



Physical and chemical analysis

Site Name: Swan Lake Overflow

Persons Monitoring: Steve Martin, Susie Goodrich

Date and time of Monitoring: 13/10/21 16:15

Parameter	Calibrated	Reading	Comments
Ammonium		— Mg/L	
Dissolved Oxygen		> 10 Mg/L	
Temperature (WATER)		18 °C	
Temperature (AIR)		18 °C	
pH		(7.0) Unit	Measurement suspect due to calibration problem (see below)
Electrical Conductivity		3660 µS/cm	
Reactive Phosphate		0.03 Mg/L 0.10	
Turbidity		< 10 NTU	

Comments/Observations

Problem calibrating pH meter - pH 4 buffer solution reading as 7.0 and sample measurement also 7.0. Suspect problem with buffer solution?

Swan Lake overflow

Waterway Information

Weather:

- ☐ Sunny ☒ Overcast ☐ Windy
☐ Cloudy ☒ Rainy

Rainfall:

- ☐ More Than a week ago ☐ During the last 24 hours
☒ During the last week ☐ Raining now
Amount of rain: 14.0 mm

Water flow:

- ☐ FLOOD/OVERBANK: Flow is high and water level has exceeded bank capacity and is connecting with floodplain
☐ BANK FULL: High flow within channel capacity and in-stream habitats connected
☐ HIGH: Less than bank full and in-stream habitats connected
☐ MEDIUM: Flow is normal/typical average flow
☐ LOW: Minimum flow in channel/continuous flow in some part of channel (in-stream habitats connected)
☐ DRY: No continuous flow in channel and no pools
☐ POOLS: No continuous flow in channel and intermittent pools (in-stream habitats not connected)
☒ STAGNANT: no continuous flow in channel but channel continuous (in-stream habitats connected)
☒ PERMANENT: Wetlands and lakes

Water Appearance:

- ☐ Clear ☐ Muddy
☐ Scummy ☐ Milky
☐ Smelly ☐ Oily
☐ Foamy/ Frothy ☒ Stained green
☐ Stained brown ☐ Other (Description)

A bit cloudier than usual

Stream Depth and Width:

Depth

- ☐ 0-50cm ☒ 51-99cm ☐ 1-2m ☐ >2m ☐ Other

Width

- ☐ <2m ☐ 2-5m ☐ >5m ☐ Unknown ☒ Other

Lake