Comparing Surface Temperatures at I.C. School and Whitehall School

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Problem Statement

Does a big body of water affect the surface temperature of the land near the water? We think the land near a big body of water will be colder than land that isn't near water.

Procedures

1. Collect surface temperature data for I.C.-St. Joes
2. Decided on question
3. Decided on hypothesis
4. Make a graph
5. Compare the data
6. Decide what it means
7. Make a poster

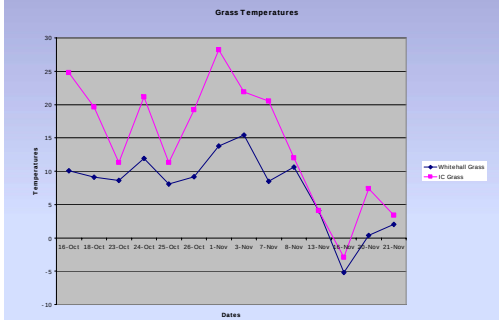
References & Acknowledgments

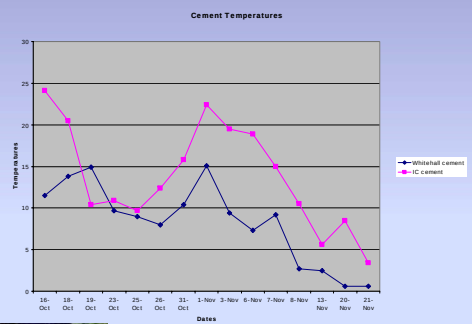
The GLOBE Teacher Guide. 2005. Surface Temperature Protocol.

We used data from Whitehall School in Whitehall, Michigan.

We would like to thank our teachers, Ms. Seavey, our parents, our principal, and the fifth graders for letting us use their football area during recess to gather our data.

Results





Conclusions

We found that Whitehall surface temperature were lower than our for both cement and grass locations. We would say that being near a large body of water does have an effect on the surface temperature of the land near it. Looking at the data we observed that during the first part of the study Whitehall's cement surface temperatures were closer to ours while the grass temperatures were farther apart. Our recommendations would be to study the temperatures in both locations for a full year to determine if this pattern continues.