



The ENSO Field Measurement Campaign Phase III: Water in Our Environment

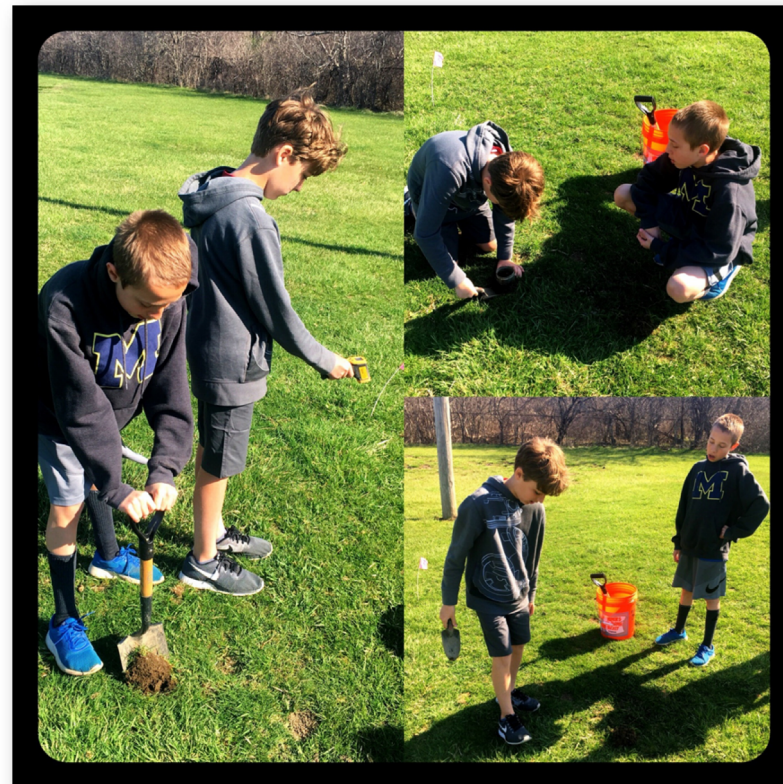
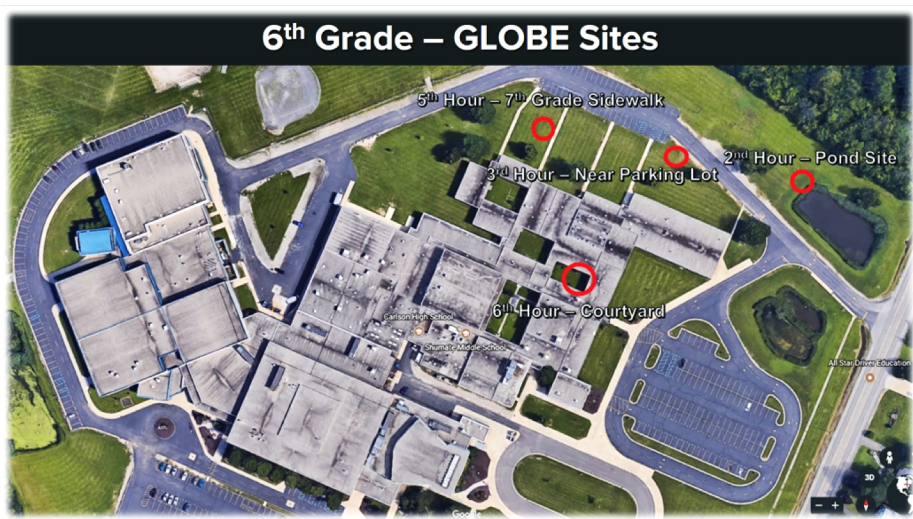
**WEBINAR #8- May 10th, 2018
Greetings from Shumate Middle
School in Gibraltar, Michigan
(United States of America)**

#GettingScienceDone

Shumate Middle School (Gibraltar School District) Gibraltar, Michigan (United States of America)

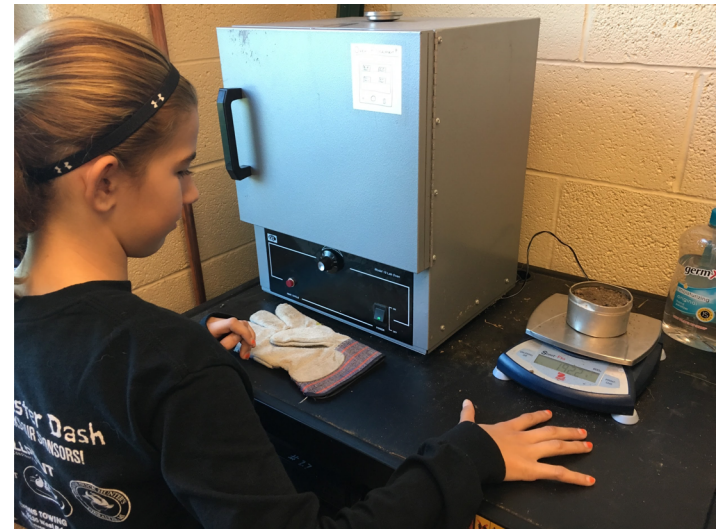


Today's Presenters: Quinn Burgei and Brady Jaskula



Life at Shumate Middle School:

- We have roughly 800 students attending our school.
- Ages 11 - 15.
- Sports:
 - Fall - Football, Cross Country
 - Winter - Basketball, Volleyball, and Wrestling
 - Spring - Baseball, Softball, and Track
- Clubs:
 - Shumate Robotics
 - Anime
 - Bible Club
 - Bowling Club



Environmental Measurements Taken at Shumate:

- Soil Moisture
- Current Temperature
- Soil Temperature
- Surface Temperature
- Clouds
- Precipitation
- Tree Height
- Integrated Hydrology
 - Water Temperature
 - pH
 - Dissolved Oxygen
 - Conductivity
 - Salinity



Water in Our Environment



Water in Our Environment

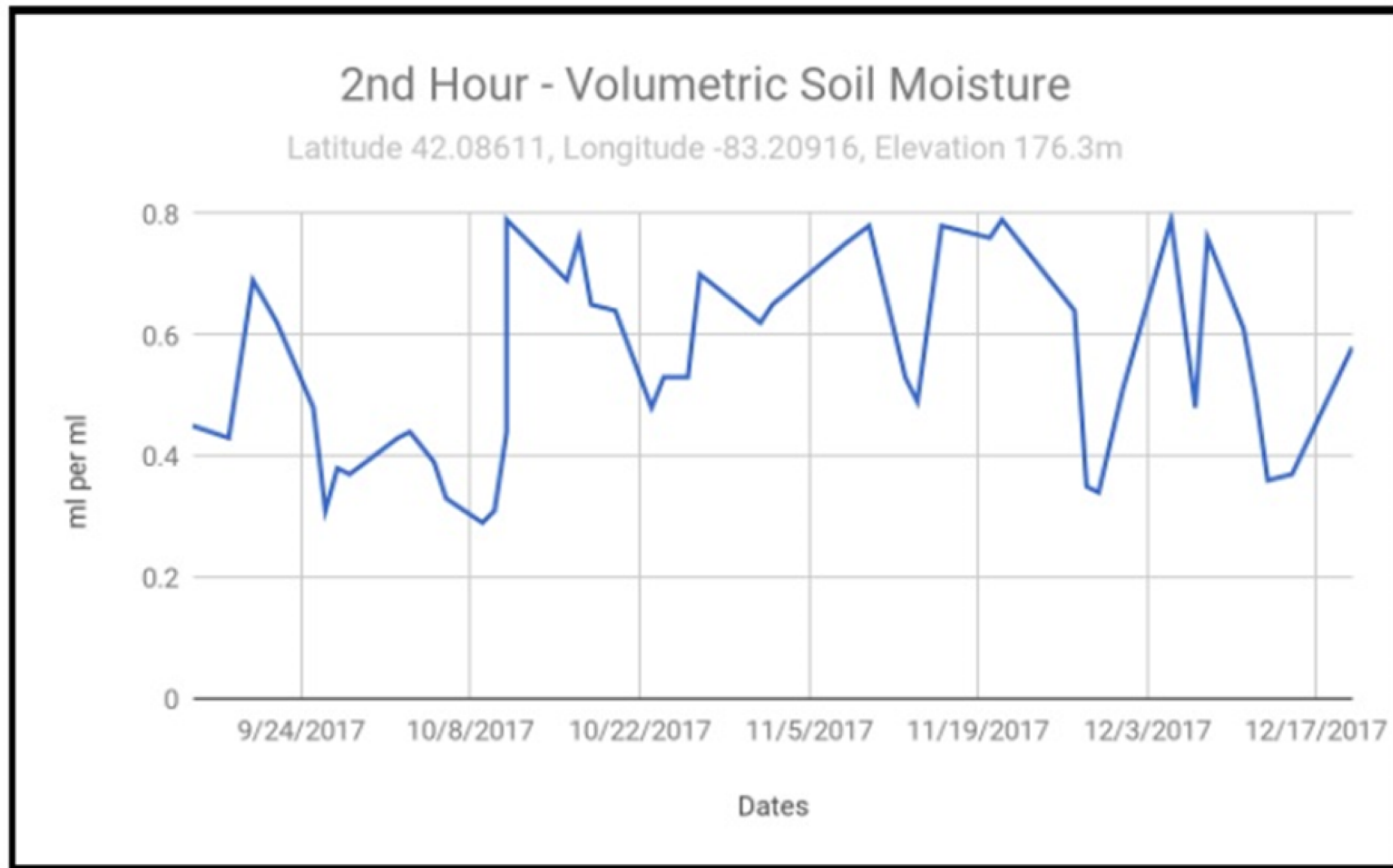


Shumate Middle School - Gibraltar, Michigan (United States of America) - Volumetric SMAP Data Comparison

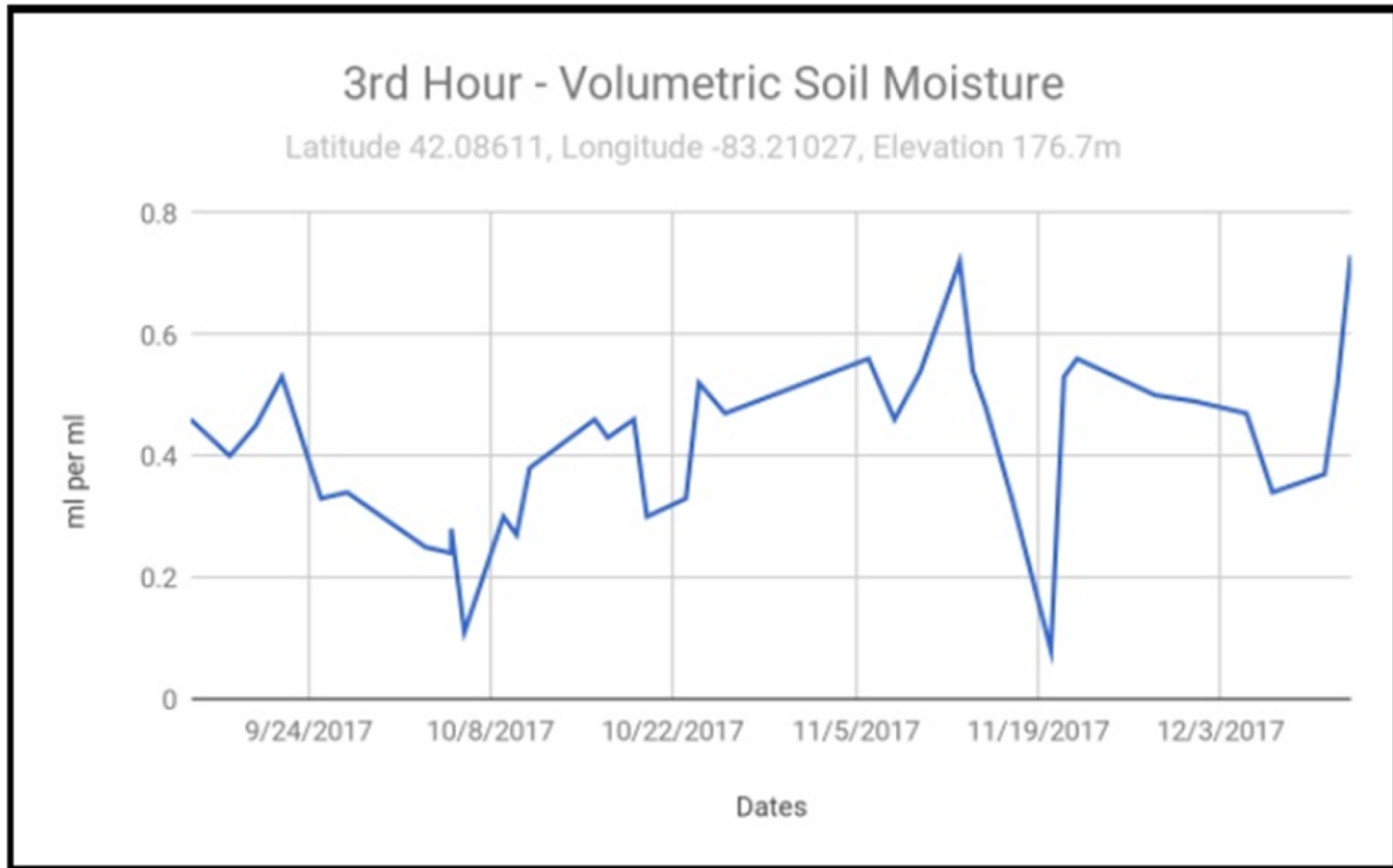
2017 - 2018 School Year

Study Site	Average (ml per ml)	Maximum (ml per ml)	Minimum (ml per ml)	Number of Measurements
2nd Hour	0.55	0.79	0.29	45
3rd Hour	0.42	0.73	0.08	37
5th Hour	0.61	0.80	0.31	56

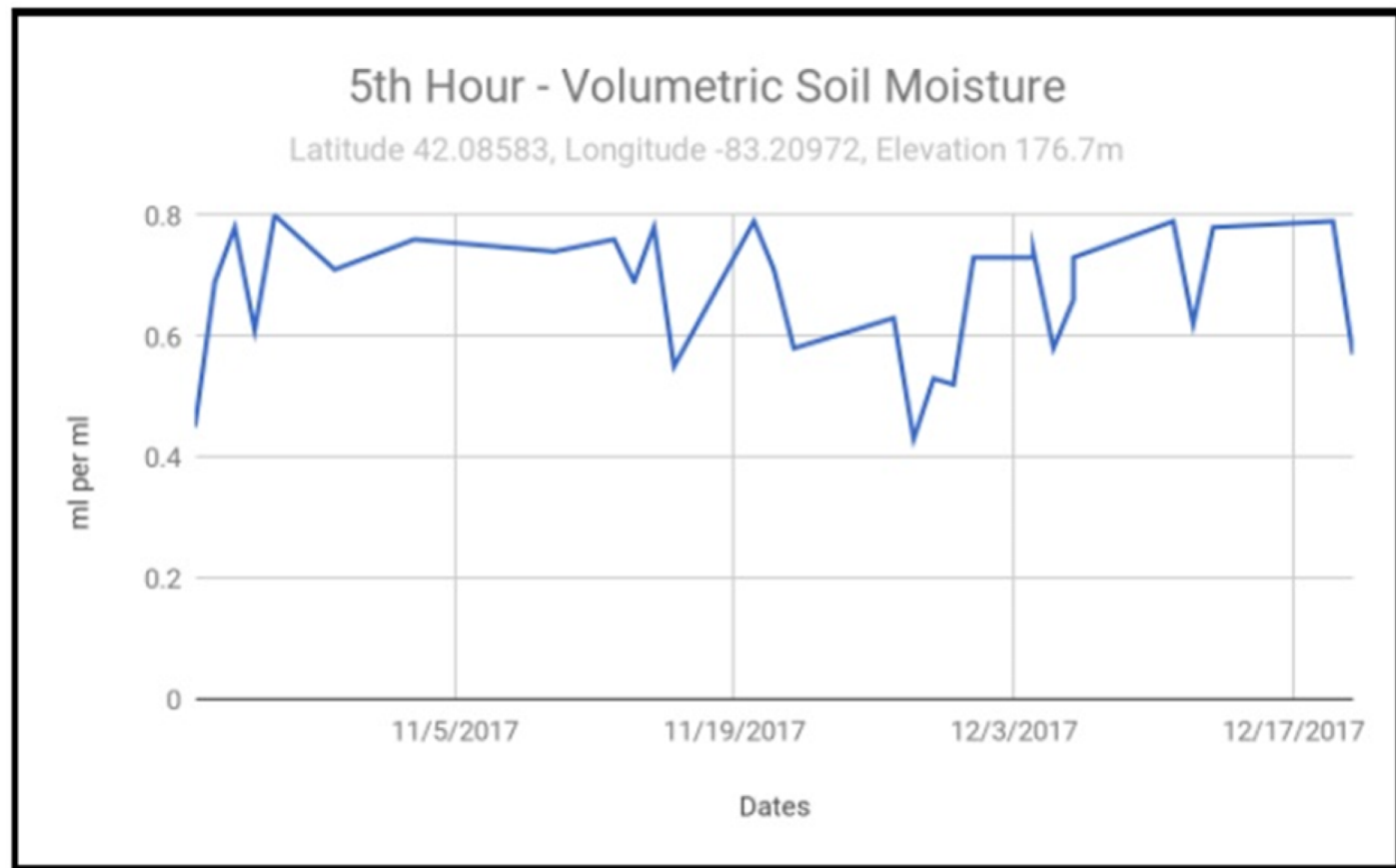
Our Research on Water in Our Environment



Our Research on Water in Our Environment



Our Research on Water in Our Environment



2018 GLOBE IVSS Citizen Scientists Brady, Quinn, Lauren, Kaydin, and Kylie

