

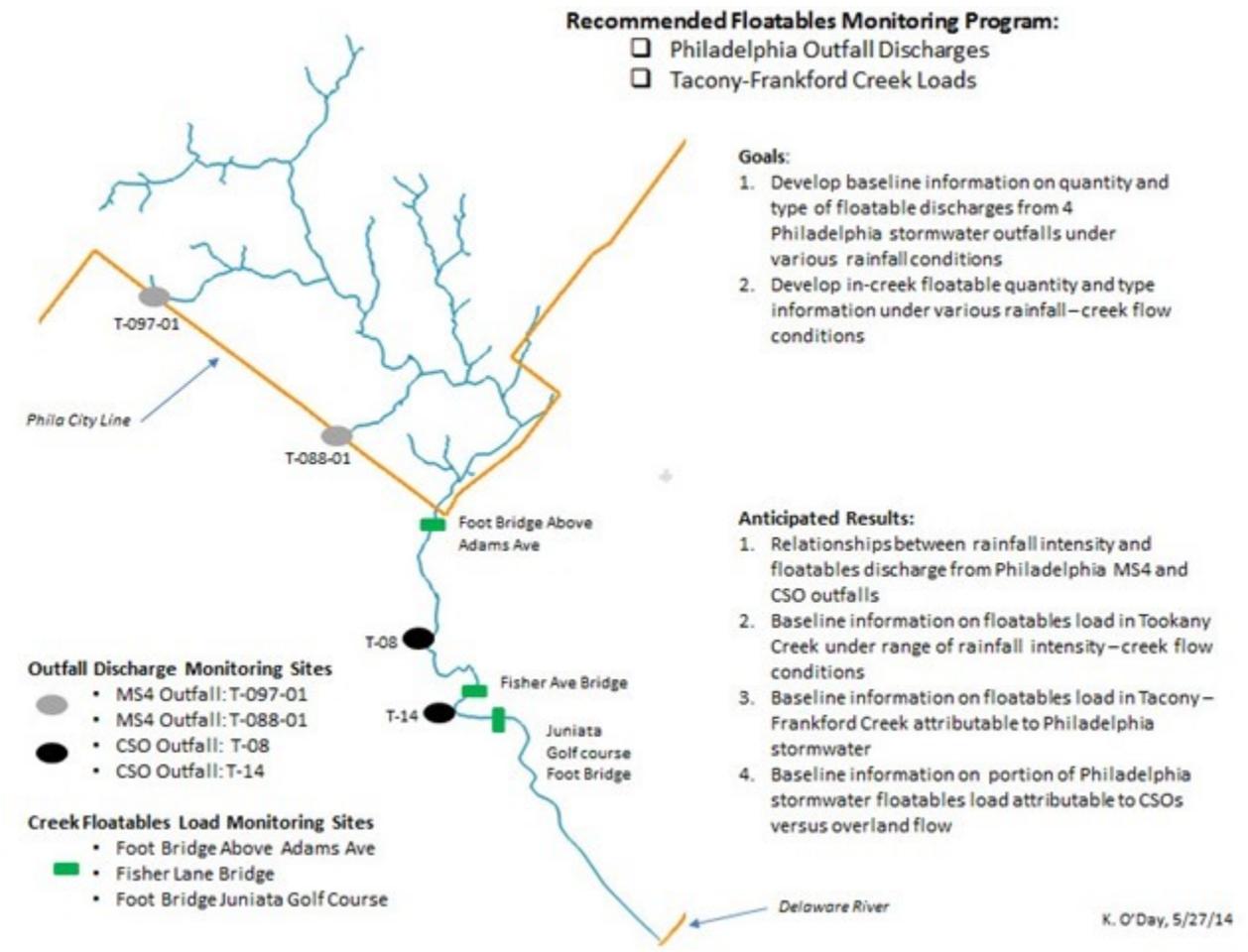
D Kelly O'Day

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Date: Tuesday, May 27, 2014 8:21 AM
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Attach: algalita_Working Our Way Upstream12-28-05final.pdf; TTF-Float_monit_Sites_snagit.jpg
Subject: Philadelphia's CSO Permit Renewal: Recommended Floatables Monitoring Program

In previous emails I have advised PaDEP, EPA III and Philadelphia that the Tookany-Tacony-Frankford Creek has a serious floatables problem, much of it attributable to Philadelphia street litter. The street litter makes its way to the Creek by either overland flow or through the City's combined and separate sewers.

PaDEP, EPA III and Philadelphia need hard data to assess the quantity and sources of observed Creek floatables. Using the Algalita Marine Research Foundation's 2004-2005 trash mass emissions study (pdf attached) as a prototype, I have outlined a quantitative study that will provide the 3 agencies the data needed to understand the quantity of Philadelphia street litter that makes its way to the Creek by overland flow versus City sewers. Understanding the relative floatables contributions by overland flow and City sewers is critical to determining the best ways to reduce/eliminate street litter - floatables in the Tookany-Tacony-Frankford Creek.

This diagram outlines my recommended floatables monitoring study.



This monitoring program has been designed to collect outfall and creek floatables data during storm events from safe locations using small hand held traps/nets similar to those used in the Algalita study. I recommend replacing Algalita's crane and manta trawl technique with a simple rectangular basket with a coarser mesh (1/4-inch) lowered by hand from bridge crossings. The 3 proposed Creek floatable sample sites are at bridges, providing safe access to the Creek during storm events.

I request that PaDEP and EPA III include this type of floatables monitoring program in Philadelphia's upcoming CSO permit renewal.

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