



## Jacoby Creek Land Trust

PO Box 33 • Bayside, CA 95524

[www.jclandtrust.org](http://www.jclandtrust.org)

(707) 822-0900 • [jclandtrust@yahoo.com](mailto:jclandtrust@yahoo.com)



### STREAM SKETCHING

**Grades:** 4-12      **Subjects:** Science, Environmental Studies

**Group Size:** 1+      **Duration:** 25-45 min.

**Setting:** On the banks of the Jacoby Creek

**Key Words:** focuses on native plant identification, native species and wildlife habitat, ecology, riparian restoration, and salmon lifecycle and habitat

**Goals/Objectives:** Students will draw the creek or the watershed and label their features. They will gain an understanding of the water cycle, a watershed, and the riparian zone.

**Background:** This activity requires the students to closely observe and then draw features of the Jacoby Creek and watershed. They will gain a deeper understanding of the features and functions of a watershed, waterway, and riparian zone as they draw and label their diagrams.

**Materials & Prep:** Paper, pencils, and clipboards for each student.

**Activity:** Get creative with this activity! There are many stream features that can be drawn and labeled from many different perspectives such as the creek channel, ripples, currents, plants, animals, gravel, rocks, and debris. You could draw the creek from sitting on the shore. Or draw a landscape of the watershed with water cycle features like evaporation, condensation, and precipitation. You could draw a cross-section of the creek or watershed and include the creek banks, hills, houses, farms, floodplains, and forests. You could even include underground features such as groundwater and nutrients. Below are a couple of examples and a worksheet to label.



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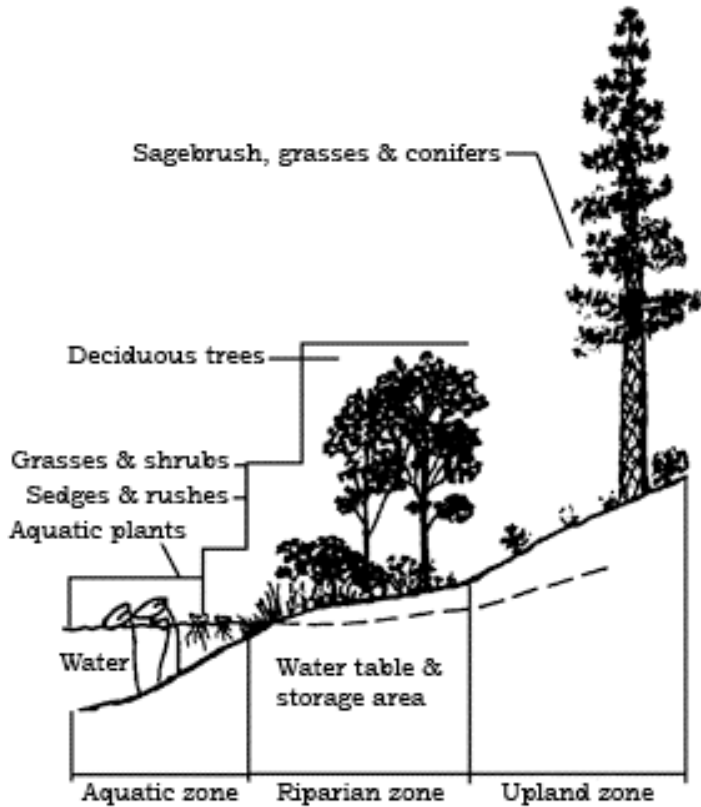
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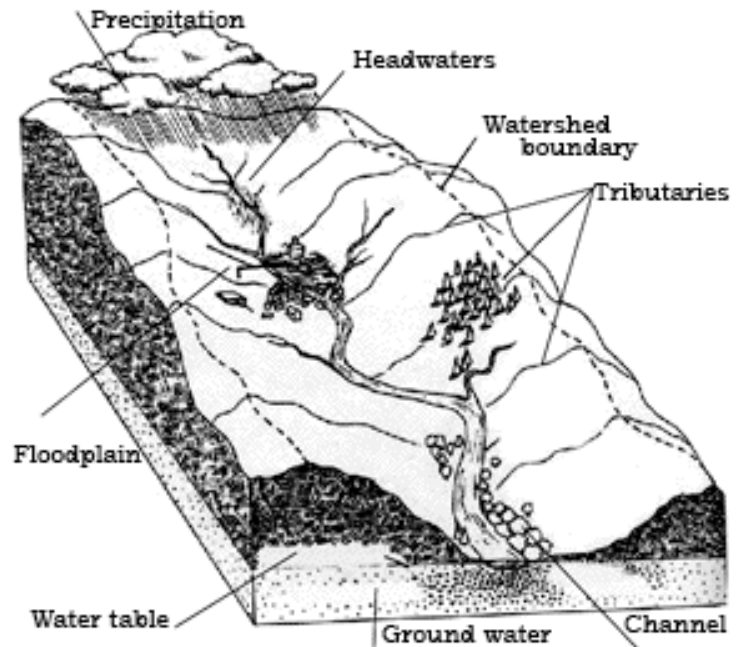
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## Riparian Cross-section



## Watershed Diagram





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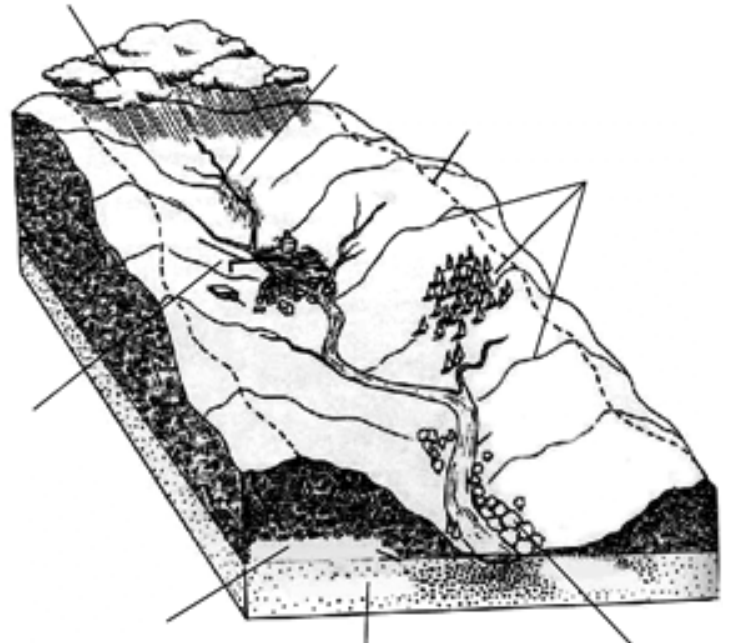
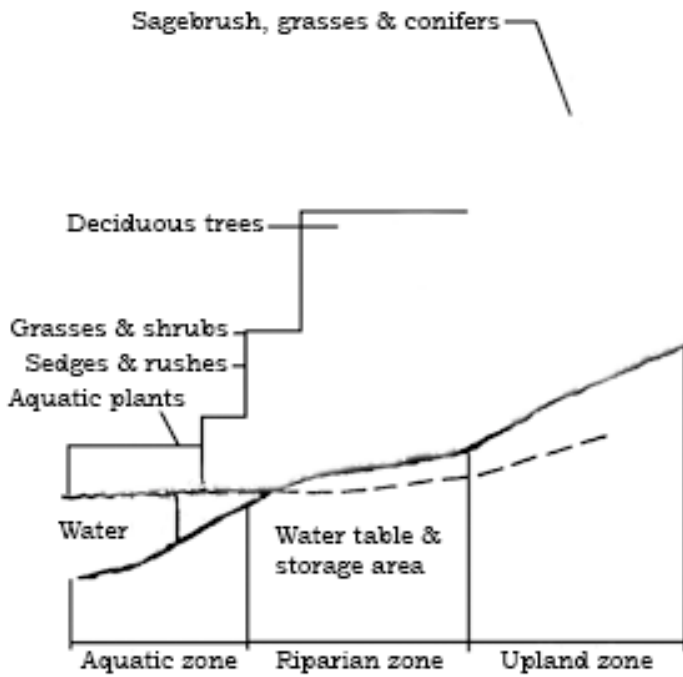
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## Stream Sketching Worksheet

### Riparian Cross-section

### Watershed Diagram



**Draw your own observations here:**