# North Carolina Rivers: Impacts and Influences

## Inquiry

**What’s the difference between a lake and a river?**

**How can we make a model of river basin?**

**How does a river change the surface of the Earth?**

**How does the sun impact runoff from precipitation?**

**How might plants and animals depend on the health of a river?**

## Activity 1

**Materials:**

**Links to view:**

* [**https://www.youtube.com/watch?v=qmHSUrgpCV8&feature=youtu.be**](https://www.youtube.com/watch?v=qmHSUrgpCV8&feature=youtu.be)
* [**https://deq.nc.gov/about/divisions/water-resources/water-resources-training/public-involvement/stream-watch-home-page**](https://deq.nc.gov/about/divisions/water-resources/water-resources-training/public-involvement/stream-watch-home-page)

**Procedure:**

1. Watch this video: <https://www.youtube.com/watch?v=qmHSUrgpCV8&feature=youtu.be>
2. Visit <https://www.google.com/maps> and find your neighborhood using “Satellite” view.
3. Locate a stream near your neighborhood.
4. Explore the various land uses near your home, are there farms? Large buildings? How do these impact the stream near your house?
5. Write a paragraph to describe the different land uses and potential impacts to your nearby stream. Be sure to include the following:
   1. The name of a nearby stream
   2. Atleast 3 things you can identify near that stream (farm, building, road, forest/woods, etc.)
   3. How can those land uses you observe impact your nearby stream?

NC Stream Watch Component (Optional: For students who have safe, public access to a stream or river):

1. Visit <https://deq.nc.gov/about/divisions/water-resources/water-resources-training/public-involvement/stream-watch-home-page>
2. Scroll down to “Stream Level” tab and click to complete the Stream Level Survey about a stream in your neighborhood or community.
3. View your observations on a statewide map: <https://ncdenr.maps.arcgis.com/apps/View/index.html?appid=cf93169315264a28a985e3a016941880>