

Bacteria sampling at the Prince Greenway-2005

Equipment:

Two buckets
Minisonde
Flow meter
Small pH meter
Turbidity meter
Sample bottle (bring 1 extra)
2 Lab slips per sample (bring extra)
disposable gloves
pencils, datasheet
sharpie permanent pen

Sample site

Location is at turnaround underneath the pedestrian bridge behind the Vineyard Creek Hotel. Samples were taken during previous years at this same location.

Methods

Water quality.

- Minisonde: Record temperature, pH, turbidity, DO in mg/L and %, and specific conductivity (spC).
- Flow meter: Record velocity.
- PH meter: Record pH.
- Turbidity meter: Record turbidity.

Note any unusual conditions, presence of encampments, dogs, birds, etc.

Bacteria:

Sample should be taken in 10-24 inches water depth, with the sample ideally taken approximately 6 inches below the surface, but a few inches above the substrate. Use the sampler pole if you are unable to reach the proper depth.

Remove the cap and place the bottle upside down in the water to collect the sample. Fill the bottle completely (approximately 100 mL). Replace cap. Dry outside of bottle and mark with sharpie pen: City of Santa Rosa, PMG, <date>.

Place sample on ice. Bring to Sonoma County Public Health Laboratory at 3313 Chanate Road, tel. 565-4711 (next to the hospital).

Fill out two lab slips for the sample.

1. Collected by: _____
Sampling Point: Prince Greenway on Santa Rosa Creek
Name: Sheri Emerson, Santa Rosa Public Works Department
Mailing Address: 69 Stony Circle, Santa Rosa, CA 95401
Source: Stream
Test Requested: Colilert Quantitray 2000, diluted 1:100
Date Collected: _____
Time: _____
Contact Phone Number: 707-543-4225

2. Collected by: _____
Sampling Point: Prince Greenway on Santa Rosa Creek
Name: Sheri Emerson, Santa Rosa Public Works Department
Mailing Address: 69 Stony Circle, Santa Rosa, CA 95401
Source: Stream
Test Requested: Fecal Coliform, diluted 1:100
Date Collected: _____
Time: _____
Contact Phone Number: 707-543-4225

1:100 dilution will detect bacteria levels of <100 to 241,920. Our past readings at Prince have been within this range.