

Sandy

Agricultural Water Quality Management Area

Biennial Review Report to the Board of Agriculture & ODA Director

Submitted by the Local Advisory Committee (LAC)



Meeting Date(s): March 31, 2021
LAC Members Present: Roy Iwai
Reporting Time Frame: 2019 and 2020

PROGRESS MEASUREMENT

This was a Light biennial review. During the 2023 Full biennial review, revisions to the Area Plan will include progress toward the 2021 and 2023 milestones and activities completed in 2019 through 2022.

Overview:

- Location: Beaver Creek (Focus Area)
- Pollutant: Bacteria (*E. coli*); TMDL in place (2005); Beaver Creek is listed as impaired for bacteria
- WQ Standard: No single sample shall exceed 406 *E. coli* organisms per 100 ml
- Strategy: Reduce runoff of agricultural waste (manure from livestock and horse operations)
- Progress: Both milestones for 2021 were achieved

Measurable Objective #1 – South Fork Beaver Creek @ 302nd:

- Conditions in 2019: From Nov. 2012 to Dec. 2018, 83% (62/74) of samples met the WQ standard
- Milestone for 2021: In 2019 and 2020, 83% of samples will continue to meet the WQ standard
- Conditions in 2021: In 2019 and 2020, 95% (18/19) of samples met the WQ standard

Measurable Objective #2 – North Fork Beaver Creek near Division:

- Conditions in 2019: From Nov. 2012 to Dec. 2018, 77% (49/64) of samples met the WQ standard
- Milestone for 2021: In 2019 and 2020, 79% of samples will continue to meet the WQ standard
- Conditions in 2021: In 2019 and 2020, 85% (17/20) of samples met the WQ standard

PROGRESS

- Meeting participants appreciated seeing the EMSWCD bacteria data and that the 2021 milestones were achieved
- EMSWCD is also trying to get temperature

IMPEDIMENTS

- Because of low LAC member turn-out, all meeting participants contributed to the discussion

RECOMMENDED MODIFICATIONS AND ADAPTIVE MANAGEMENT

- In-stream ponds can contribute to higher stream temperature, if too large to shade with vegetation; are there engineering solutions?
- Just as vegetative buffers are needed along streams, they are also needed along roadside ditches

COMPLIANCE ACTIONS

Location	Letter of Compliance	Pre-Enforcement Notification	Notice of Noncompliance	Civil Penalty
Outside SIA(s)	0	0	1*	0
* Headwaters of intermittent tributary. Pig farm with grazing on steep slopes, manure and compost not covered, bare ground (feeding area and farm roads). NON issued with 9 corrective actions. Most concerns have been addressed. Follow-up site visit on March 31, 2021 showed that conditions were in compliance.				
Within SIA(s)	N/A	N/A	N/A	N/A