**Truckee River Water Flow** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_

Water is almost always flowing down the Truckee River. Have you ever wondered how much is actually passing you by as you look at the water? Today you will use available online data to learn more the major water resource for Reno.

**A: Real time data on the Truckee River.** Go to <https://www.cnrfc.noaa.gov/graphicalRVF.php?id=VISN2> Look at graph.

1. Scroll down a little until you see today’s current level of the Truckee River in feet. The date is on the x axis and feet is on the y axis. How deep is the Truckee today in feet? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The reading of the river is taken at Vista. What is the elevation at Vista listed on the map toward the top of the graph? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the River Group? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What is the latitude and longitude of the monitoring site? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. There is a tool bar called “ensemble forecast”. Click on Ensemble Forecast. This is a short range prediction of how high the Truckee River will be 3 days from now: DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HEIGHT IN FEET: \_\_\_\_\_\_\_\_\_\_\_
6. Scroll down. Under the ensemble forecast for the Truckee River water level is the 7 day national weather forecast. What is the forecast for the date from question 3?
7. Use the arrow in the upper left to go back to the original page. How high is the Truckee River in feet for flood monitoring? \_\_\_\_\_\_\_\_\_\_\_\_\_
8. How high is the Truckee River to be at Flood Stage? \_\_\_\_\_\_\_\_

**B. What is the flood history of the Truckee River in Reno?** Continue on the same page. Scroll down to the USGS (United States Geological Service) data.

1. What is the date and highest stage in feet of the Truckee in the most recent 5 years?

DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TRUCKEE RIVER STAGE IN FEET FOR THAT EVENT: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is cubic feet per second (cfs) for the event listed in question 7? \_\_\_\_\_\_\_\_\_\_\_\_
2. Look at the Historical/High Stage Flow Events. How high was the Truckee River at the single largest high stage/flow event in feet? \_\_\_\_\_\_\_\_\_\_\_\_\_
3. What was the cubic feet per second (cfs) for the event described in question 9? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Why is the event in 1997 ranked below the event in 1963 considering that the stage in feet is greater for the 1997 event?
5. Scroll down toward the bottom of the page where “impacts” are located. Read through the impacts until you get an impact that is called “major flooding”. How many feet does the Truckee River have to be for “major flooding” impacts?
6. Describe what “major flooding” would look like and cause for this area.

Go the this blog: <https://blog.dicksonrealty.com/2018/05/truckee-river-facts/>

1. How did the Truckee River get its name?
2. When did beavers first inhabit the Truckee River?
3. What did Fremont and Carson call the Truckee when they found it?
4. How many outlets does Lake Tahoe have?
5. What kind of fish are stocked in the Truckee River?