



Stormwater Sampling in the San Antonio River Basin

July 18, 2025





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Monitoring Station Types

- Instream Stormwater Sampling
- Continuous Instream Monitoring
- BMP Stormwater Sampling (Best Management Practice - Low-Impact Development)



What's in a Station?

Continuous Instream Monitoring

- Multiparameter Sonde: temperature, pH, specific conductance, dissolved oxygen
- Data Logger/Transmitter
- Rain Gauge



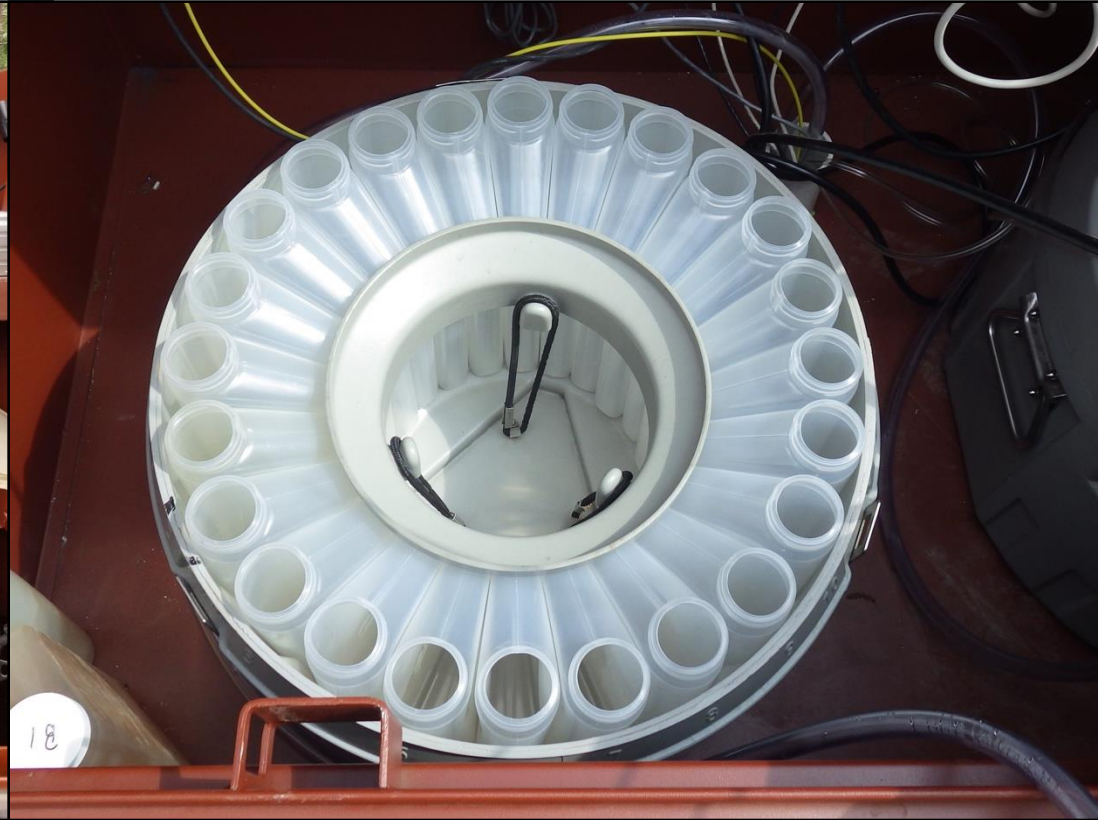
What's in a Station?

Instream Stormwater Sampling

- Automated Sampler
- Multiparameter Sonde (field parameters)
- Data Logger/Transmitter
- Rain Gauge



Stormwater Sampling Station





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Lab Analyses



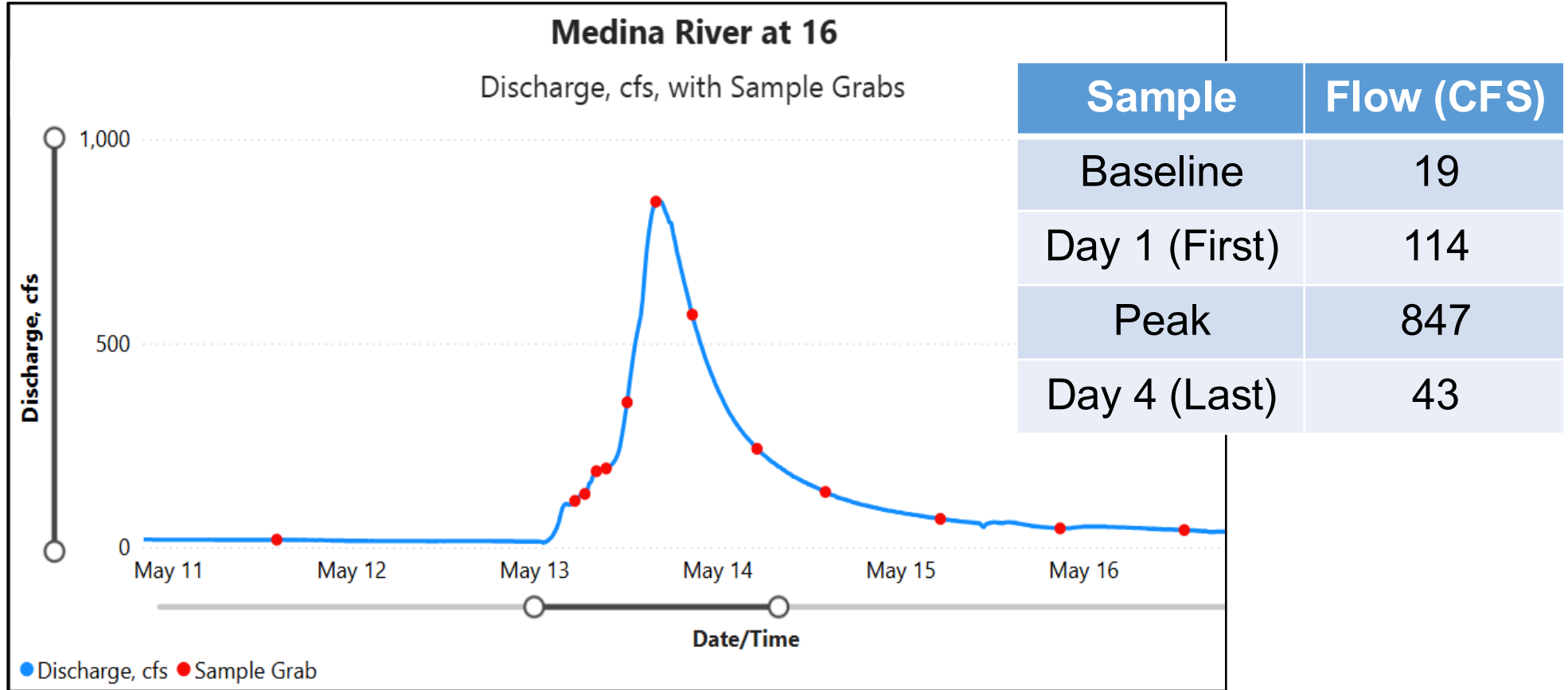
Non-Potable
Water

Chemistry: 17
Micro: 1
Metals: 22

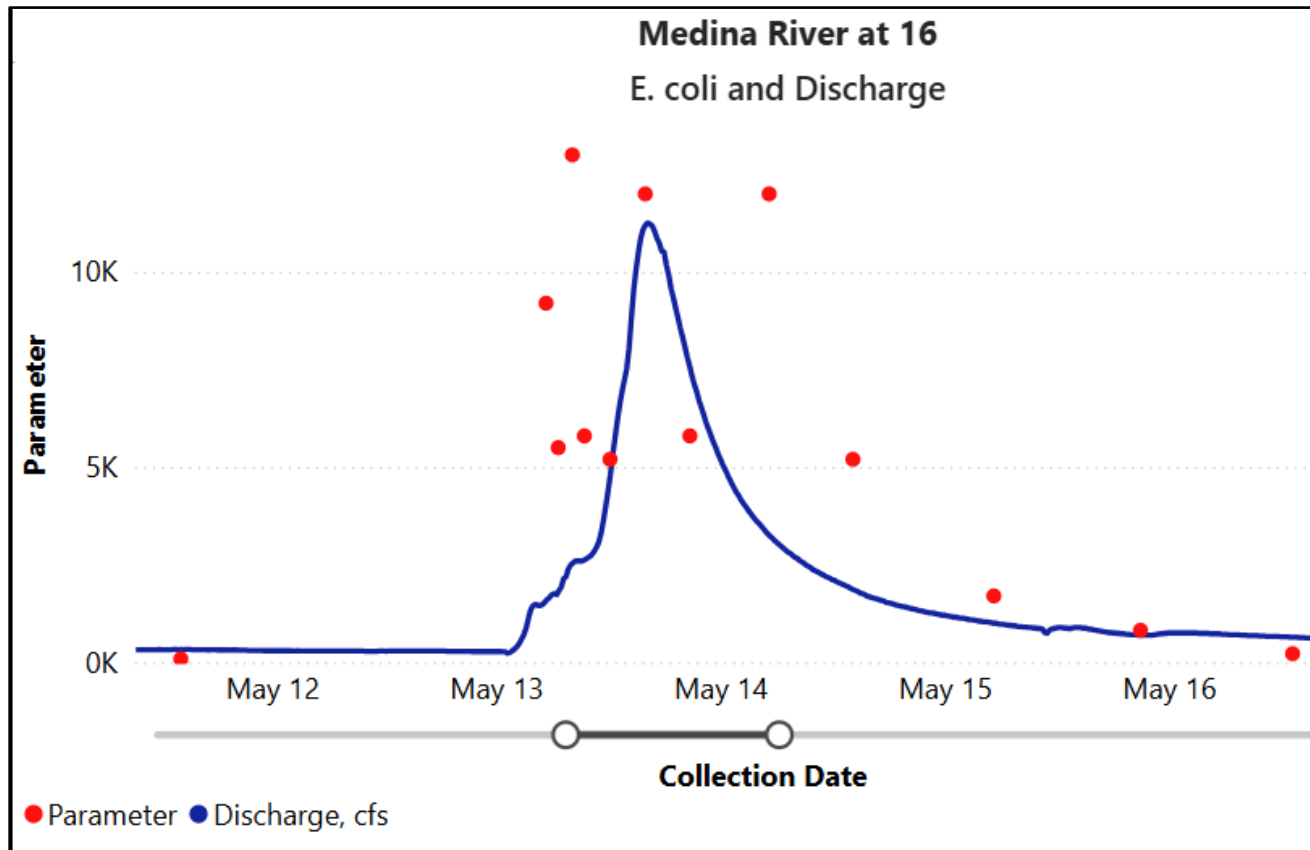


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Hydrographs



Hydrographs



| Sample | Flow (CFS) | MPN |
|-------------------------------------|------------|----------------|
| Baseline | 19 | 88 |
| Day 1 (First) | 114 | 9,200 |
| Peak* | 847* | 13,000* |
| Day 4 (Last) | 43 | 220 |
| Recreation Standard | | Geometric Mean |
| Primary Contact 1 (i.e. swimming) | | 126 MPN |
| Secondary Contact 1 (i.e. kayaking) | | 630 MPN |







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Questions?

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