

Permit 2008-007

<b>Field Name</b>	<b>Field Value</b>
Name	Jessica Hopkins
Organization	Biology
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Web_Address	
Renewal	No
Permit_Number	2008-007
Activity	Research
Project	Continuous Long-Term Water Quality Monitoring
Dates	May 17, 2008 and ongoing
Group_Size	4
Research_Area	No
Sensitive_Area	Yes: North Fork
Other_Areas	Yes
Public_Areas	Yes
Building	Yes
Prep_Work	Data collected from the monitoring stations will be stored on the main field station computer.
Sampling_Collecting	No
Sampling_Methods	
Description	<p>The goal of the long-term continuous water quality monitoring project is to collect and disseminate data that is important to aquatic biology. An integral part of the monitoring program is a system of sensors with data logging/telemetry equipment that provides a continuous picture of the health of the streams flowing through the preserve. Four continuous monitoring stations will be installed on the preserve's streams to measure stream flow, temperature, dissolved oxygen, pH, conductivity, and turbidity. Once up and running, the data from the sensors will be provided on a website in near real-time. Installation of the sensors and telemetry equipment will require several site visits during May and June 2008. A one-time survey of the Bath Nature Preserve is required to establish control elevations, which are used in stream discharge measurements. Once the monitoring stations are installed, weekly visits to each station will be required for maintenance and QA/QC. A long-term water quality monitoring program with remote data access is an excellent asset for the university because the data</p>

	collected will provide the foundation for research projects, can be integrated into several STEM courses, and provides a way for the public to access information about the preserve.
Agreement	Accept