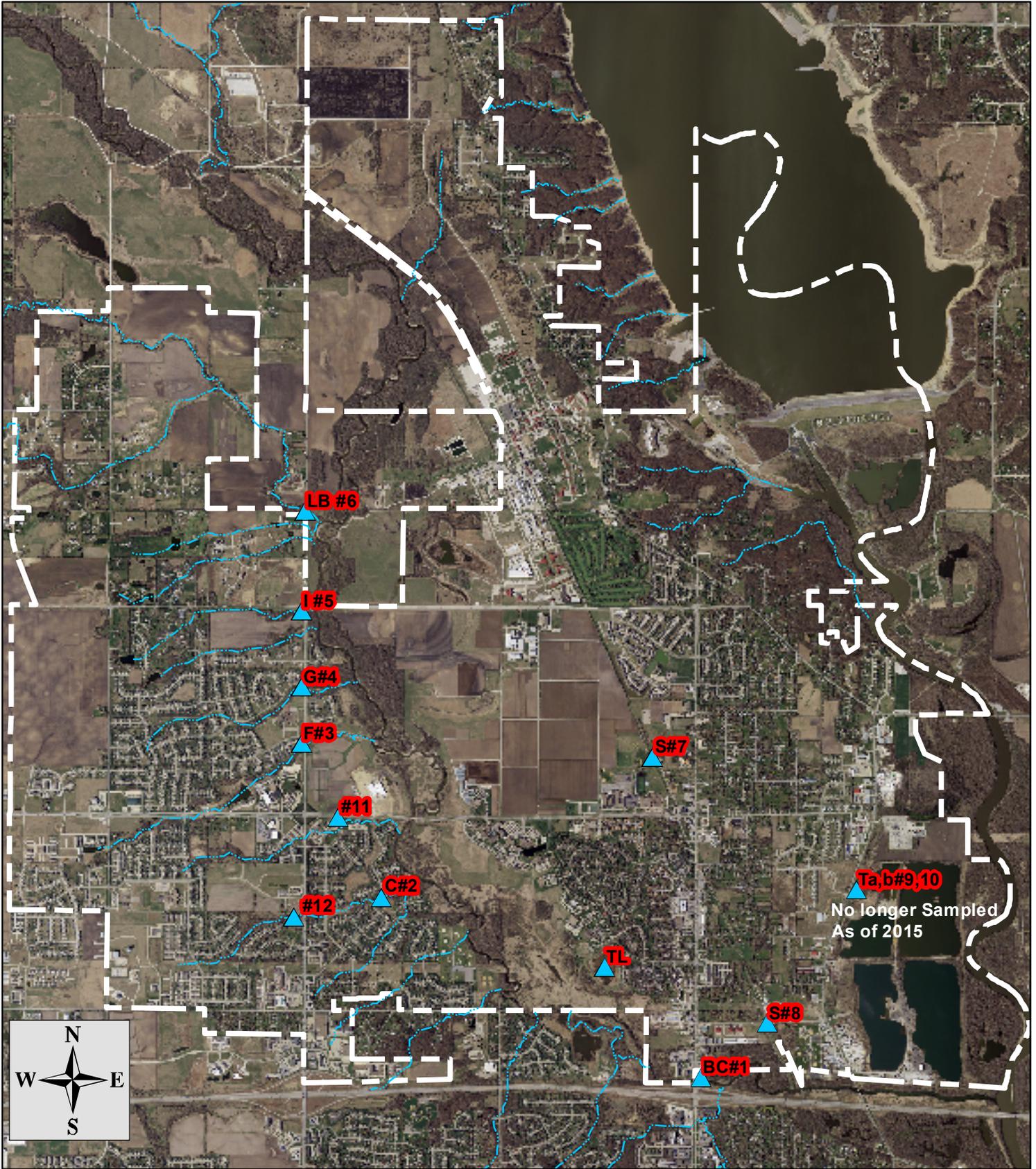


Watershed Sampling Sites



0 1,450 2,900 5,800 8,700 11,600 Feet

The following is a brief description of each testing site:

BC # 1 - Beaver Creek at Merle Hay Road – this sub-watershed is the largest identified in Johnston. It gives us a sample location prior to contribution from the east side of Johnston.

C # 2 - Green Meadows West at Foxboro – this is the location of the sanitary sewer repair and the highest % of impervious of all the proposed sampling areas. Is also part of the downstream drainage area for proposed Greenwood Hills Greenbelt project, allowing for pre, during and post construction sampling.

F # 3 - “Waterford Creek” at NW 86th Street – the first of three sites along NW 86th Street, each of which is at a different stage of development. Developed sites that would be considered with this sample location: Waterford, Century Woods and west. Eastward of this location, the Pioneer fields have experienced erosion damage from increased flow.

G # 4 - Beaver Creek Elementary School at NW 86th Street – this site drains to the Augustine development which has also experienced erosion damage due to increased flow. This channel is scheduled for improvements in 2022.

I # 5 - NW 70th Avenue at NW 86th Street – this area north of the Green Meadows North neighborhood is poised for development with the former Simpson property and the Bright Trust allowing for sample prior, during and after development.

LB # 6 - Little Beaver Creek at NW 86th Street –sampling of Little Beaver Creek before the confluence with Beaver Creek providing an understanding of impairments that are occurring outside and “above” Johnston in the larger Beaver Creek watershed.

S # 7 - NW 59th Street at Northglenn (drainage ditch near Maurices) – area with known drainage challenges. Monitoring this location will also provide upstream data to compare to the Prairie Pointe Crossing site in the same subwatershed.

S # 8 - Johnston Drive at Prairie Point Crossing –Monitoring this site will also provide a downstream data to the NW 59th Street location in the same sub watershed as well as an analysis of stormwater quality for an area that currently doesn’t have sanitary sewer service.

T # 9 and 10 – Storm-ceptor at NW Beaver Drive (2 sampling locations) –Sampling Discontinued in 2015 at this site due to regular lack of flow.

TL – Terra Lake – a newly renovated pond in a public park that is primarily groundwater fed via well but sampling could give a good baseline as to groundwater contaminants. Also this newer pond includes a forebay that is intended to capture some runoff from the great lawn and clean it before entering the pond. Fish were stocked in 2015 and sampling will help determine the health of the ecosystem here.

#12 – Greenwood Hills Greenbelt – Newly renovated drainage basin with new best management practices in place as of 2015. Sampling at this location could show how use of said practices influences runoff quality in an urban stream corridor. This drainage way is a typical scenario replicated in Johnston in several basins. If retrofits work well this could be a template for how to address urban stream quality in other areas in town.