

How well do you know the Roaring Fork Watershed?

Use RFC's website to answer these questions. Roaring Fork Watershed maps can be found at www.roaringfork.org/your-watershed/roaring-fork-watershed-maps/

How big (in square miles) is the watershed? An area of 1,451 square miles - about the size of the state of Rhode Island.

What percentage of the watershed is public land? About 75%

What are the three major rivers? Roaring Fork River, Crystal River, Fryngpan River.

How many transbasin dirversions do we have? What are their names and where are they located? To where do they transport water?

1- Boustead Tunnel - 3rd largest transbasin diversion tunnel in Colorado in amount of water being transported. Water flows to Turquoise Reservoir near Leadville.

2 -Busk-Ivanhoe Tunnel - Carries water from Ivanhoe Reservoir to Turquoise Reservoir near Leadville.

Roaring Fork Headwaters:
3 -Twin Lakes Tunnel - 5th largest transbasin diversion tunnel in Colorado in amount of water transported. Water goes to Twin Lakes Reservoir.

What is the highest peak and its elevation? Castle Peak at 14,265 feet

What is the lowest point? Colorado River at 5,916 feet

How much water does the Roaring Fork River contribute to the total flow in the Colorado River? The Roaring Fork Watershed contributes about 856,000 acre feet or 279 billion gallons of water each year to the Colorado River. This equates to between 8-12% of the total flow in the Colorado River.

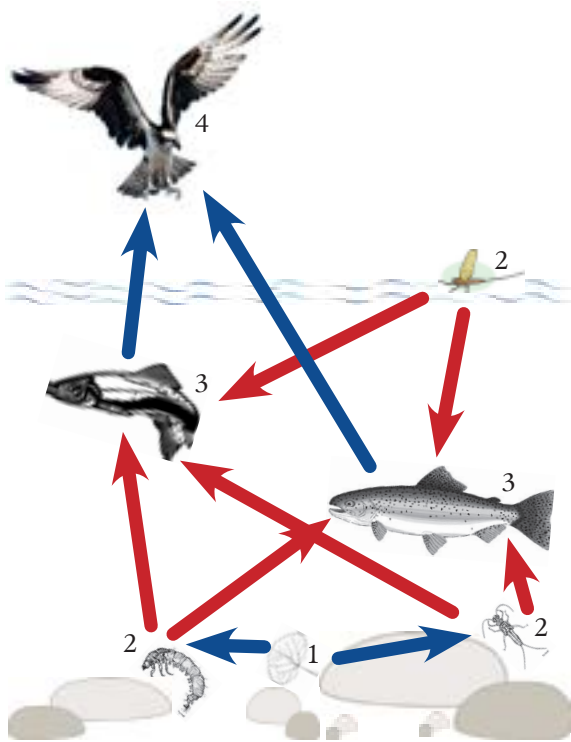
How many reservoirs can you name? To name a few: Ruedi, Spring Park, Wild Cat, Grizzly, Ivanhoe, Hughes, and more.



RIVERSIDE CIRCLE OF LIFE



Everyone needs to eat, even if you live underwater!
 Draw arrows from each #1 to every #2, then from each #2 to each #3, and so on, to learn who eats who in a river ecosystem.

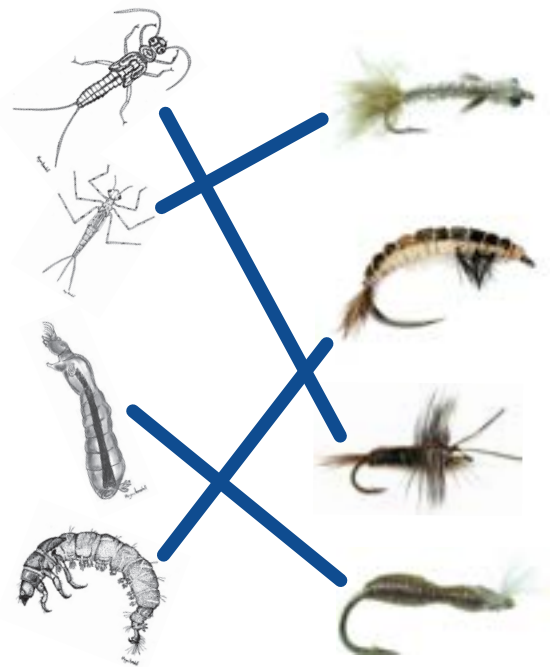


MATCH THE HATCH



Did you know? Fish eat insects! Anglers make their own “flies” that look like real insects to catch fish!

Draw a line to match the aquatic insect with the fly that is made to look just like it!



WORD SEARCH



Search up, down, forward, backward, and on the diagonal to find the hidden words.



STREAM
 WATERFALL
 TRIBUTARY
 CHANNEL
 MEANDER
 WATERSHED

FLOW
 FRYINGPAN RIVER
 CRYSTAL RIVER
 ANGLER
 CONFLUENCE
 TRIBUTARY
 BANK
 PEBBLE

RIPARIAN METAPHORS

A metaphor compares how one thing can be like another.

Fill in the blanks using the following riparian metaphors:

velcro® grocery store sponge filter nursery

1. A healthy riparian area is like a sponge because it can soak up extra water during floods and release it slowly during dry periods.
2. Riparian areas are like a nursery because they provide a safe place for animals to give birth and raise young.
3. Trees along a stream bank act like velcro®, holding soil in place to minimize erosion and keep sediment out of the river.
4. Trees and plants within a riparian area are like a filter because they can clean toxins and chemicals out of the water.
5. A riparian area is like a grocery store because it provides a wide variety of nutritious food for animals and plants.