### 2021 Cooperative Summer Internship Program

<table>
<thead>
<tr>
<th>USGS Project Scientist</th>
<th>Andrew Waite</th>
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<tbody>
<tr>
<td>Project start date</td>
<td>5/31/2021</td>
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<tr>
<td>Duration</td>
<td>3-5 months</td>
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<tr>
<td>Location</td>
<td>Milford, PA</td>
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<tr>
<td>Type of Intern</td>
<td>NAGT</td>
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<tr>
<td>Title of Project</td>
<td>Surface Water and Ground Water Data Collection</td>
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<td>Background</td>
<td>NY Water Science Center (WSC) operates and maintains a network of approximate 350 streamgages throughout the state. All of these gages collect water level data, and many collect other parameters including water velocity, water quality, and precipitation data. In addition, the center operates nearly 150 groundwater sites.</td>
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<td>Objectives</td>
<td>The intern will be part of the surface water and ground water data collection program and will help operate and maintain field stations as well as collect field data.</td>
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<td>Intern Tasks</td>
<td>With an experienced field technician, an intern will help maintain proper operation of NY WSC streamgages and ground-water gages. An intern will help perform field surveys to maintain vertical datum; perform routine annual field maintenance; install new streamgages; troubleshoot and replace field equipment; collect surface-water and ground-water data.</td>
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<td>Expected Results and Benefits to the Intern</td>
<td>Intern will gain hands-on experience working in the field with water-level sensors, data logging equipment; satellite telemetry equipment; streamflow and ground water field data collection equipment. Intern will gain hands-on experience maintaining gage infrastructure (equipment shelters, buried sensor lines) as well as possibly installing new gage infrastructure and sensing/logging equipment at newly established sites. Intern will gain experience troubleshooting and repairing field equipment, as well as using survey equipment. Intern will gain experience using streamflow measuring equipment and ground water measuring equipment.</td>
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<td>Skills and Interests of Candidates</td>
<td>Preferred candidates will have the ability to work with their hands and can operate basic hand tools. Candidate will be expected to perform physical labor (work with their hands in light construction work, equipment installations, etc), as well as assist in collecting field data using computers and other technical pieces of field equipment.</td>
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<tr>
<td>Project Type</td>
<td>Field Work;</td>
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<td>Project Discipline</td>
<td>Surface Water;</td>
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