

## Volunteer Water Quality Monitoring Level 1 Training

Part of The Missouri Stream Team Program



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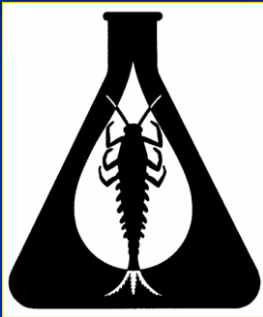
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## Volunteer Water Quality Monitoring Level 1 Training



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## Water Quality Monitoring

- Understanding conditions of water resources
- Providing a foundation for effective policies
- Promoting wise use and management
- Taking a holistic approach

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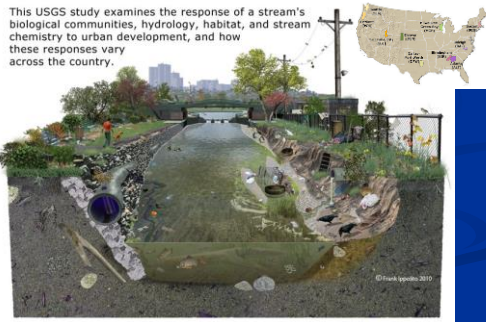
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## Urban Development




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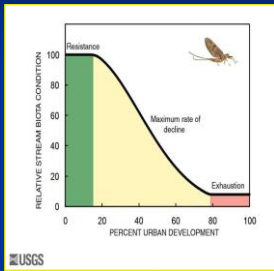
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## Urban Development

- Impacts aquatic communities
- As much as 33% degradation
- ≥10% impervious cover




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## Uses of Volunteer Data

- Inform and educate
- Gather baseline data
- Locate/identify emerging problems

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## Uses of Volunteer Data

- Establish long-term trends (5+ years)
- Supplement agency-collected data with Level 2 & 3 data
- Evaluate Best Management Practices (BMPs)

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## VWQM Level 1

- Today's workshop will include:
  - Chemical monitoring
  - Physical monitoring
  - Review of biological monitoring

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## What's Next?

- After today's workshop
  - Visual Survey
  - Chemical Monitoring
- To receive chemical equipment → submit your **Visual Survey** datasheet

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### VWQM Level 2

- Quality Assurance/Quality Control Workshop
- Greater data confidence and integrity
- Volunteers will:
  - Check monitoring equipment
  - Improve monitoring techniques
  - Improve ability to identify macroinvertebrates

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### VWQM Level 3

- Program staff QA/QC all techniques at your monitoring site
- The volunteer must:
  - Analyze all chemical parameters correctly
  - Identify all EPT taxa correctly
  - Complete stream discharge and visual survey correctly

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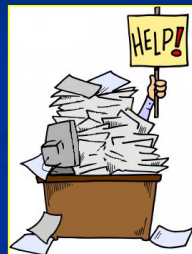
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### Workshop Paperwork

- Activity Report
- Training Record/Letter of Agreement
- Course Evaluation



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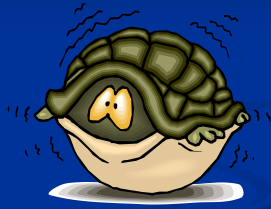
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## Dreaded Introductions!

- Name
- Rank
- Serial Number
- Adopted Stream?



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## Discussion

- Questions about monitoring methods and techniques from VWQM Introductory Level



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