

Monthly Monitoring Recommendations

SRRTTF TTWG Meeting

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September 7, 2016

Outline

- Presentation of data collected to date, and corresponding flow conditions
- Decisions needed on if and when to sample this fall



Monthly Monitoring Objective

- Determine seasonal variability in river PCB concentrations
 - Provide data at higher flows than synoptic surveys
- “Informal” objective
 - Opportunistically assess river concentrations during wet weather conditions



Monthly Monitoring Scope

- Tiered schedule
 - Monitor during Spring 2016
 - Assess data during Summer 2016
 - Decide if Fall 2016 monitoring is worthwhile
- Decisions needed
 - Sample this fall, or not?
 - If so, which months?

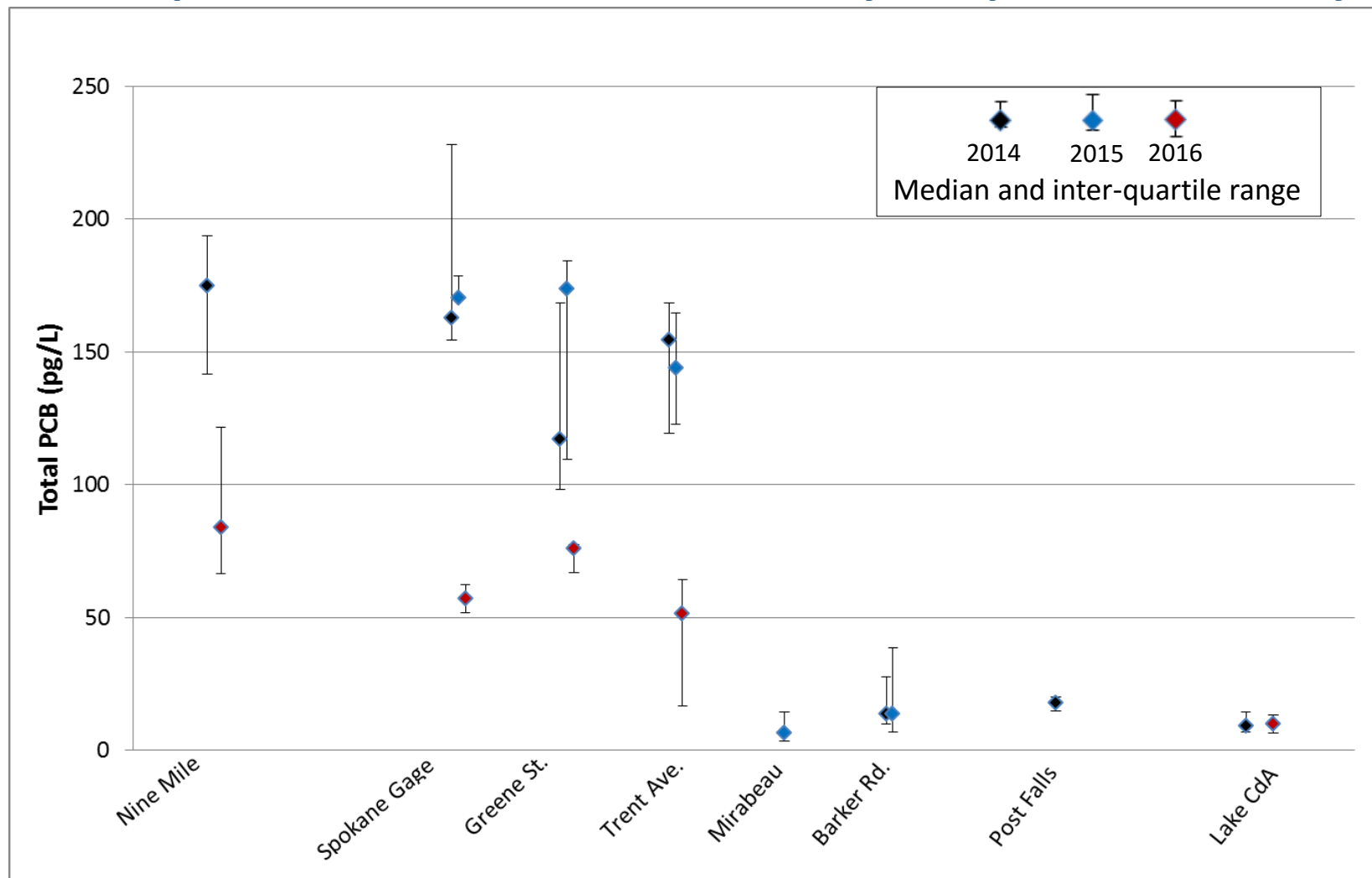


Findings to Date from Monthly Monitoring

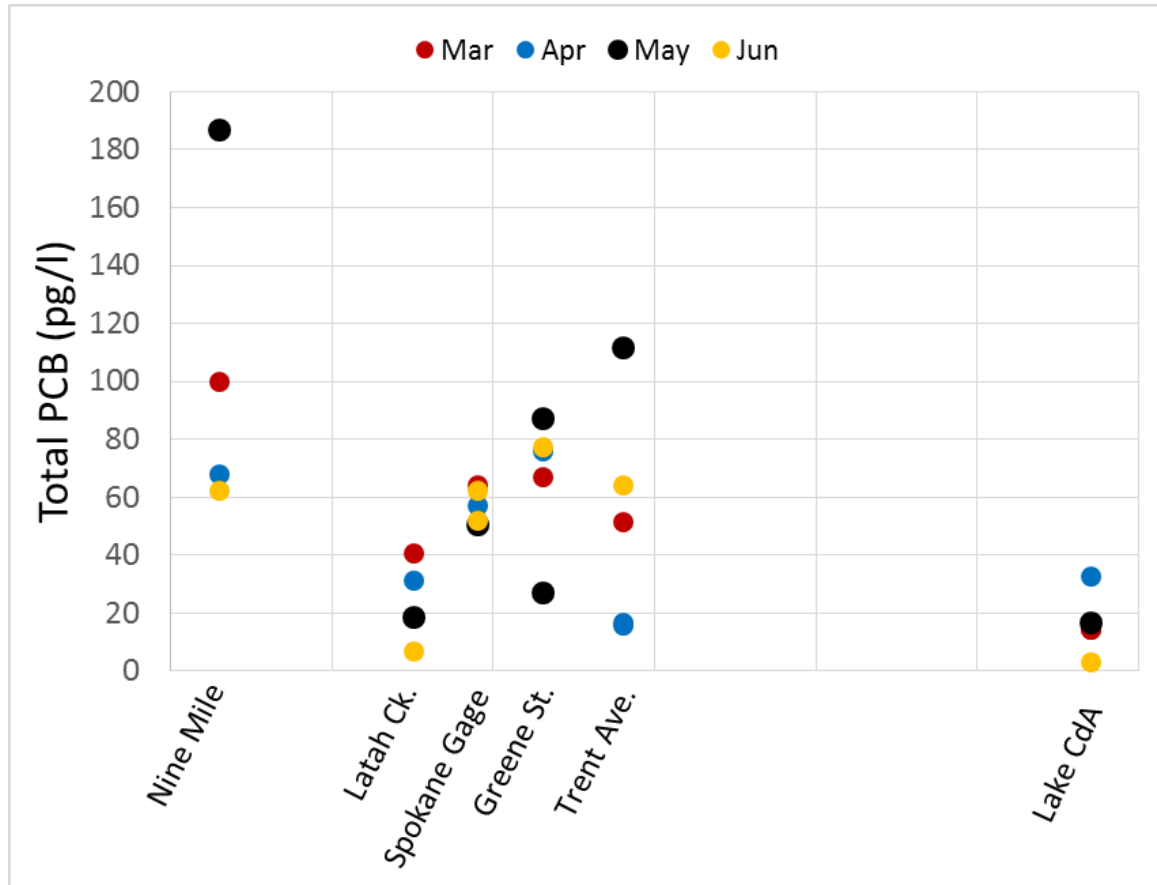
- Concentrations leaving Lake Coeur d'Alene remain low, similar to synoptic surveys
- Concentration near Spokane are somewhat lower than for synoptic surveys
 - Higher flows give greater dilution of existing sources
- Latah Ck. concentrations are uniformly low
 - Even in response to one “wet weather” event



Comparison of 2016 to Synoptic Surveys



Observed 2016 Concentrations



Question #1: Sample This Fall?

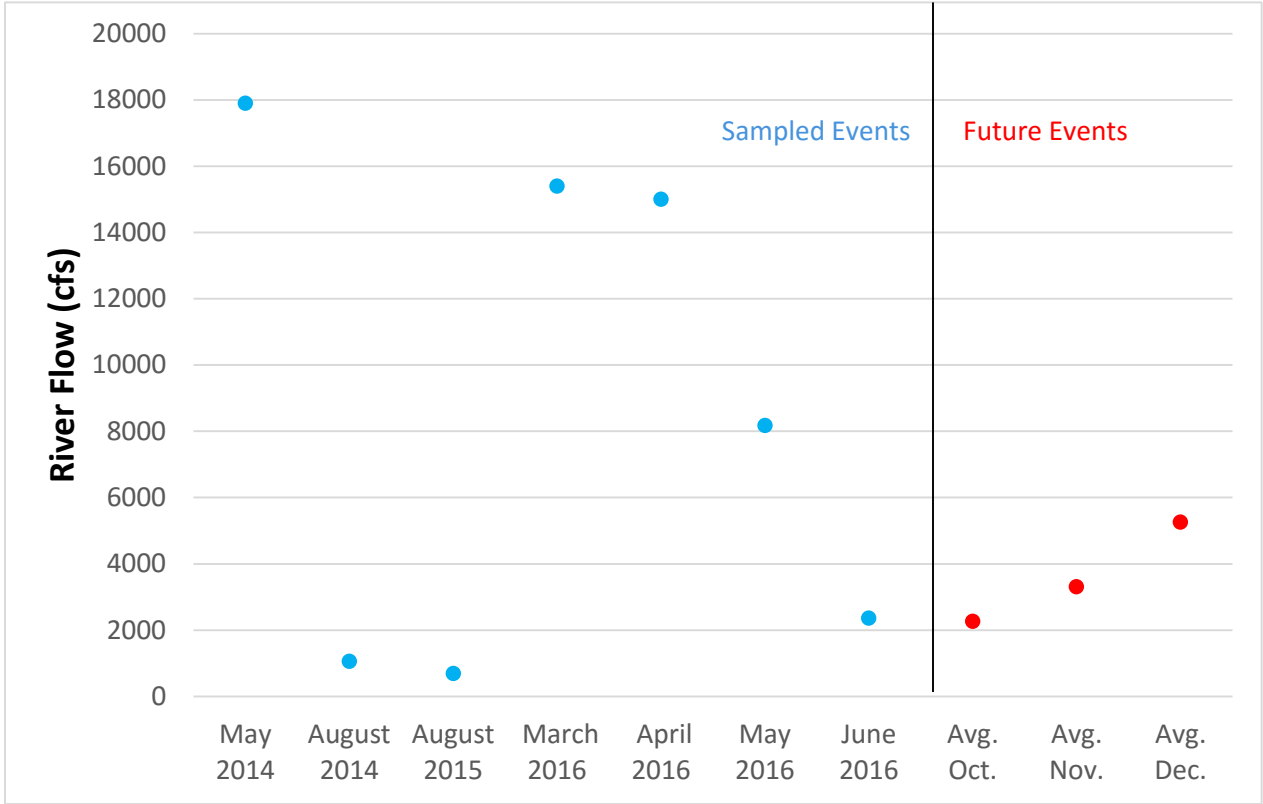
- SRRTTF made decision last May that June monitoring was worthwhile, even though snowpack had largely melted by then
 - Consensus that monthly monitoring was filling a data gap
- Data collected to date provide useful information
- Recommend sampling for fall months
 - i.e. maintain existing scope



Question #2: Which Months?

- Two months of sampling left in Scope
 - Choose between October, November, and December
- Trade-off between expected flow and likelihood of rainfall
 - Highest likelihood of unique flow range:
 - November and December
 - Best chance of opportunistic rain event:
 - November and December





Question #2: Which Months?

- Recommending October and November
 - November gives higher flow and chance of rain
 - Given implicit intent to sample river during wet weather, slight preference for October over December

