FIELD TRIP CONCEPTS AND QUESTIONS FOR THE CASHIE RIVER SYSTEM
Characteristics, dynamics, & main concepts of a world-class, black-water tributary river system.
  1. Cashie River Basin: trunk river and tributary streams
  2. Cashie River Gradient: upstream incised channel to downstream drowned river estuary
  3. Role of floodplains vs human encroachment
  4. Water quality and ecosystems of black-water streams

STOP 1. SCHOOL HOUSE ROAD.
  a. What is the approximate elevation of the Cashie River surface? ______________________
  b. Estimate the width of primary river channel (relative to a 100 yd football field)? ______
  c. Using a small stick measure the flow rate (estimated feet/10 seconds) in the main channel.
  ____________________________________________
  d. Describe the width and topography of the floodplain (relative to a 100 yd football field).
  _________________________________________________________
  e. Types of trees in the floodplain (upland pine-oak/swamp cypress-gum). __________________
  f. Color of water______________
  g. List direct sources of runoff pollution. __________________________________________________
  h. Describe the human encroachment ______________________________________________________

STOP 2. HOGGARDS MILL ROAD.
  a. What is the approximate elevation of the Cashie River surface? ______________________
  b. Estimate the width of primary river channel (relative to a 100 yd football field)? ______
  c. Using a small stick measure the flow rate (estimated feet/10 seconds) in the main channel.
  ____________________________________________
  d. Describe the width and topography of the floodplain (relative to a 100 yd football field).
  _________________________________________________________
  e. Types of trees in the floodplain (upland pine-oak/swamp cypress-gum). __________________
  f. Color of water______________
g. List direct sources of runoff pollution.

h. Describe the human encroachment

**STOP 3. DOWNTOWN WINDSOR.**
a. What is the approximate elevation of the Cashie River surface? 

b. Estimate the width of primary river channel (relative to a 100 yd football field)? 

c. Using a small stick measure the flow rate (estimated feet/10 seconds) in the main channel. 

d. Describe the width and topography of the floodplain (relative to a 100 yd football field). 

e. Types of trees in the floodplain (upland pine-oak/swamp cypress-gum). 

f. Color of water

g. List direct sources of runoff pollution.

h. Describe the human encroachment

**STOP 4. TREE HOUSE VILLAGE.**
a. What is the approximate elevation of the Cashie River surface? 

b. Estimate the width of primary river channel (relative to a 100 yd football field)? 

c. Using a small stick measure the flow rate (estimated feet/10 seconds) in the main channel. 

d. Describe the width and topography of the floodplain (relative to a 100 yd football field). 

e. Types of trees in the floodplain (upland pine-oak/swamp cypress-gum). 

f. Color of water

g. List direct sources of runoff pollution.

h. Describe the human encroachment

**STOP 5. BOARDWALK AND ROANOKE-CASHIE RIVER CENTER.**
a. What is the approximate elevation of the Cashie River surface? 

b. Estimate the width of primary river channel (relative to a 100 yd football field)? 

c. Using a small stick measure the flow rate (estimated feet/10 seconds) in the main channel. 

d. Describe the width and topography of the floodplain (relative to a 100 yd football field). 

e. Types of trees in the floodplain (upland pine-oak/swamp cypress-gum). 

f. Color of water

g. List direct sources of runoff pollution. 

h. Describe the human encroachment