



# Bridging the Watershed

## Water Canaries Datasheet

Date: Teacher: Park: Study Site: 

Park Rangers &amp; Educators: (one per row)

Group Members: (one per row)

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Latitude:  North  °Longitude:  West  °

Why is it important to know the latitude and longitude?

	Yesterday			Today		
Air Temperature	<input type="text"/> °C			<input type="text"/> °C		
Cloud Cover	<input type="checkbox"/> Clear	<input type="checkbox"/> Partly Cloudy	<input type="checkbox"/> Cloudy	<input type="checkbox"/> Clear	<input type="checkbox"/> Partly Cloudy	<input type="checkbox"/> Cloudy
Precipitation	<input type="checkbox"/> None	<input type="checkbox"/> Rain	<input type="checkbox"/> Other	<input type="checkbox"/> None	<input type="checkbox"/> Rain	<input type="checkbox"/> Other

How could weather affect today's field study?

Water Color Water Odor Water Temperature  °CStream Bottom:  Rocky  Sandy/Gravel  SiltyStream Canopy:  Full Shade  Partial Shade  Sun

How are water temperature, stream bottom, and canopy related?

Stream Speed:

Trial 1  SecondsTrial 2  SecondsTrial 3  SecondsAverage  Seconds (Add all 3 Trials and divide by 3)

Use the average time from above in the calculation below to determine average stream speed

10m /  [average time]=  meters/second

Because we test speed only at the surface of the stream, we use a 'fudge factor' of 0.8 to adjust for an overall stream speed. Use the average speed from above to find the overall stream speed:

Average Speed x 0.8 (fudge factor) =  meters/second



Sketch the study site, showing all details that affect your field study:

Blank area for sketching the study site.

Macroinvertebrate Collection (Write in numbers only)

Mayflies	
Stoneflies	
Most Caddisflies	
Beetle & Water Penny	
Damselfly & Dragonfly	
Common Netspinner Caddisfly	
Crayfish	
Gilled Snails	
Sowbugs	
Scuds	

Clams	
Cranefly	
Hellgramites	
Lunged Snail	
Black Flies	
Midges	
Worms	
Flat Worms	
Leeches	

Other/Notes:

Blank area for other notes.