

4

History-Social
Science Standard
4.2.6.



Cultivating California

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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Lesson 1 California's Changing Economy

None required for this lesson.

Lesson 2 Hunters, Gatherers, Farmers, and Franciscans

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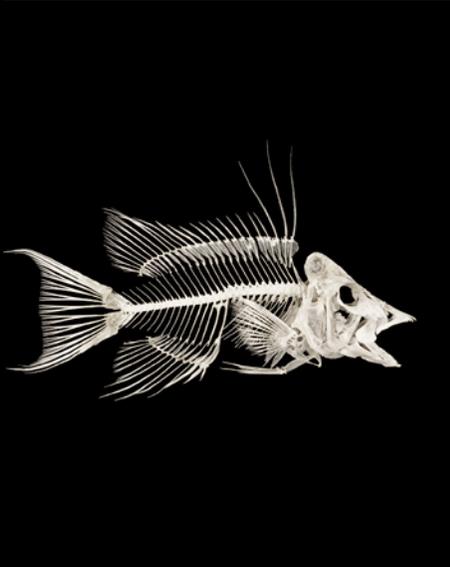
Lesson 5 Changing Natural Systems

None required for this lesson.

Lesson 6 The End of Hunting and Gathering

None required for this lesson.

VA #1 Collection of Objects A

Fish Skeleton	Mussel and Abalone Shells	House
		
Basket	Mortar and Pestle	Acorns
		

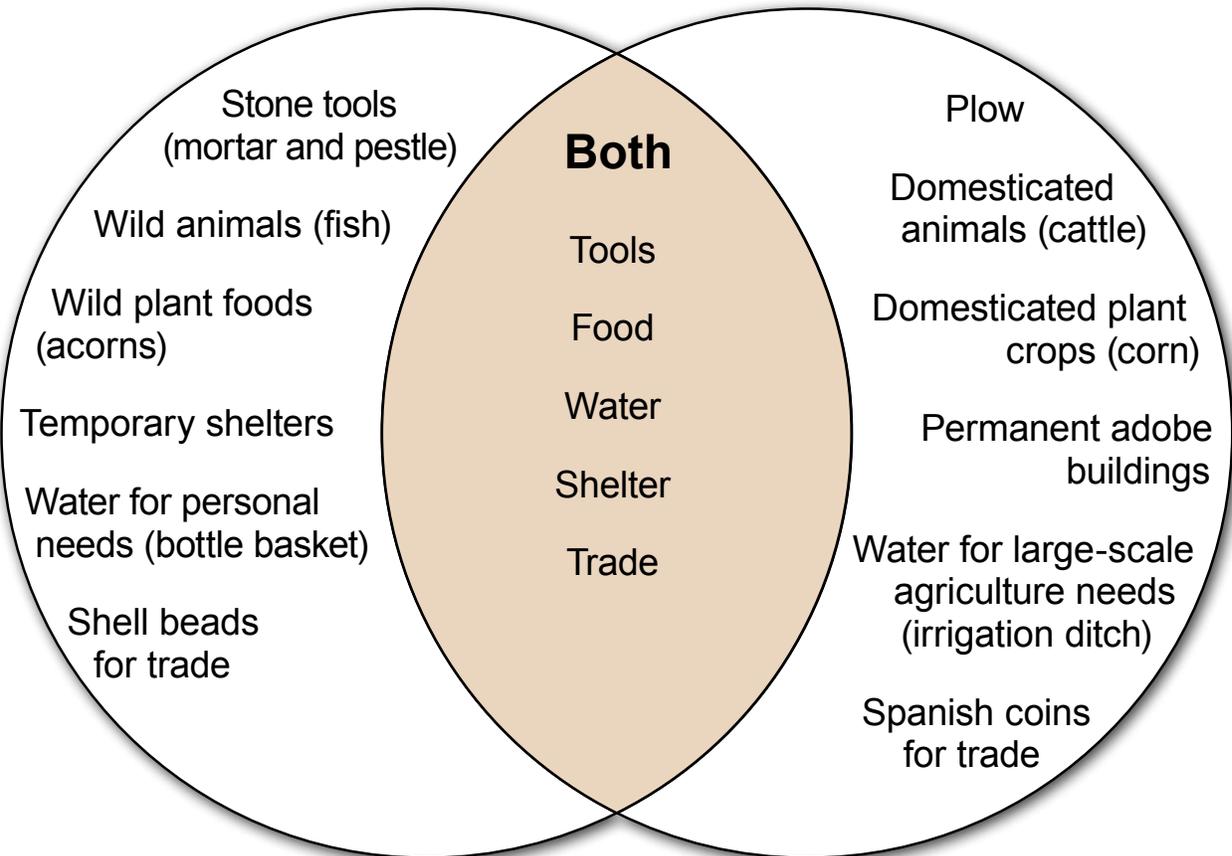
VA #2 Collection of Objects B

Cow Skull	Spanish Coin	Plow
		
Corn Kernels	Adobe Bricks	Irrigation Canal
		

VA #3 Comparing Economies

California Indian

Franciscan Mission



1. What is the same about these economies?
2. What is different about these economies?

VA #4 Reflections from 1769

Reflections from 1769 by a Member of the Portola Expedition

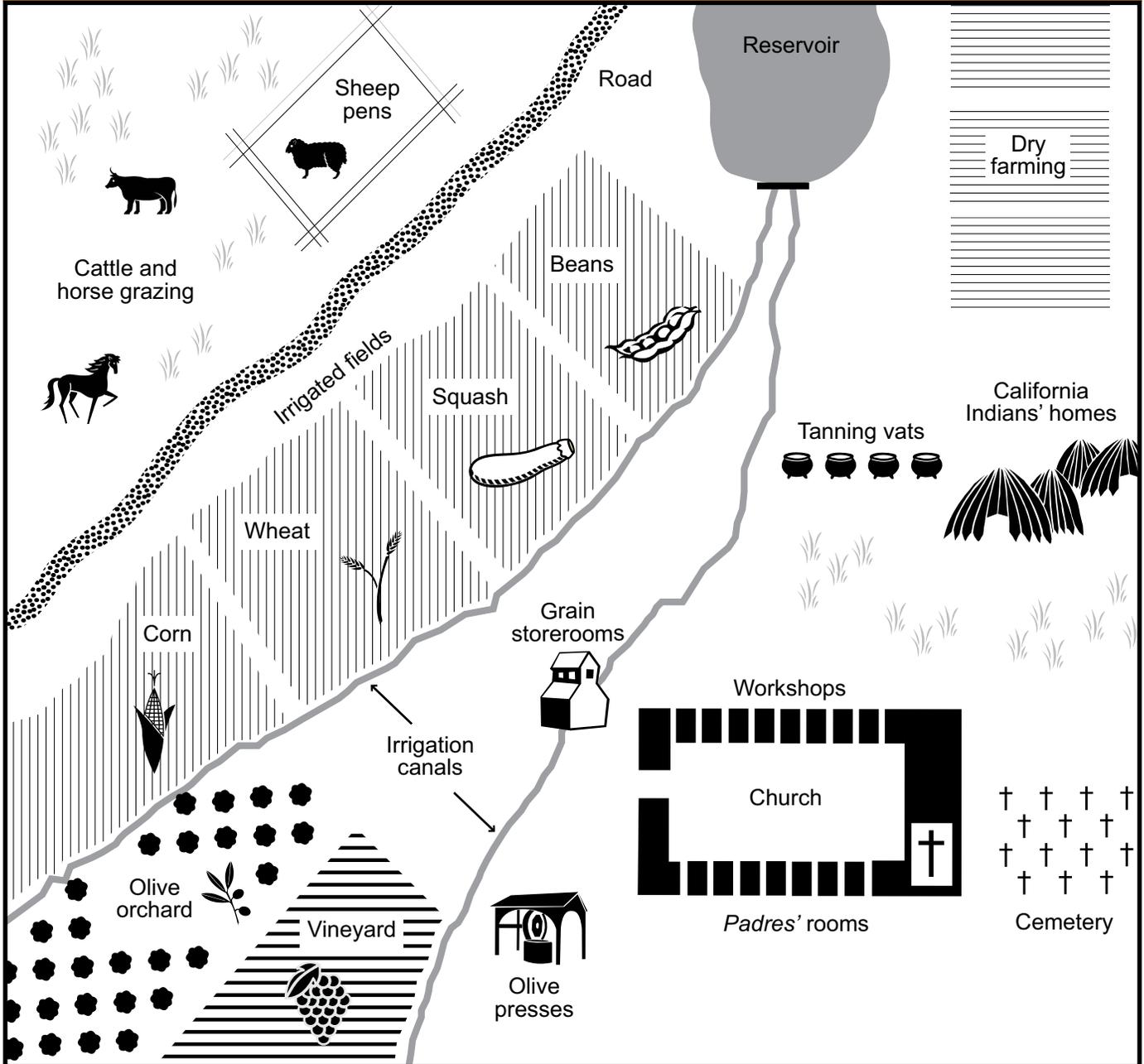
“Great numbers of Indians came to the camp. They had presents of seeds, acorns, and honeycombs on stick frames.

“The natives came with roasted and fresh fish, seeds, acorns, and other foods. They wanted us to eat. We treated them all kindly. We gave them glass beads, ribbons, and other small things. In trade they gave us baskets, furs, and feather plumes.

“Two large bands of Indians met us on the road. They gave us presents of pine nuts and some large trays of hot cereal. These helped meet the needs of our men.”

Adapted from Costanso, 1911.

VA #5 A Self-Sufficient Mission's Lands



VA #6 Agricultural Production at Mission San Gabriel

Wheat

Year	Number of <i>Fanegas</i> Planted	Number of <i>Fanegas</i> Harvested
1771	$\frac{1}{2}$	0
1773	$5 \frac{4}{5}$	80
1775	8	109
1777	2	55
1795	179	2,600
1807	280	7,000
1821	237	11,000

Livestock

Year	Number of Cattle	Number of Horses	Number of Sheep
1773	38	6	40
1783	900	140	1,800
1803	9,500	1,630	13,000
1807	9,500	1,605	10,000
1811	11,000	850	10,000
1829	25,000	2,000	15,000

Adapted from Jackson and Castillo (1995) and Engelhardt (1927).

VA #7 Mission San Gabriel in 1800



VA #8 Native Plants and Natural Systems



Native plants cover the land.

VA #9 Livestock and Natural Systems



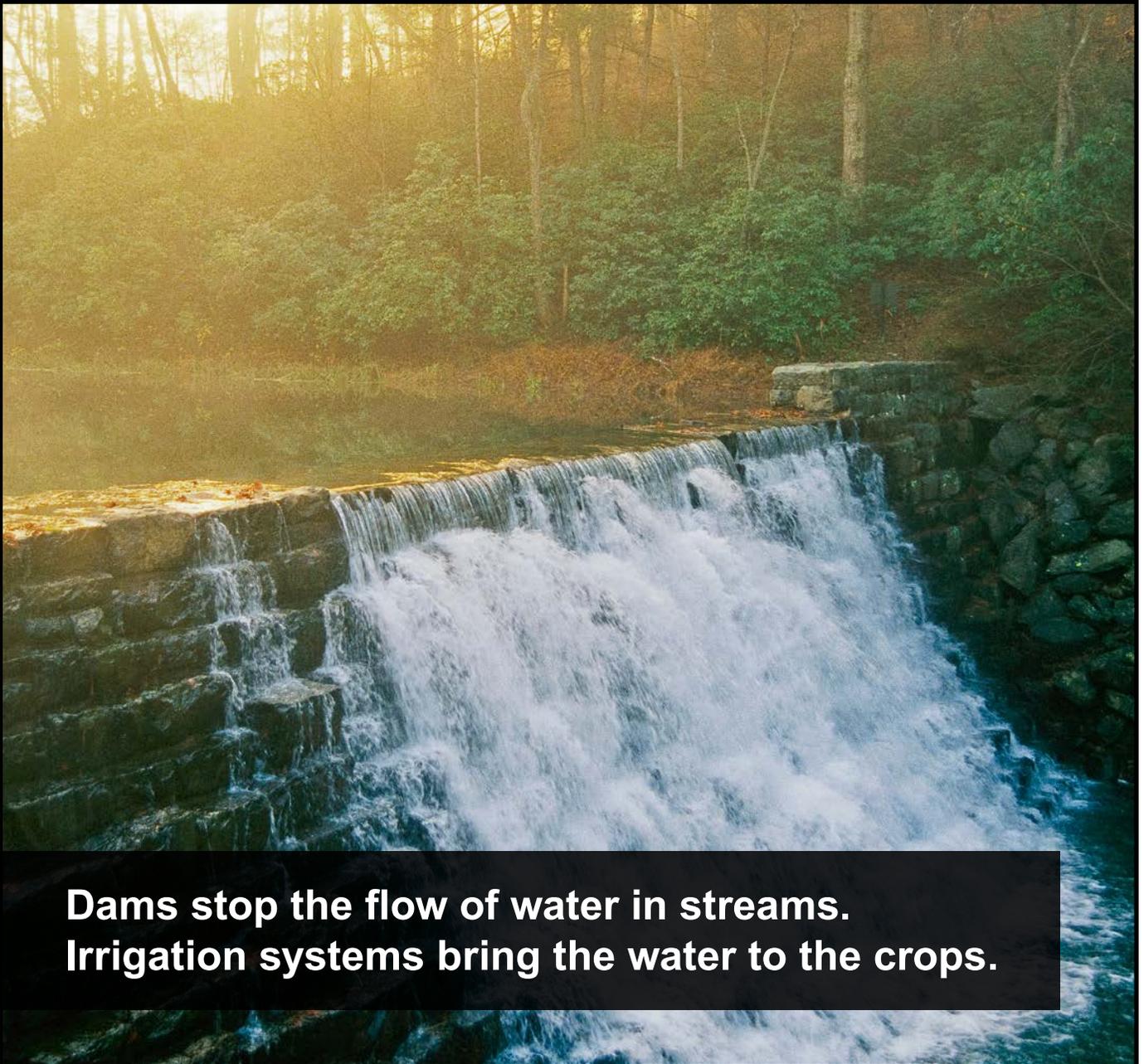
Lots of livestock walking on a small area can damage plants. Sometimes this leads to erosion.

VA #10 Wild River



**This is a wild river. In a wild river,
the water flows naturally.**

VA #11 Water Control and Natural Systems



**Dams stop the flow of water in streams.
Irrigation systems bring the water to the crops.**



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