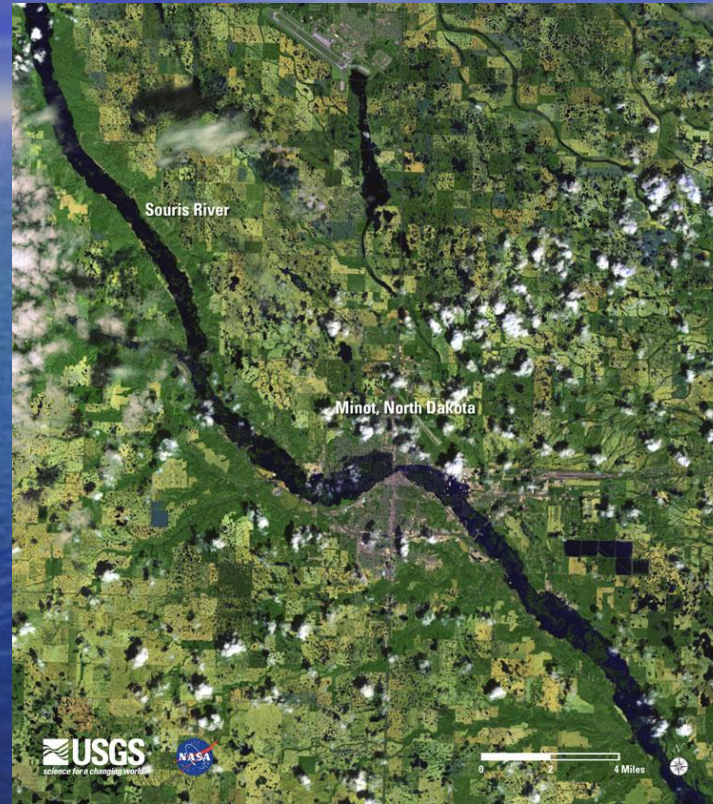


# Minot High School



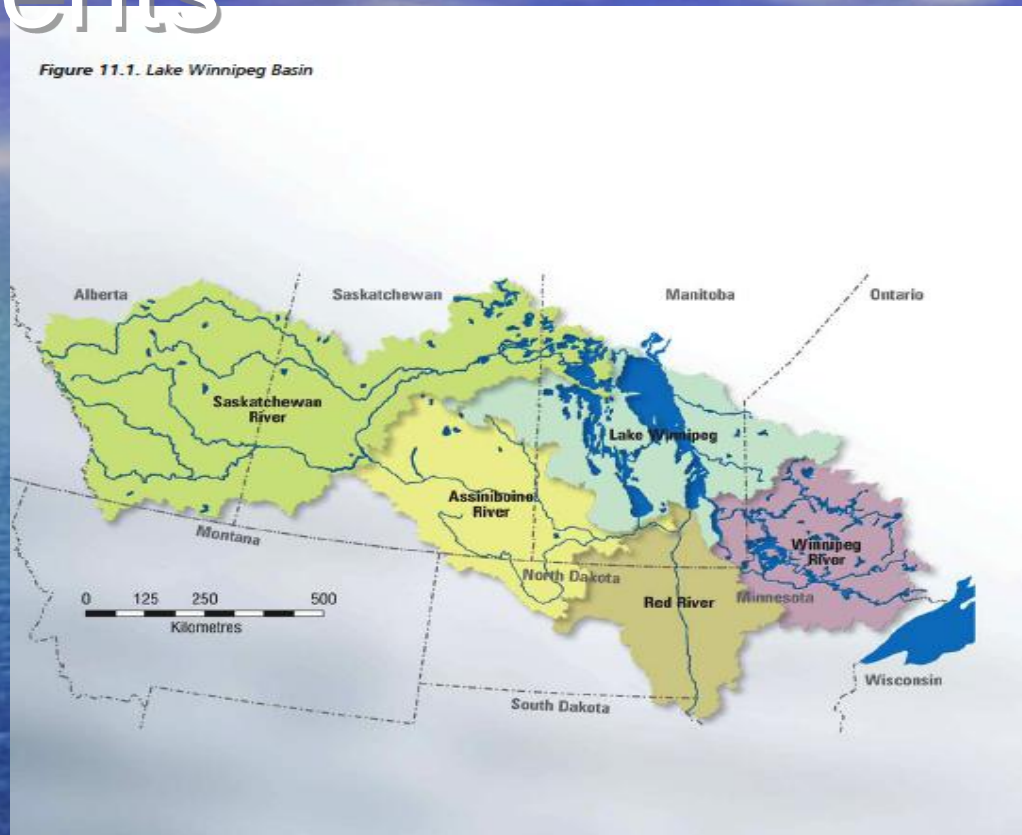
Souris River Watch  
Chyna, Clare, Karl, Tiffany

# Souris River Watershed





# 450 Sophomore Biology Students



- Monitor 2 sites four times per year.
- Students rotate through 3 parameters- Biological, Chemical, and Physical

# Minot Down Town Sampling Sites

Main Stream  
site



QuickTime™ and a  
decompressor

are need

picture.

Dead channel  
site

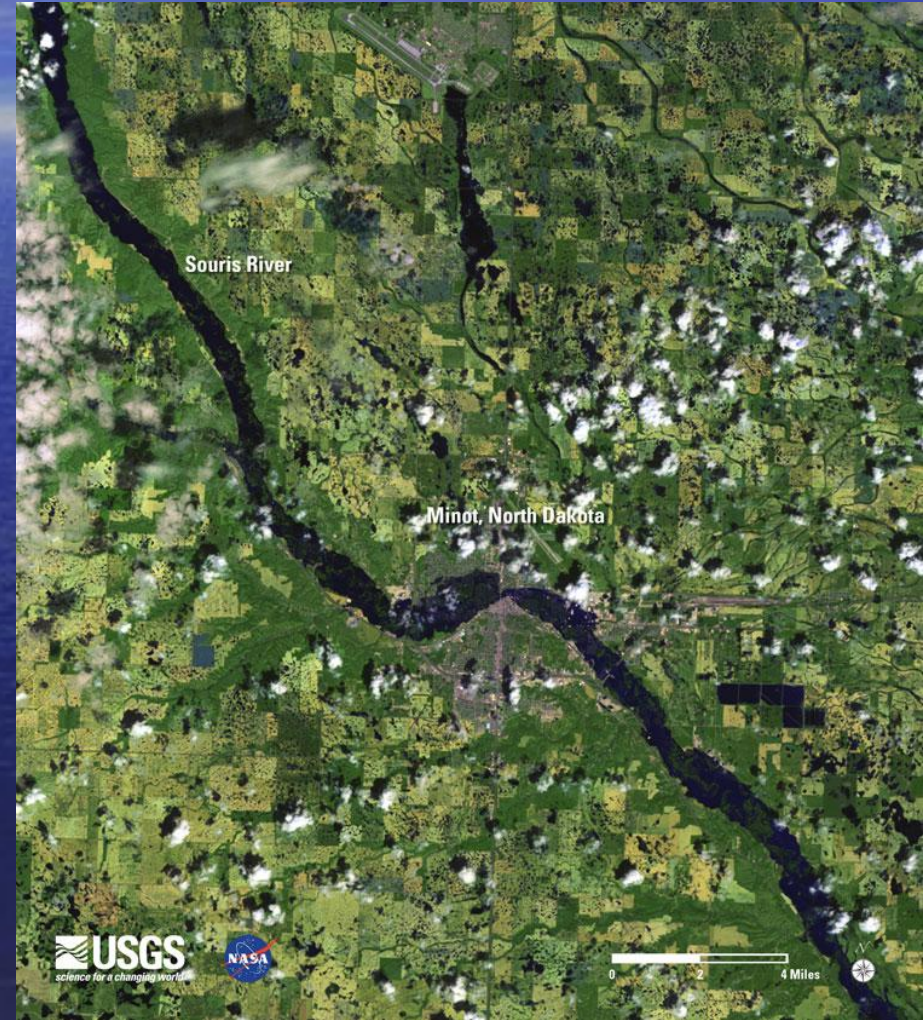
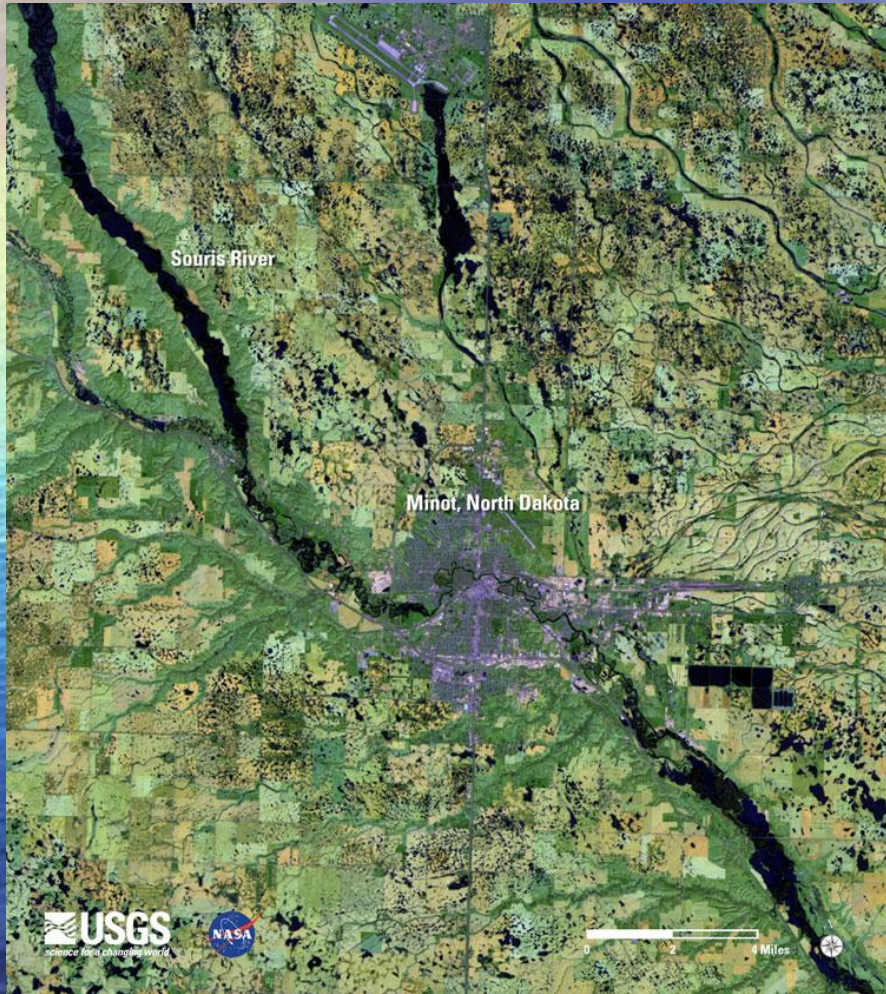


Minot  
High School





# 2011 1/500 years flood event





# Chemical Parameters

QuickTime™ and a decompressor are needed to see this picture.

QuickTime™ and a decompressor are needed to see this picture.



YSI 650 Multiprobe

# Chemical Results

- No significant changes possibly due to methods





# Chemical Suggested Future Studies

- Testing needs to be more than grab sample.
- Deploying probe for 24 hour with 15 minute sampling would be helpful.
- Protocol for deployment needed.



# Biological





# Biology Macro Invertebrate

- Conclusion: Post flood plant and animals seem missing.
- Future Studies: Protocol needs to be standardized

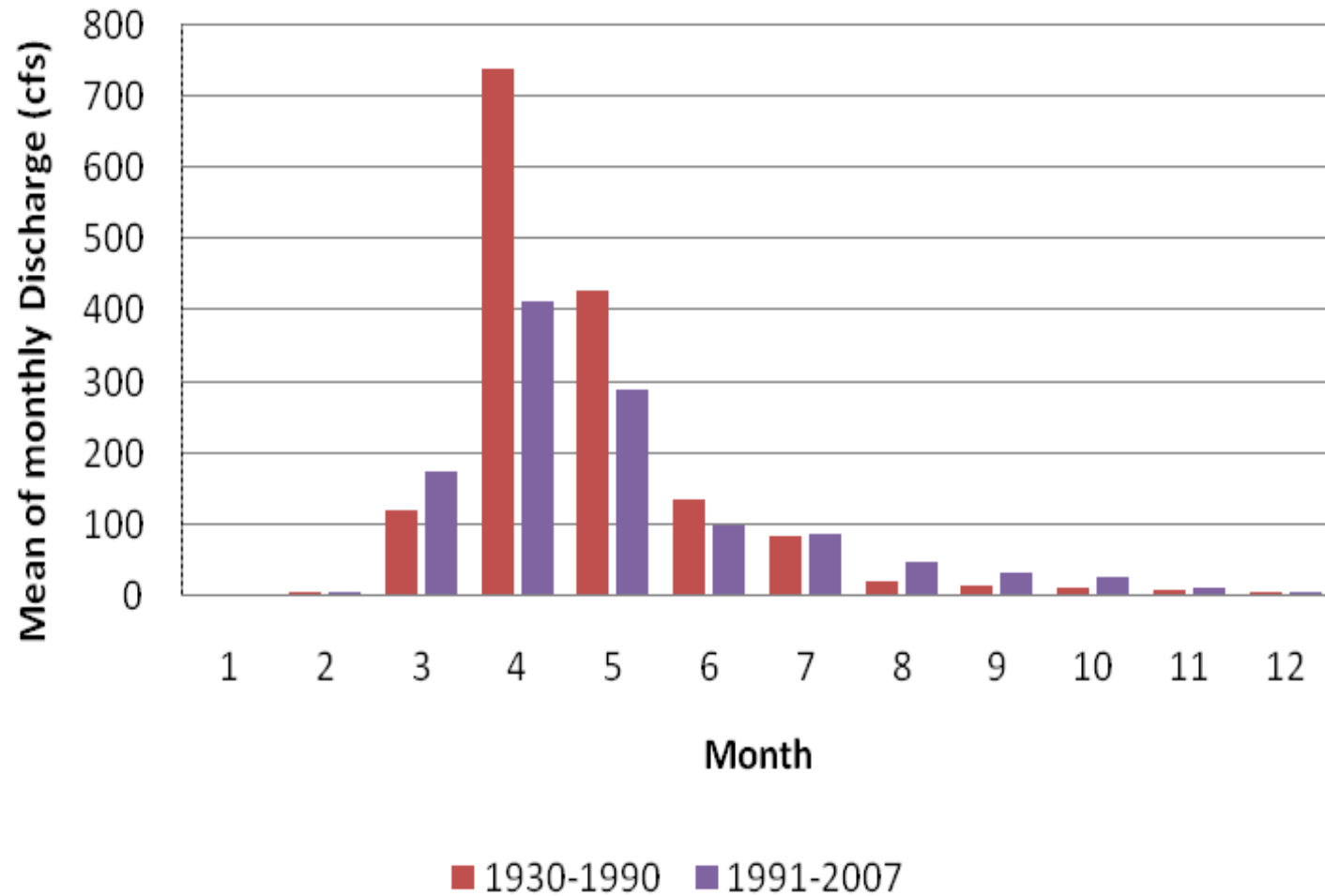




# Physical Testing

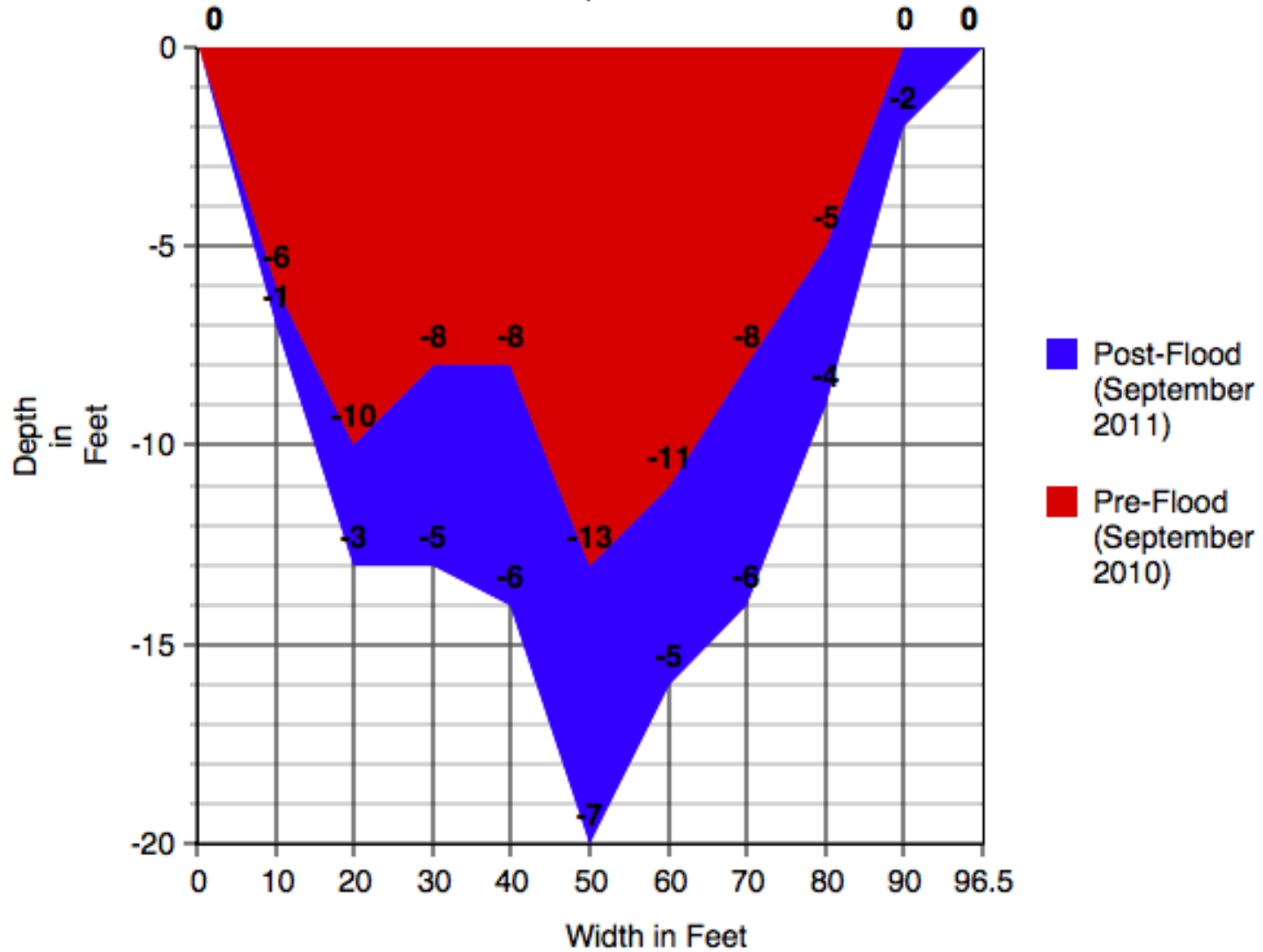


# Results: Impoundments removed scouring spring flows





### Souris River Depth in Minot, North Dakota



# Physical Testing

- Conclusion: Sediment has moved
- Future Studies: testing sediment organic vs. inorganic and comparing to previous study



Thank you for your attention!  
**Questions?**

