



Clean Rivers Program MCWE Updates

Nicky Vermeersch, M.S.



Outline



New
Partner



Low
Flows



Total Algae
Sensor



In-House
E. coli Testing



Welcome Hays County!

- Primary funder of CRP monitoring activities, Meadows staff time and equipment
- To be added to updated QAPP
- Jonas Rosenthal – Watershed Coordinator for the Cypress Creek Watershed
 - Will be taking on the role as a lead sampler

Low Flows

Low Flows

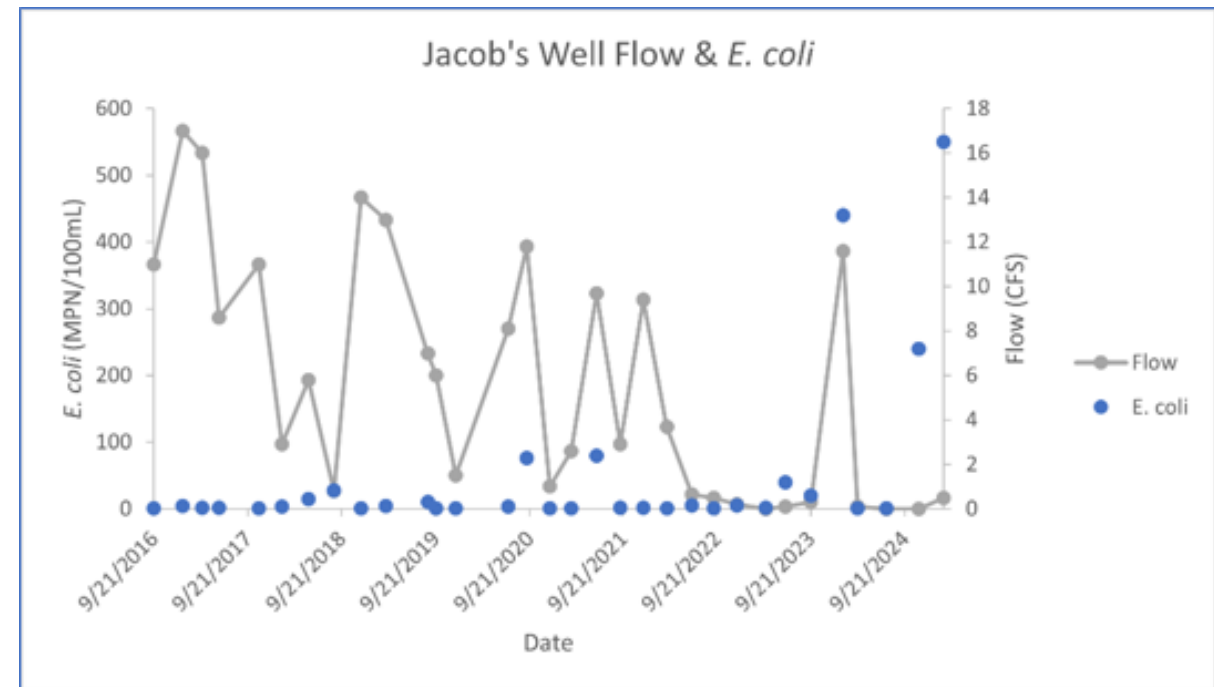
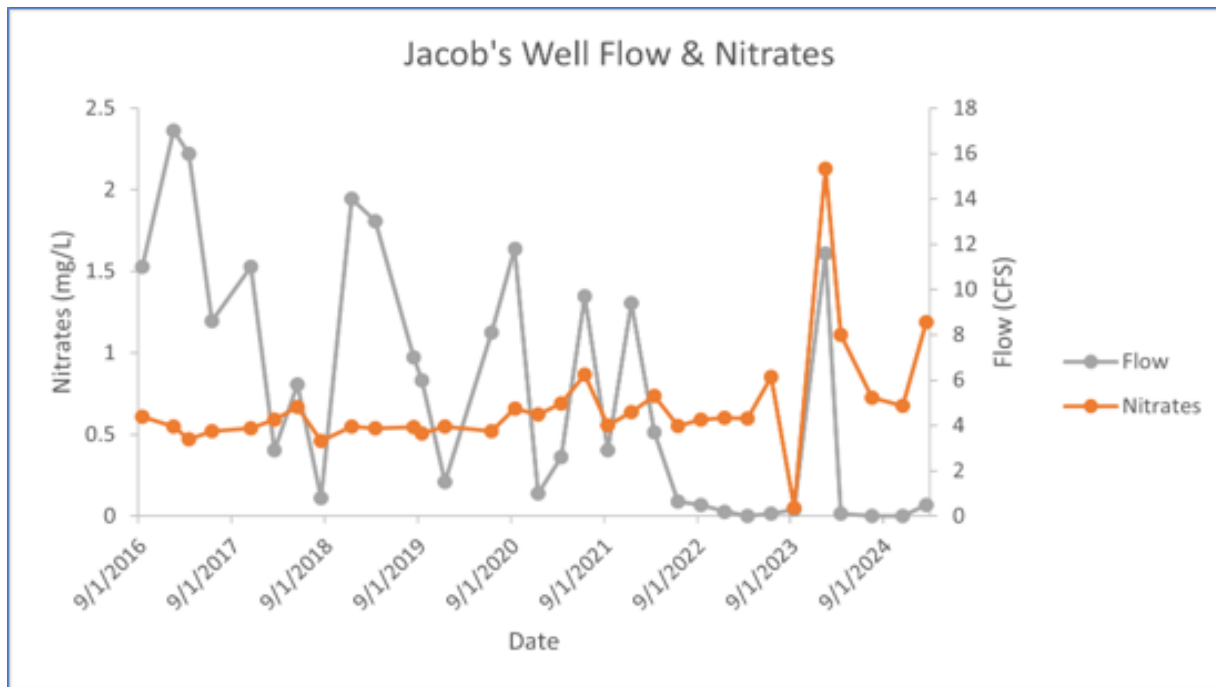


Site 12677: Cypress Creek at Jacob's Well (2.13.25)



Site 12668: Blanco River at FM165 (12.4.24)

Jacob's Well: Site 12677



Algae

Increased Algae Blooms

Wastewater
Discharge

Low Flows

Concerns for
increased
algae



Site 12668: Blanco River at FM165



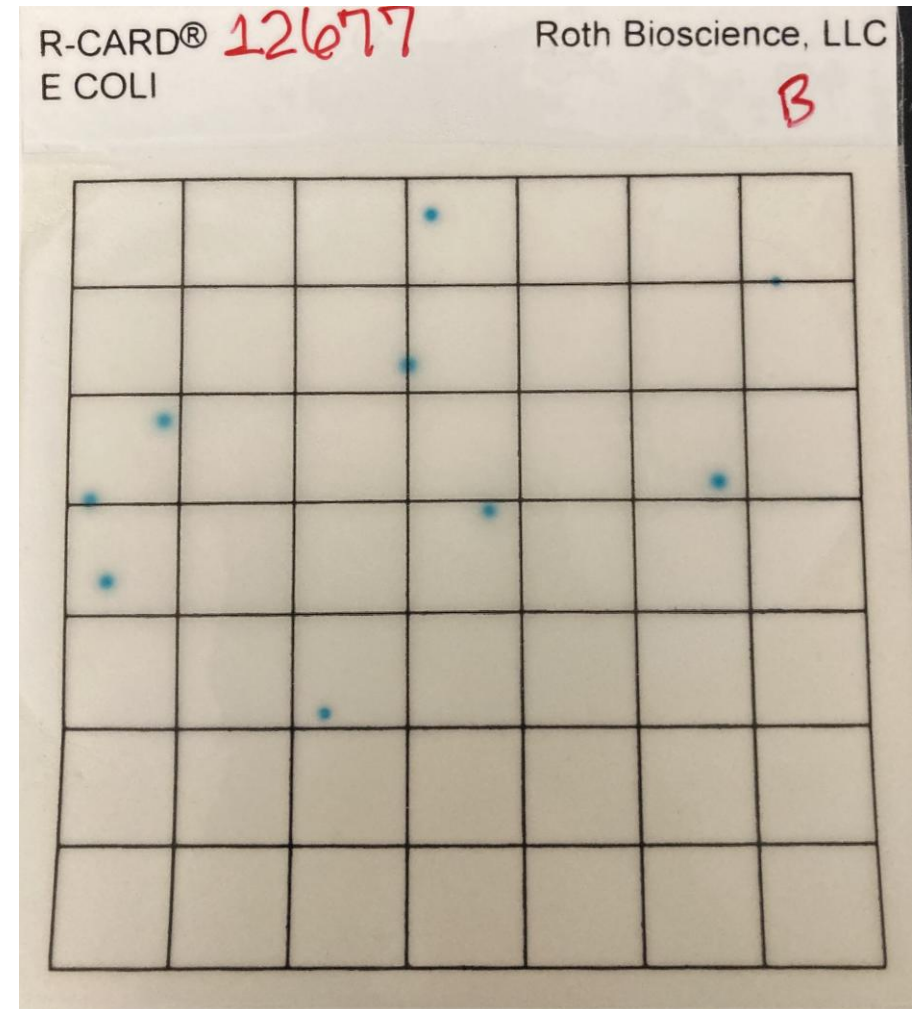
Total Algae Sensor

- Incorporated as an optional sensor on YSI EXO1 sonde
- Allows for timely detection and early response
- Signals the need to pull wastewater discharge data
- Reports chlorophyll intensity in Relative Fluorescence Units (RFUs)

Bacteria

R-CARD

- State approved bacteria methods: IDEXX and Coliscan EasyGel
- New method: R-CARD
- Conducting R-CARD testing side by side with IDEXX and Coliscan EasyGel
- Pros:
 - Cost effective
 - Easier to read
 - Shorter incubation time





Remaining Questions

- How does RCARD data compare to IDEXX and Coliscan?
- In what cases are dilutions necessary?
- Is filtration necessary for turbid water?
- How does RCARD behave temporarily?

Thank You!

Contact Information

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