



# Development of Water Quality Standards for Willard Spur

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## 2011 Sampling/Monitoring Program

Willard Spur Steering  
Committee

February 17, 2011



# Objectives

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- **Capture pre-discharge condition**
- **Provide background data for Science Panel to use in defining required studies**
  - What are current conditions?
    - *Hydraulics/hydrology?*
    - *What are sources and levels of contaminants?*





# Plan

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- **DWQ to collect water, sediment, and macro-invertebrate samples at outfall and in open water**
- **DWQ to collect water samples and estimate flow at up to 35 inflow points**
- **USGS to continuously monitor flow at five locations**
- **USGS to monitor water level/weather conditions at one location**







# Plan

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- **Modifications to the plan by Science Panel**
- **Mid-year and End-of-year summary reports to Science Panel for their review/use**



# Results

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- If adverse effect
- If no adverse effect
- If data is unclear

Seek Science  
Panel input and  
recommendations





# Possible Research Questions

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- Questions were developed as a “straw man” for the Steering Committee and Science Panel
- Seeking input to make sure objectives and questions are defined

