

Updating the TCEQ TMDL Implementation Plan for

- Waller,
- Walnut,
- Taylor Slough South, and
- Spicewood Trib of Shoal

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**This is not my beautiful creek!
You may ask yourself:
How did we get here?**



**Water quality monitoring data
submitted to the State**



**If data indicates impairment, then the
stream is placed on the "303(d)* list"**

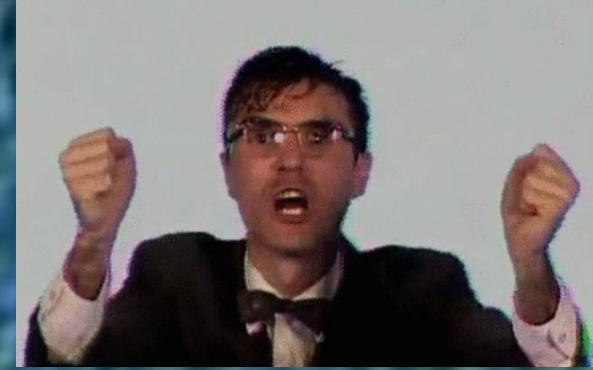


State develops a TMDL
an Implementation Plan
aka "IPlan"**

* Clean Water Act Section 303(d)
requires states to regularly identify water bodies
that do not meet water quality standards

** TMDL (Total Maximum Daily Load): a program to
analyze data with goal to resolve issue

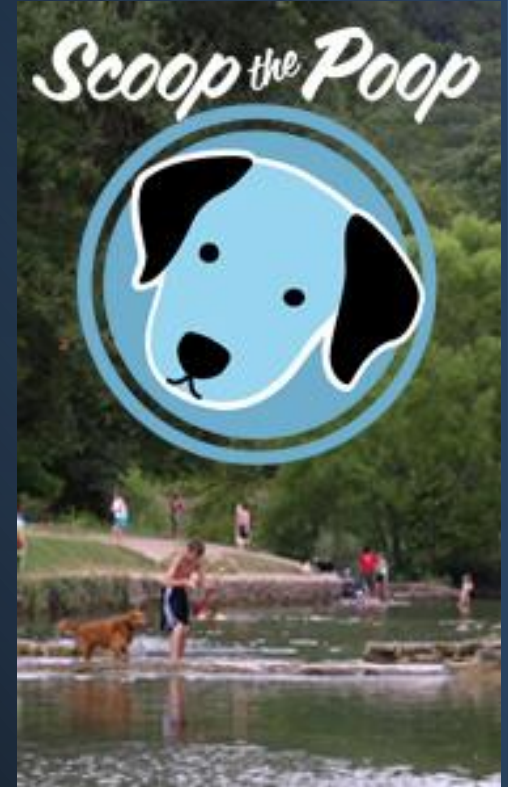
You may ask yourself: My God, what's an IPLAN?



- **A set of strategies to achieve the goal of pollution reduction outlined in the TMDL**
- **Facilitated by TCEQ staff**
- **Developed by stakeholders**
- **5year implementation period (+ revisions)**

An I-plan outlines:

- What the community will do over the next five years
- Who will do it
- When they will do it
- How we will gauge improvement



Currently there are 5 Austin watersheds with IPlans (due to bacteria impairment)

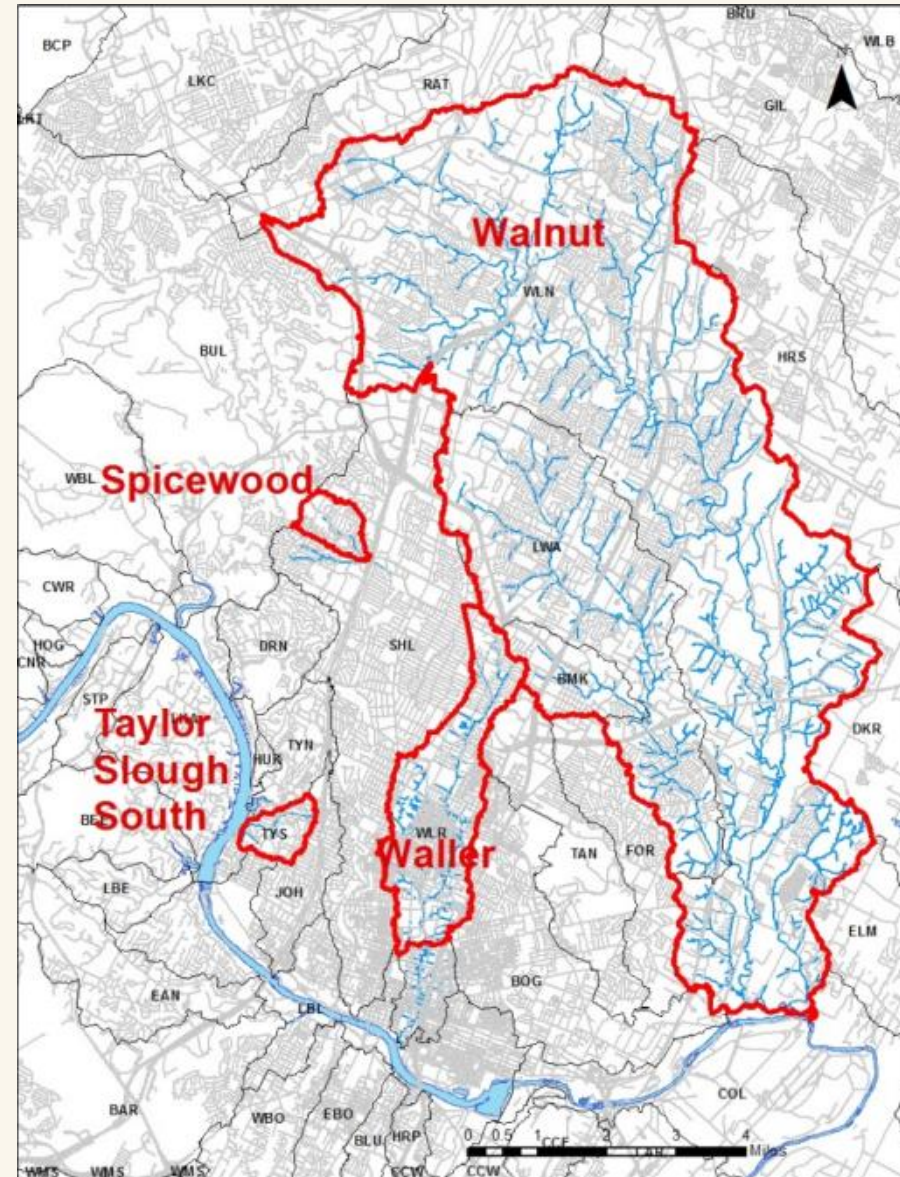
- ✓ Gilleland IPlan approved in 2011, revised 2017
 - ⚠ Waller
 - ⚠ Walnut
 - ⚠ Taylor Slough South
 - ⚠ Spicewood Trib of Shoal
- IPlan for 4 urban watersheds
approved in 2015,
expired* in 2020,
now require revision

*IPlans have 5-year approval periods after which they are reviewed and revised (if necessary)

The 2015-2020 IPlan for 4 Austin urban creeks

5 primary voluntary strategies

- Protect and restore riparian areas
- Maintain wastewater infrastructure – includes OSSF, adding public toilets
- Improve domestic pet waste management
- Education/ public outreach to engage citizens
- Improve management of stormwater



MS4 Permit & Stormwater Management Program (SWMP)

- Population triggered regulatory permit designed to reduce pollutant discharges into city stormwater conveyances.
- Develop and implement a plan and submit accomplishments to the TCEQ annually
- Periodic audits by TCEQ or EPA



Measures to reduce stormwater pollution

aka Minimum Control Measures (MCMs)

1. MS4 Maintenance Activities
2. Post-Construction Storm Water Control Measures
3. Illicit Discharge Detection and Elimination
4. Pollution Prevention/Good Housekeeping for Municipal Operations
5. Industrial and High Risk Runoff
6. Construction Site Storm Water Runoff
7. Public Education and Involvement
8. Monitoring Programs

I thought we were talking about I-plans?



TMDL measures (previously *voluntary*) are now required to be included in the SWMP making them *regulatory measures*.



**What does the data show from the
past 5 years of IPlan implementation?**

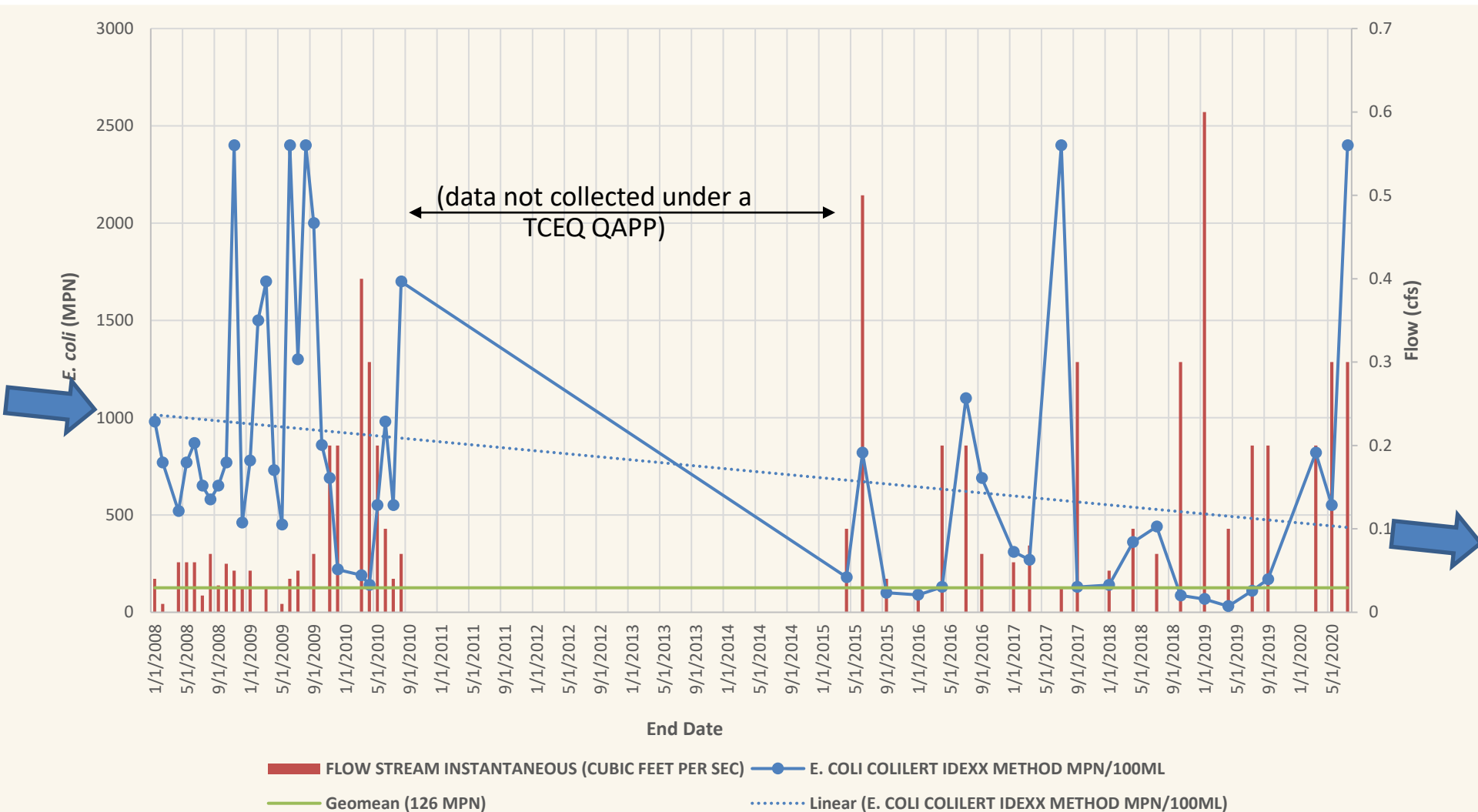
Improvement!



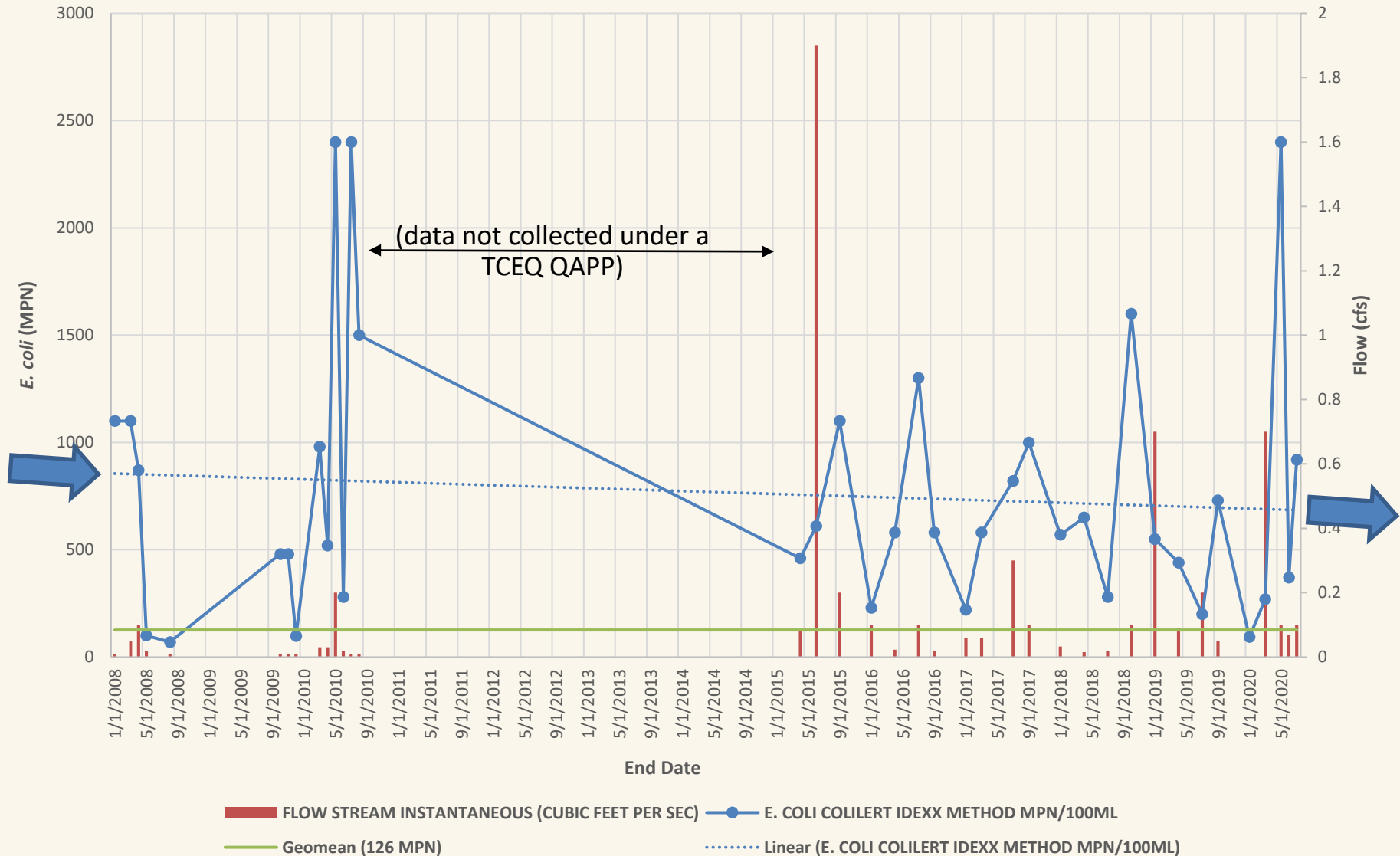
4 out of 5 stream segments are trending
in the right direction!

(not same as it ever was!)

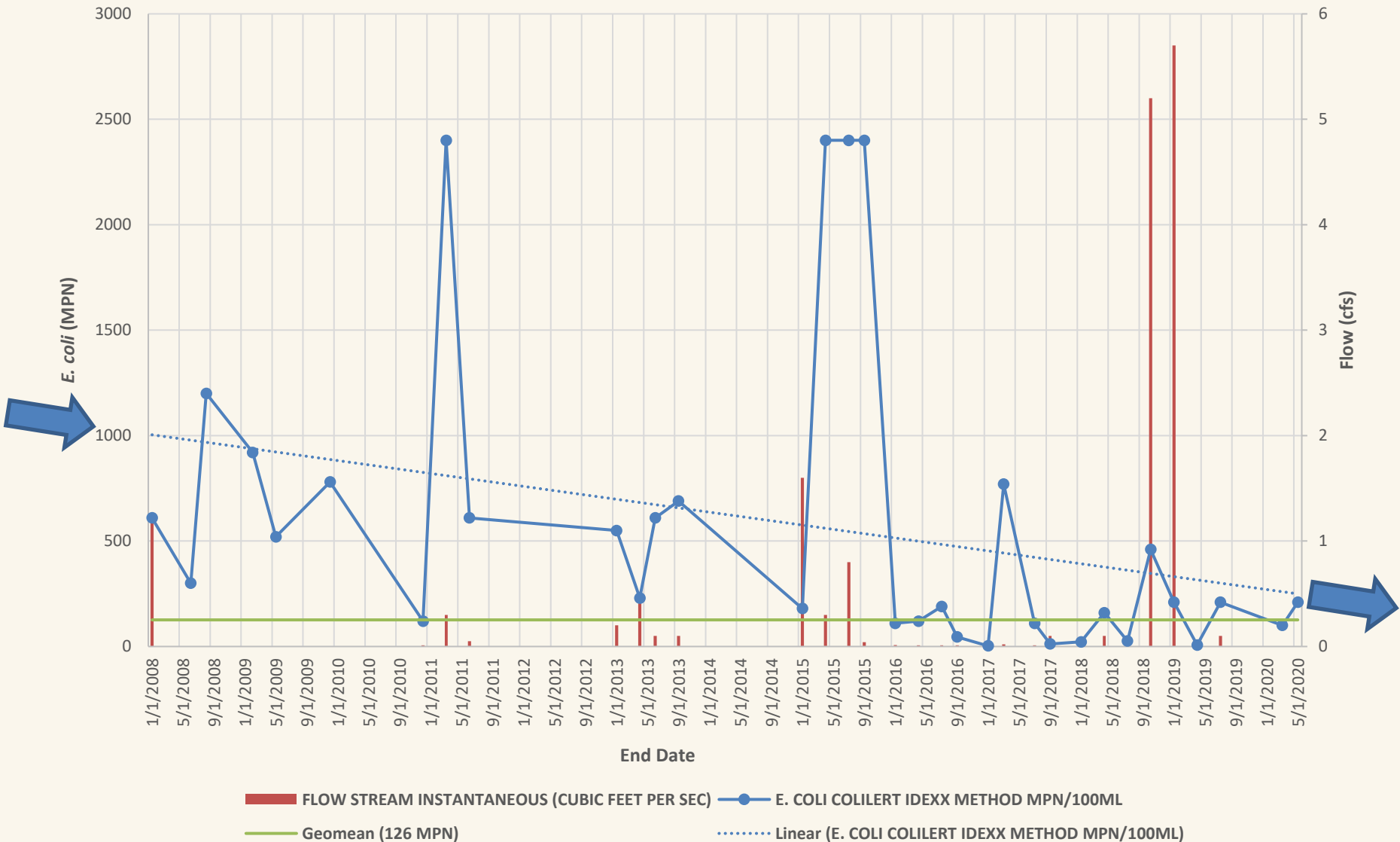
Spicewood Tributary to Shoal Creek 2008-2020



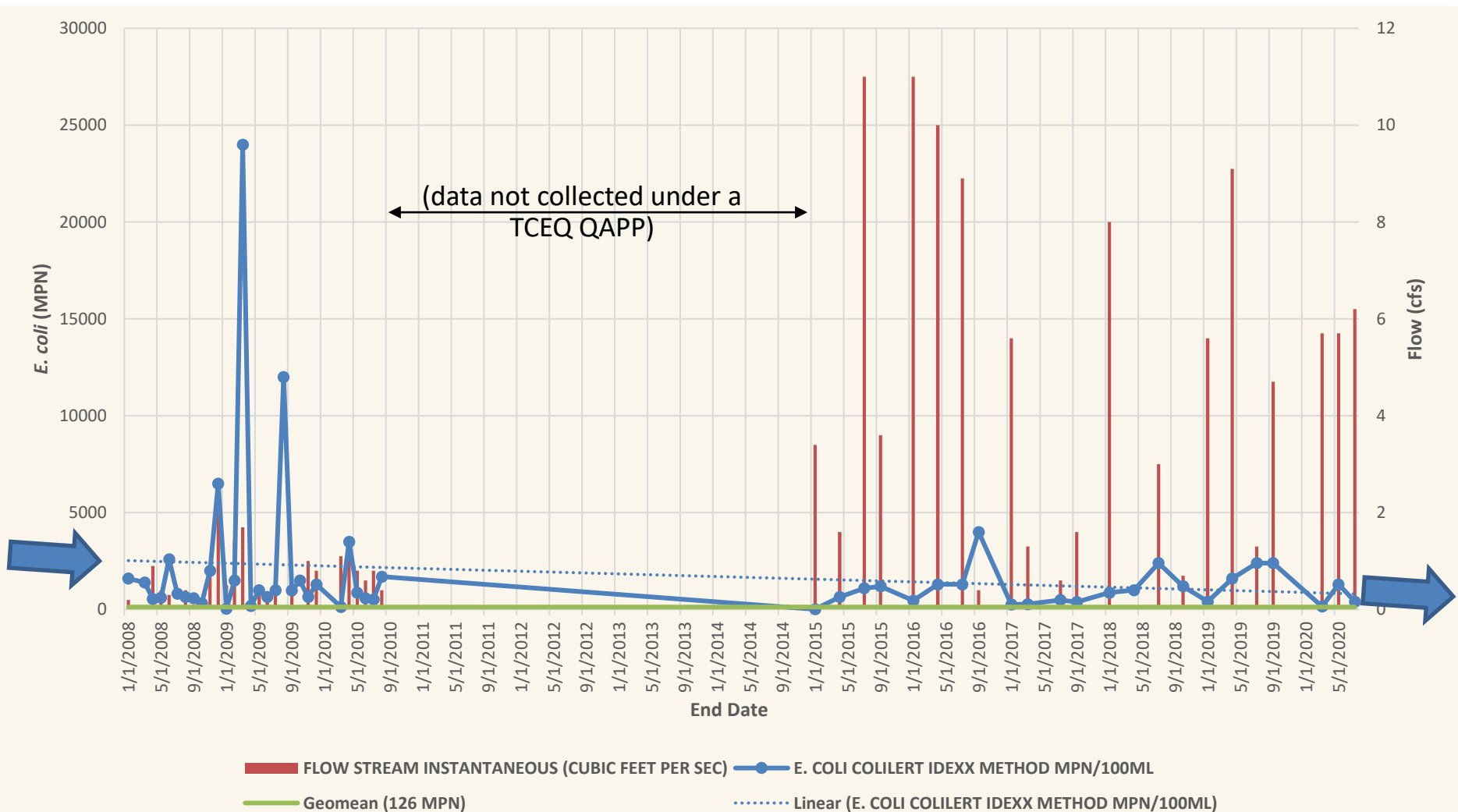
Taylor Slough South 2008-2020



Walnut Creek (downstream of MoPac) 2008-2020

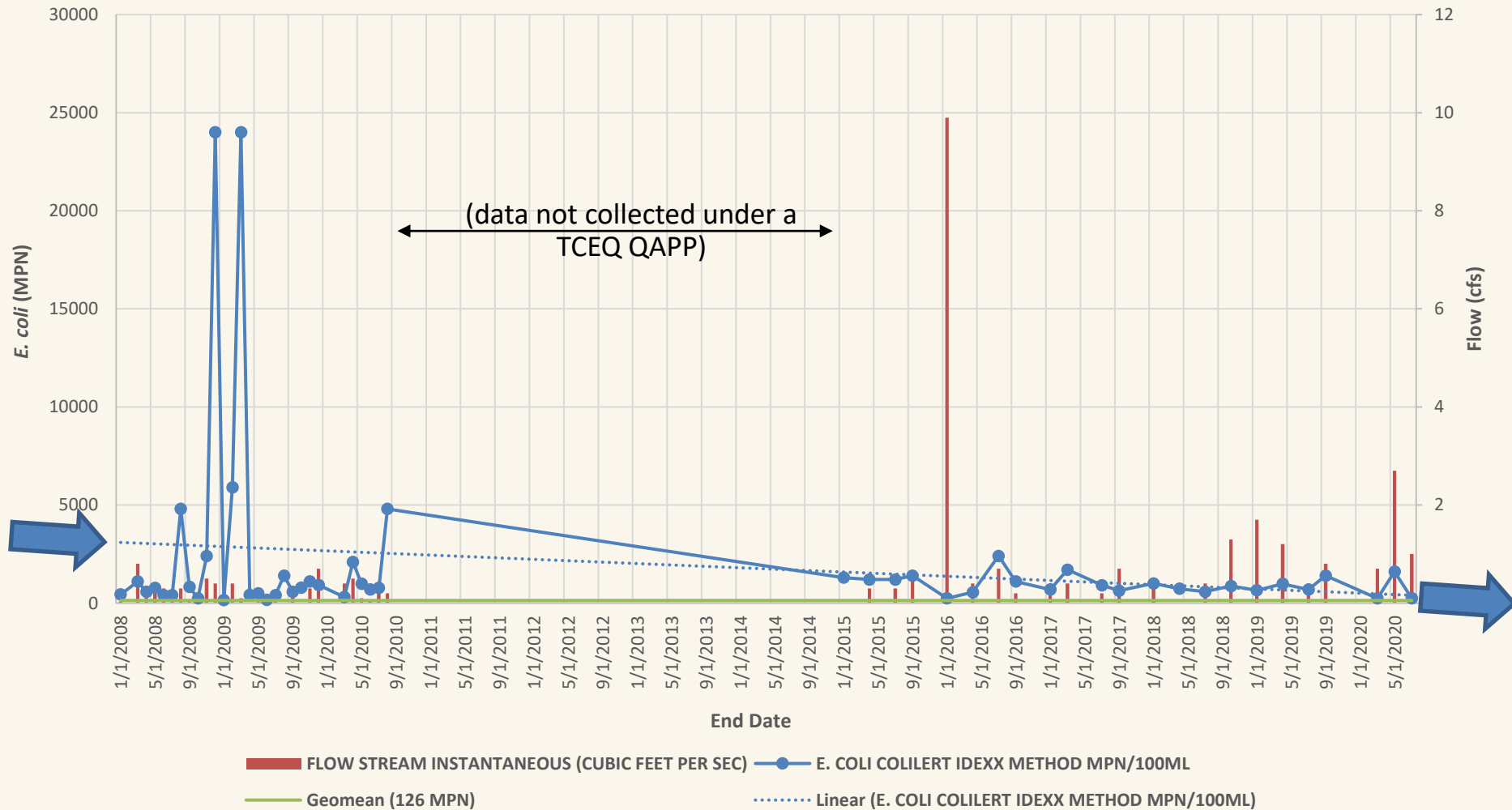


Waller Creek (downstream of Waterloo) 2008-2020



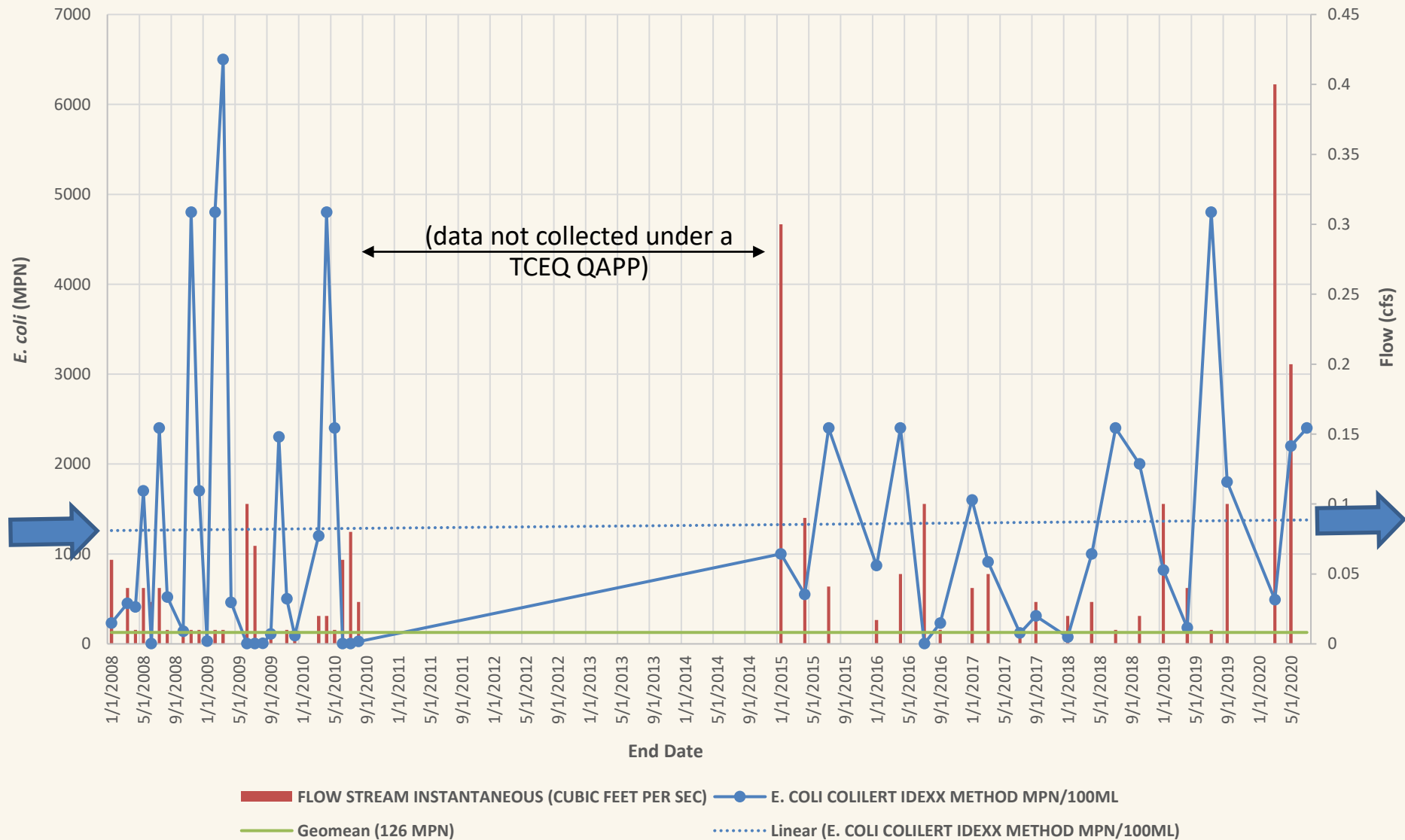
Waller Creek (at 24th)

2008-2020



Waller Creek (at Avenue H)

2008-2020



What's the (I)plan Stan?



Kickoff meeting was June 24, 2021

- Identify stakeholders
- Look at the data
- Review original facets of the IPlan (what's working, what's not)
- Determine how to revise

Anticipate I-plan revision adoption in fall of 2022

2015 IPlan Stakeholders

Interest	Representatives	Organization
Parks	Monnie Anderson	Shoal Creek Conservancy & Pease Park Conservancy
Environmental	Lauren Ross <i>Alternate: Roy Waley</i>	Austin Sierra Club
Community & neighborhood	Susana Almanza	People in Defense of Earth and Her Resources (PODER)
	Joyce Basciano	Austin Neighborhood Council
City of Austin	Chris Herrington <i>Alternate: Mateo Scoggins</i>	Watershed Protection
	Dana White	Austin Water Utility
Austin City Council citizen advisory board	Mary Ann Neely	Austin Environmental Board
Travis County	Tom Weber	Transportation & Natural Resources
Dog off-leash group	Bill Fraser	Friends of Austin Dog Parks
State	Jim Crisp <i>Replacing Gary Lantrip</i>	Texas Department of Transportation
University	Chip Rogers <i>Alternates: Nena Anderson Scott Wiedeman</i>	University of Texas at Austin, Environmental Health & Safety
Developers	Rick Coneway	Home Builders Association of Greater Austin & Real Estate Council of Austin
Business	Mark Ramseur	Austin Chamber of Commerce



*You are
cordially invited to*

a seat at the table

RSVP



Questions?



<https://www.tceq.texas.gov/waterquality/tmdl/101-austinbacteria>