Guided Data Collection

Pre-trip –

Record the rainfall and climate for the last 6 months:

Month						Current month: _____
Average high in °F						
Average low in °F						
Days with precipitation						
Av. precipitation in inches						

What predictions can you make about your local stream based on the rainfall and climate from the last 6 months?	

Using the [DLNR's Flood Hazard Assessment Tool](#)**, make an observation about your local stream or ahupuaʻa***:*

Observation:	

Guided Data Collection

During the trip – *modify this datasheet to fit the means of your stream trip*

Observations:

Water visibility (murky, clear, etc.)	
Water flow (fast, slow, rapids, etc.)	
Description of the bank area	
Types of vegetation and plants around the stream	
Other observations/sketches *(consider natural, cultural and scientific methods of collecting data –i.e. Moon phases)*	

Water quality testing:

Date/Time				
Temperature				
pH				
Dissolved Oxygen				
Turbidity				

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Post-trip –

Summarize your stream visit data:	

Do you think the test results would be different if they were measured at a different time of day or year? Why?	

What does your data tell you about the health of the stream?	

Based on the data you collected, what can you predict about the stream's behavior in the future? Do you think this stream is at risk to flood? Why or why not?	