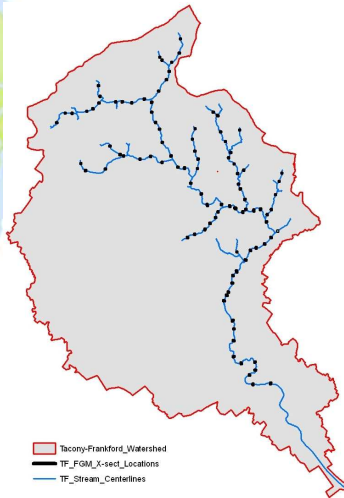


Fluvial Geomorphologic Assessment of Tookany/Tacony-Frankford Watershed

Planning Project



Partners:

Philadelphia Water Department

Tacony-Frankford Watershed



Contact: Marc Cammarata
215.685.4948
marc.cammarata@phila.gov

Status: Completed

Tookany/Tacony-Frankford Watershed Partnership (TTFWP)

Fluvial Geomorphologic Assessment of Tookany/Tacony-Frankford Watershed...

A geomorphologic stream survey of Tookany/Tacony-Frankford Creek was led by the Philadelphia Water Department Office of Watersheds in 2004. The assessment involved walking the entire length of Tookany/Tacony-Frankford Creek and 14 of its tributaries, a total of nearly 27 miles, to record specific information about the channel and surrounding habitat. One representative stream channel cross section, including local slope, was measured per reach. 102 reaches were surveyed with each reach being less than 2000 feet in length. Measured field data was compiled to determine stream channel types for each reach and to help evaluate channel stability. Qualitative habitat data was collected and used to determine what types of habitat are adjacent to the stream channel.

Benefits:

- The study will aid in the analysis of flow patterns within the Tookany/Tacony-Frankford Watershed which will allow for the conceptual planning of restoration projects. The goal of these projects will be to mitigate the effects of storm flow on the stream by decreasing the erosive effects of the stormwater, decreasing the quantity of water that reaches the stream, and stabilizing and restoring the banks using bioengineering techniques.
- The study will provide data that will be used in developing an approach for the restoration of Tookany/Tacony-Frankford Creek with an emphasis on hydraulic sustainability, enhancement of riparian habitat, improved aesthetics, and biological improvement.

