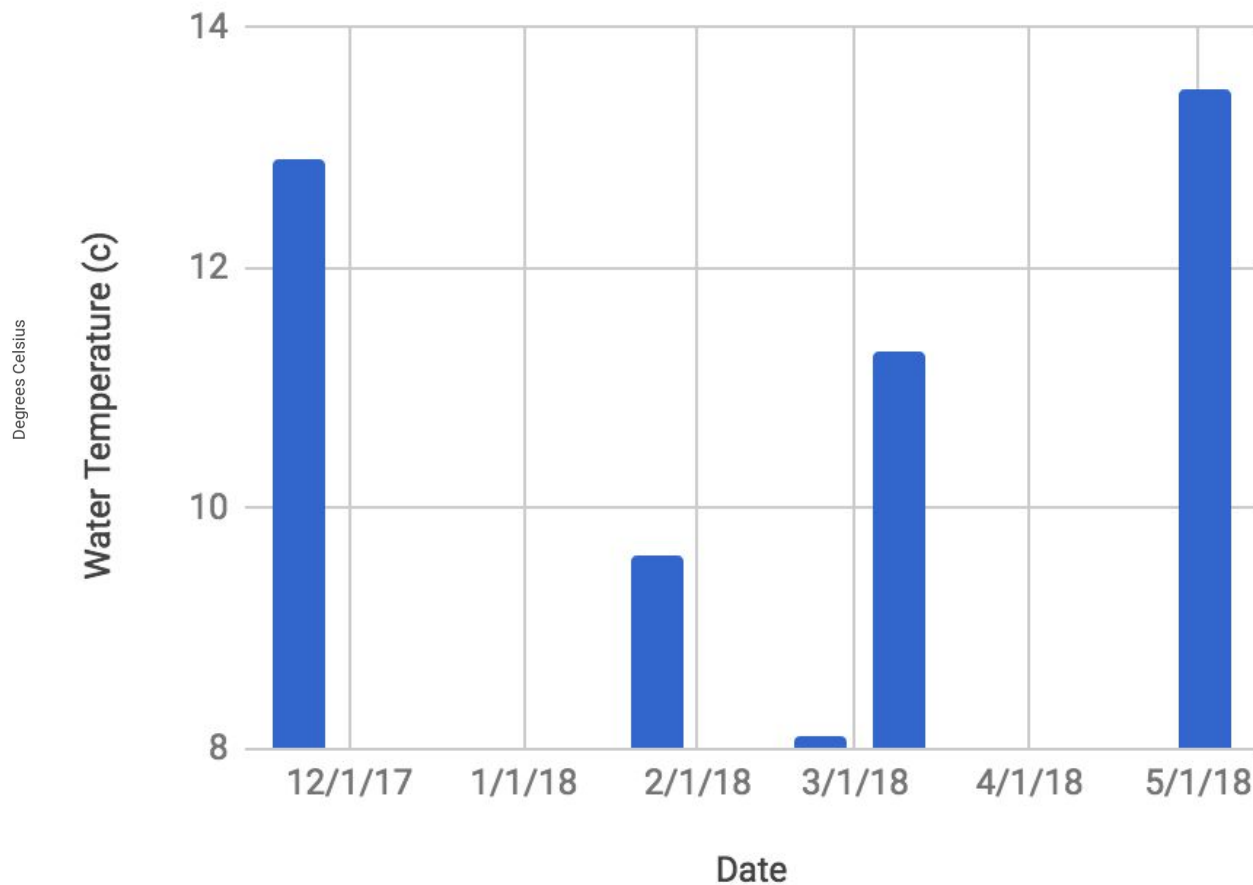


Jasper Slough Water Quality Project

Mrs. Patterson's 7th Grade Science Class
Agnes Stewart Middle School

Water Temperature (c) vs. Date



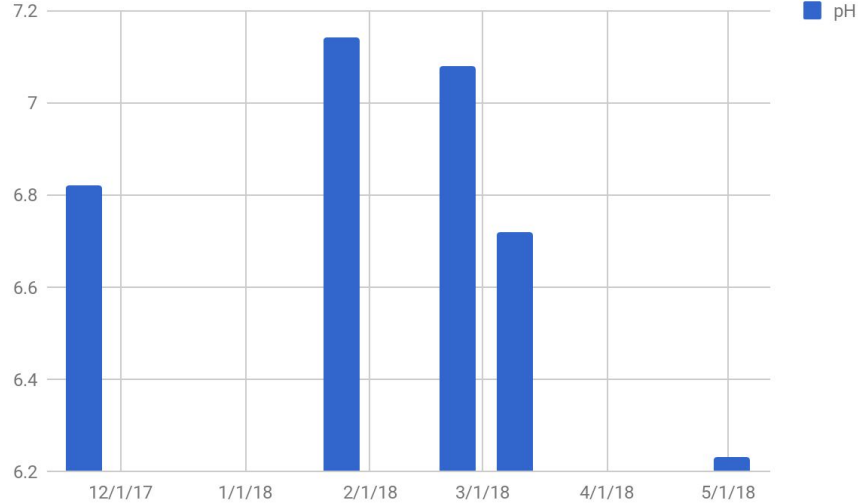
Water Temperature (c)

Acceptable Range:
7.2 - 15.6 C

Did our data meet
the criteria?

The water
temperature of the
Jasper Slough was
within the target range
throughout the year.

pH



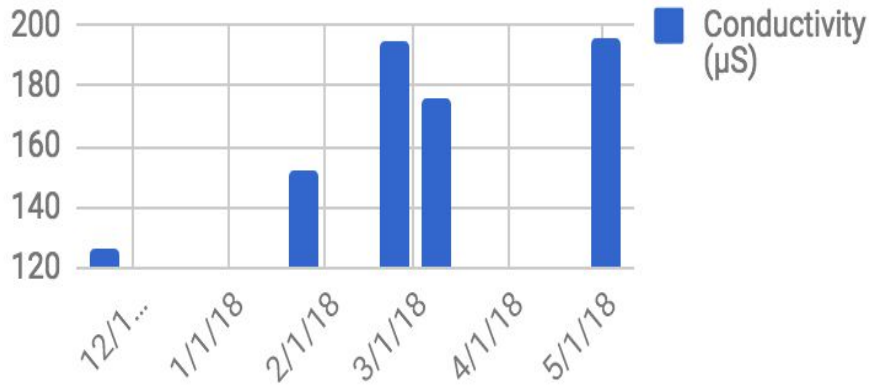
Acceptable Range: 6.5-8.5

Did our data meet the criteria?

Our results were in the acceptable range, so aquatic life can live in the Jasper Slough.

Conductivity ($\mu\text{S}/\text{cm}$)

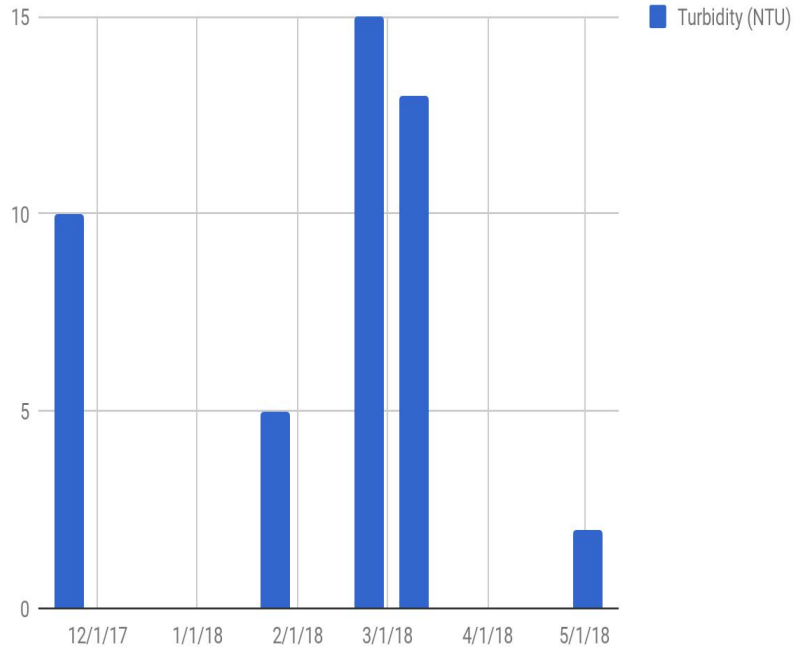
Acceptable Range: <150



Did our data meet the criteria?

Our data met criteria 1 out of the 5 times we measured. Overall conductivity in the Jasper Slough is too high.

Turbidity (NTUs)



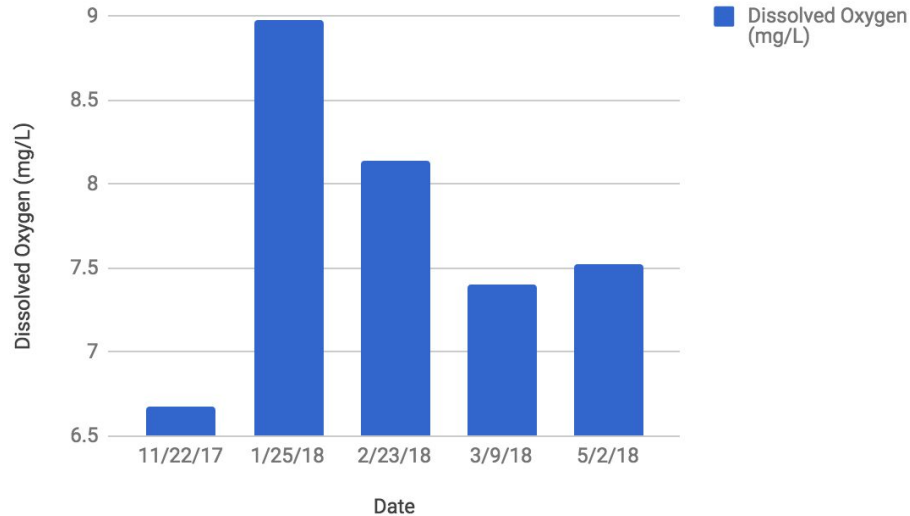
Acceptable Range: <10

Did our data meet the criteria?

Overall the turbidity is too high. It was only below 10 NTU 2 out of the 5 times we measured this parameter.

Dissolved Oxygen (mg/L)

Dissolved Oxygen (mg/L) vs. Date



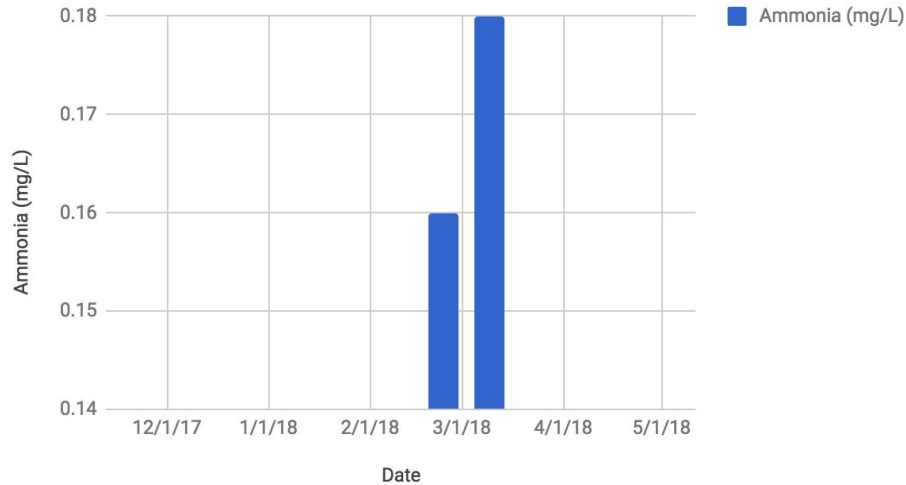
Acceptable Range: ≥ 10 mg/L

Did our data meet the criteria?

**The data did not meet the criteria.
Dissolved Oxygen (DO) is good when it's
equal to or greater than 10. Out of the five
test none of them reached 10.**

Ammonia (mg/L)

Ammonia (mg/L) vs. Date

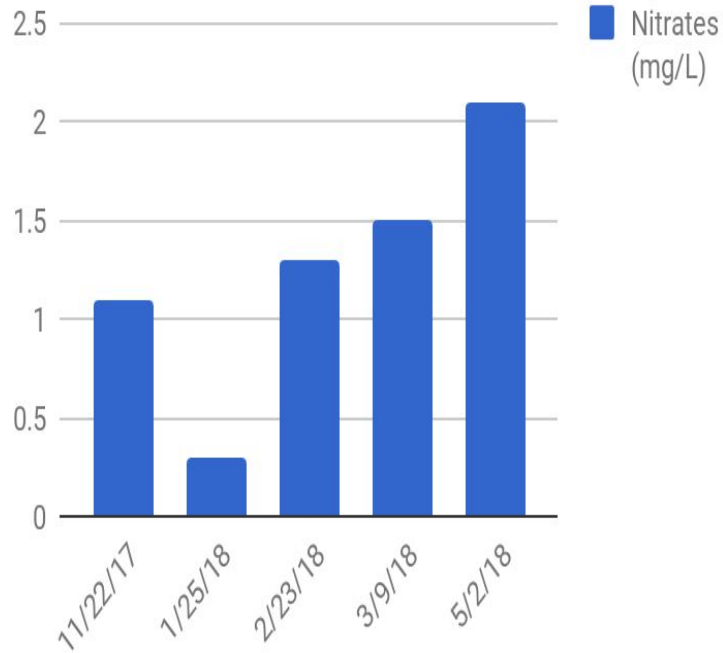


Acceptable Range: 0.1mg/L

Did our data meet the criteria?

No, ammonia was slightly higher than the target all year. It averaged between 0.14 - 0.18 mg/L which is higher than the acceptable range of 0.1mg/L.

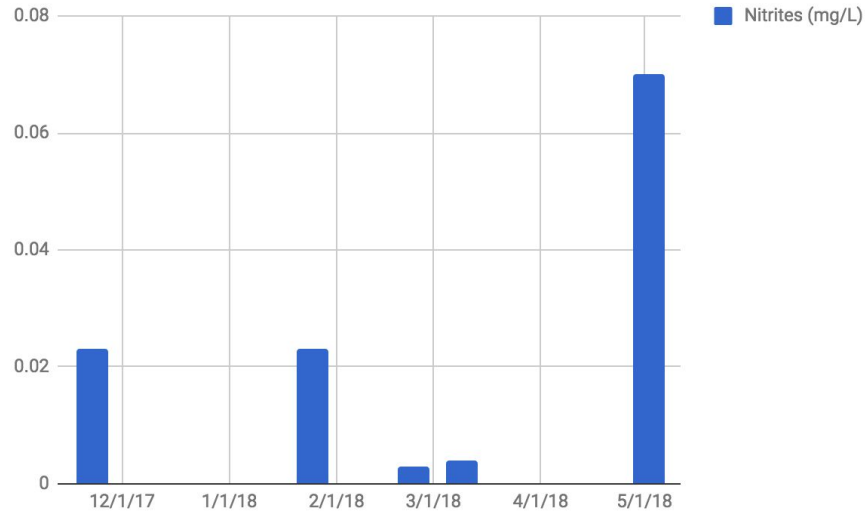
Nitrates (mg/L)



Acceptable Range: >10 mg/L

Our data did meet the criteria because all of our results were less than 10 mg/L

Nitrites



Acceptable Range: 0.1mg/L

Did our data meet the criteria?

Our tests show that nitrites are acceptable because none were above 0.1 mg/L.

Phosphates (mg/L)

Acceptable Range: 0.1 mg/L

Did our data meet the criteria?

No, the phosphates level is too high which will result in too much algae, which leads to not enough oxygen for water life.

