



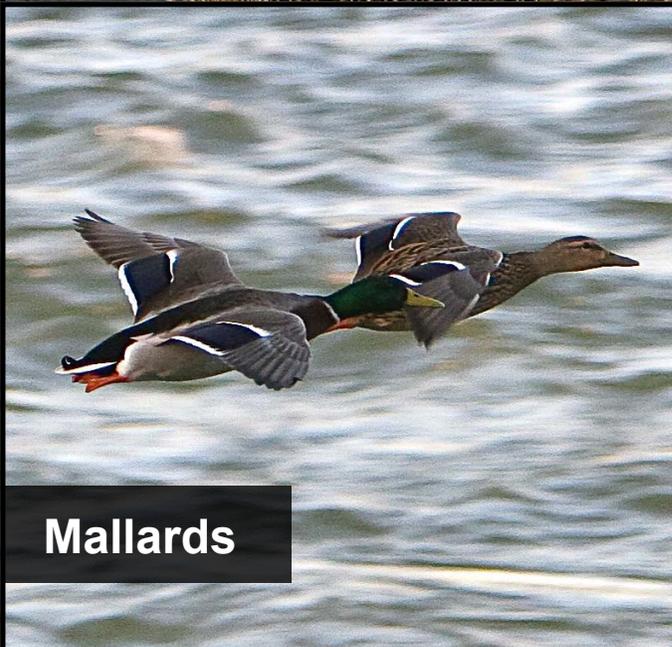
Muskrat



Snowy Egret



Marsh Wren

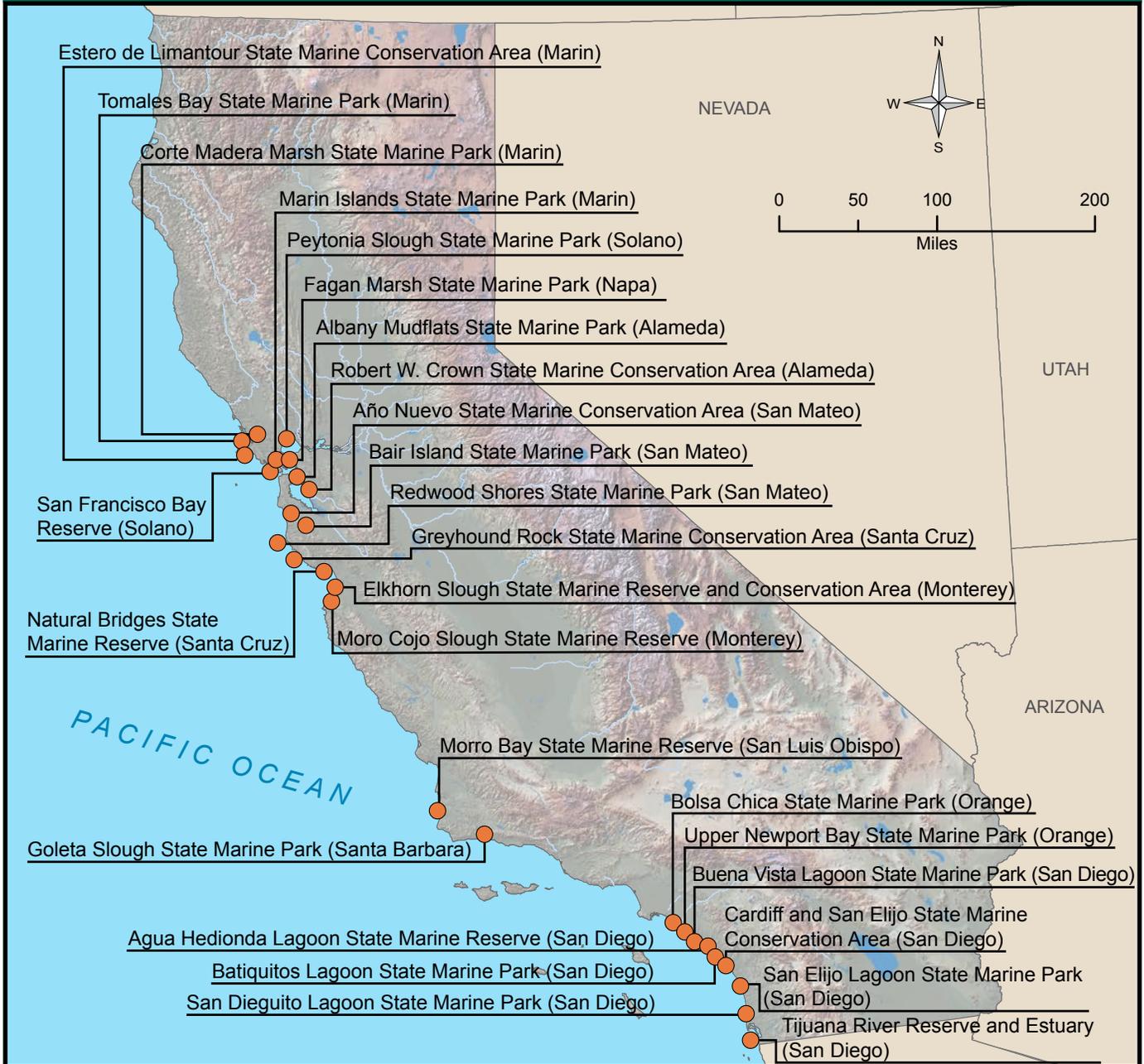


Mallards

VA #26 Estuary Animals 2

**River Otter****Salt Marsh Harvest Mouse****Starry Flounder****Killifish**

VA #27 California's Coastal Estuaries



VA #28 Managing California's Water

This presentation introduces the importance of water in California, how it is used, collected, managed, and treated.



VA #29 Uses of Water



Californians need water for drinking, farming, and many other uses.

VA #30 Channels and Levees



Channels and levees are used to control flooding.

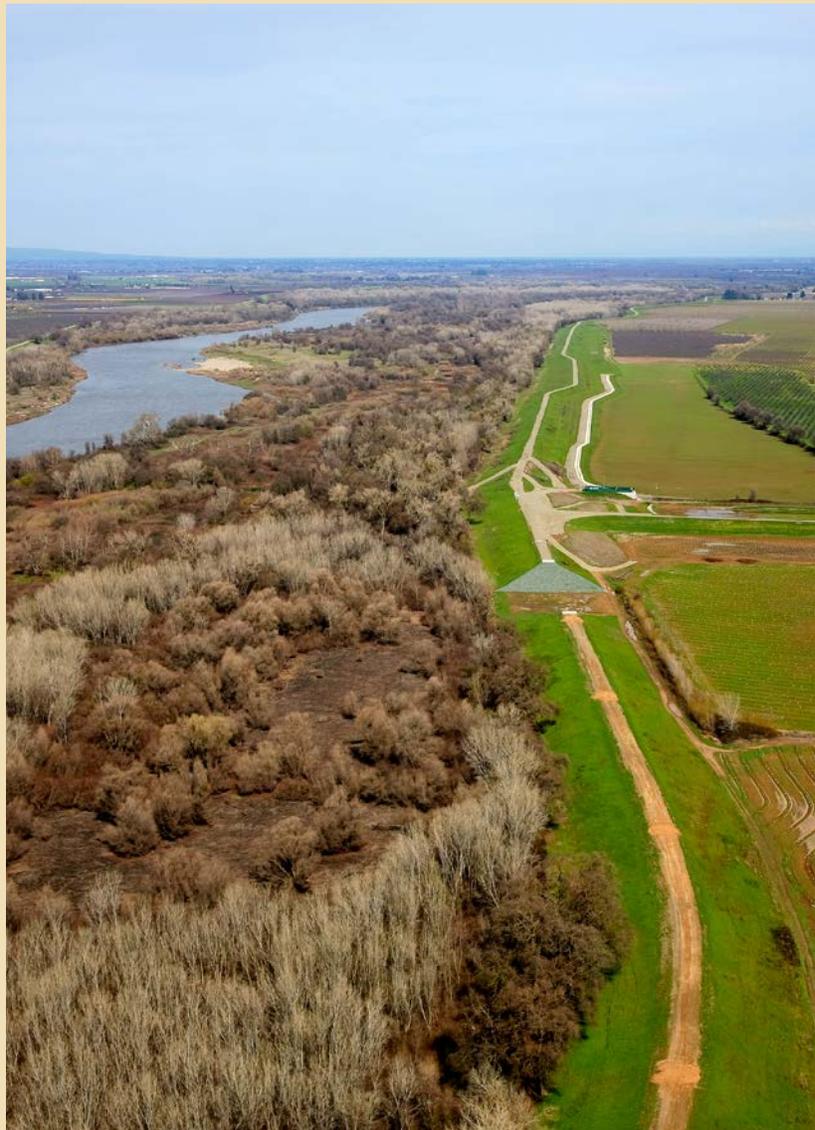
VA #31 Levees



Levees are built on river banks to control flooding.

VA #32 Setback Levees

Setback levees are built back from the channel.



VA #33 Dams and Reservoirs



Dams and reservoirs are used to store water.

VA #34 Dams



Dams are built to stop or slow the flow of water and prevent flooding.

VA #35 Reservoirs



Reservoirs are used to store water.

VA #36 Water Collection Systems

Collection systems and treatment plants move and clean water.



VA #37 Water Treatment Plants



Wastewater treatment plants are used to clean water after human use.

VA #38 Storm Drains

Storm drains collect and carry water from streets and cities.

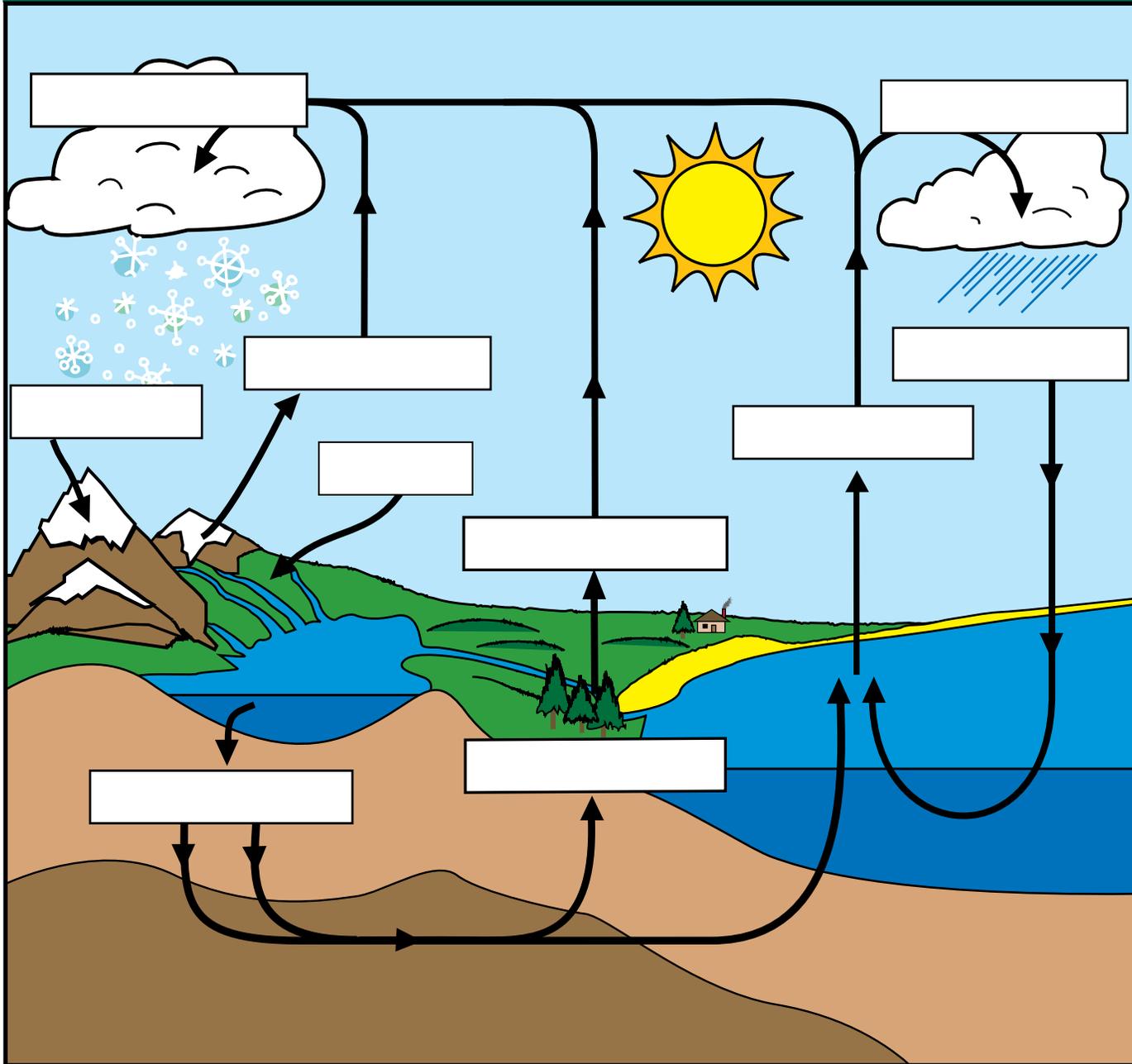


VA #39 Treated Wastewater Returns to the Ocean



Treated wastewater is sent to the ocean.

VA #40 The Water Cycle





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