

**MEMO**

To: Interested Parties

From: Bridget Munger, PIO 919-707-3644

RE: Sutton Sampling Results for Sept. 30-Oct. 3, 2018

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DEQ's Division of Water Resources staff took water samples at the south end of Lake Sutton on Sept. 22 following a breach of the impoundment at that location.

- Additional samples were taken at three locations on Sept. 25, including at the breach, upstream of the facility and downstream of the facility.
- Daily sampling continued at multiple locations through Oct. 5 ([see map](#)).
- Starting Oct. 9, DEQ began weekly sampling at the locations shown on [the map](#).

All samples are collected following protocol required to reference [state water quality standards](#). DWR's chemistry lab is conducting all analysis of the samples.

- Test results continue to show all levels below state water quality standards with the exception of dissolved copper, which shows slightly elevated levels upstream, downstream and at the southern Sutton Lake breach.
- Extreme flooding from Hurricane Florence carried huge amounts of urban stormwater into the river, which could be a factor in the elevated copper levels we're seeing.
- [Oct. 2](#) results for cadmium and zinc which are listed as "no data" were at non-detect levels.
- DEQ continues weekly sampling at the Sutton plant to monitor permit compliance and provide a more complete snapshot of water conditions at the facility and downstream.

Data tables by day:

[September 30, 2018](#)

[October 1, 2018](#)

[October 2, 2018](#)

[October 3, 2018](#)