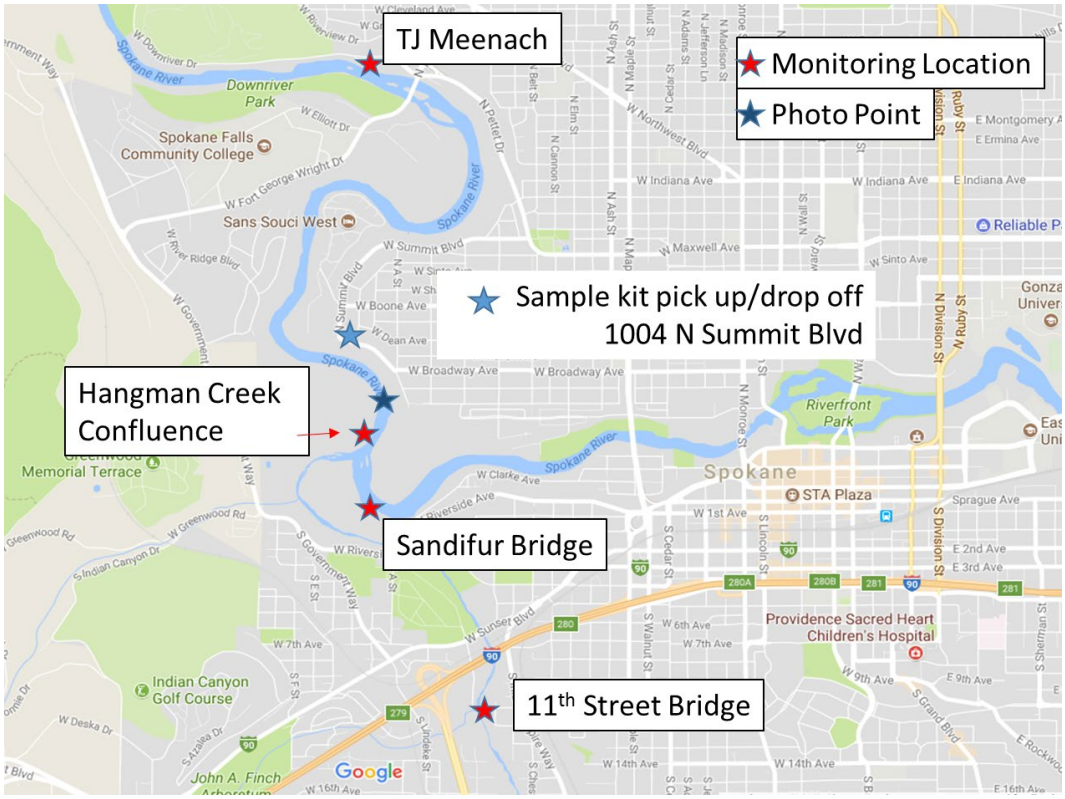
Hangman Creek Spokane River Turbidity/Sediment Study - Quick Facts

Methods Cheat Sheet: Taking a transparency reading and water sample at four locations.

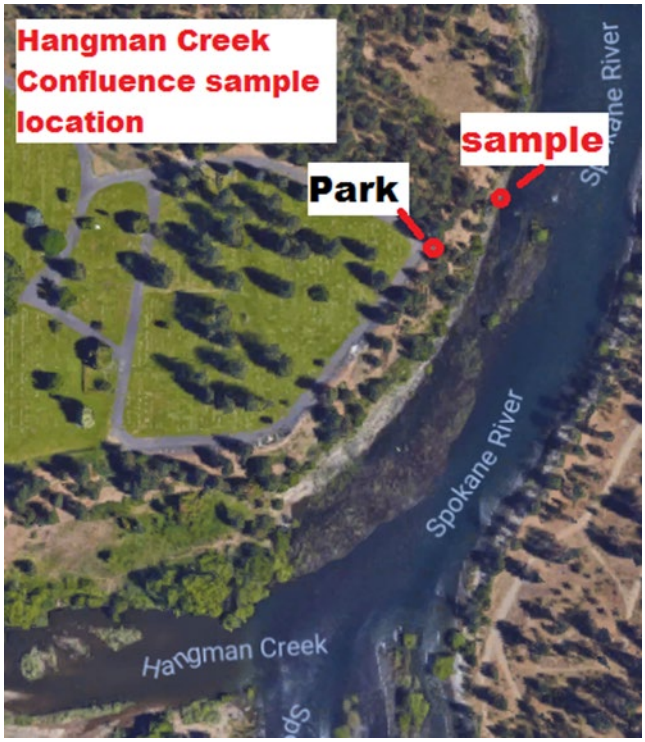
1. Pick dates from the calendar at: https://www.signupgenius.com/go/70a0a44afae2caafe3-spokane
2. Pick up and return transparency tube, Whirl-Paks, and datasheets from 1004 N Summit inside gate to house off driveway (will be in grey tub near or strapped to fence inside the gate).
3. Drive to photo point at corner of Summit and College and take photo of mouth of Hangman Creek.
4. Drive to TJ Meenach and take transparency reading and sample in Whirl-Pak (labeled with location, date and time) of Spokane River (see below for instructions), record data.
5. Drive to the Hangman Creek Confluence at Riverside Memorial Cemetery, take transparency reading and sample in Whirl-Pak (labeled with location, date and time) of Spokane River (see below for instructions), record data.
6. Drive to Peoples Park and take transparency reading and sample in Whirl-Pak (labeled with location, date and time) of Spokane River (see below for instructions), record data
7. Drive to 11th Street Bridge in High Bridge Park and take transparency reading and sample in Whirl-Pak (labeled with location, date and time) of Spokane River (see below for instructions), record data.
8. Enter data at https://spokanefallstu.org/spokane-river-sediment-study/ and place completed data sheets in tub.
9. Return turbidity tube and equipment to 1004 N Summit. Place samples in cooler.



Where: Four sample stations

Park at the points identified on above map:

1. Above confluence with Hangman Creek in the Spokane River – Sandifur Bridge parking area – walk to the bank of the river above bridge
2. 11th Street Bridge - Hangman Creek – sample from bridge
3. Hangman Creek Confluence - park in the east end of the Memorial Park cemetery – walk to the riverbank below confluence.
4. In main stem of Spokane River at TJ Meenach Bridge (parking area below bridge) – park at gate if closed – walk to the river and sample under the willows



How: The task is to collect flow transparency data, water sample and a photo data at four points along the Spokane River.

Read water Transparency:

- Take sample of water and transfer to transparency tube until secchi (black and white) disc at bottom is no longer visible or tube is full.
- Release the stopcock at the bottom of tube until you can faintly see the secchi disc. Record >60 cm if disc is visible when tube is full.
- Record the level of the water in centimeters, along with the date, time and flow
    a. Log results on paper form AND online form:
    b. https://spokanefallstu.org/spokane-river-sediment-study/

Figure 1. Releasing water until Secchi disc is faintly visible at bottom of tube.

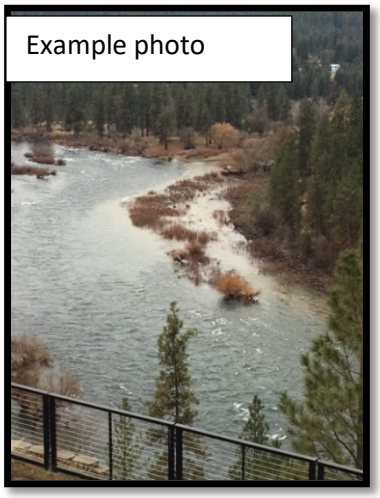
Take Water Sample for Riverkeeper to Analyze in Lab:

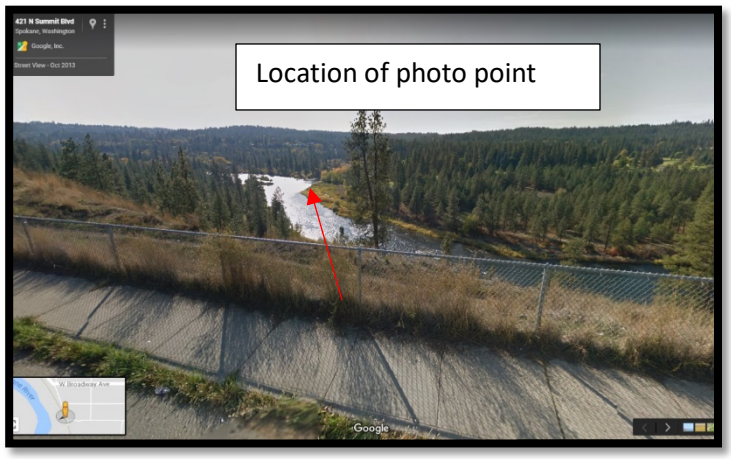
- Label Whirl-Pak with location, date, and time.
- Fill Whirl-Pak up to 100mL fill line with sample water from location (it's ok to use water from transparency tube).
- Close the Whirl-Pak by holding the yellow wire ends, whirl the bag 3 complete revolutions to form a leak-proof seal. (whirling the bag will create the tightest seal)
- Twist yellow ends together like a twist tie on a plastic vegetable bag.

Volunteers should log flow data from USGS gage at Spokane for:

c. Spokane River https://waterdata.usgs.gov/nwis/uv?site_no=12422500
d. Hangman Creek: https://waterdata.usgs.gov/nwis/uv?site_no=12424000

Take a photo at photo point: North Summit Street and W. College – find the Green Zip Ties on the fence. Frame Photos this way for constancy… that way we can to a time lapse at the end of the study.





Important Contacts (call Jerry/Jule if problems arise)

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