

BUCKNERS CREEK USE ATTAINABILITY ANALYSIS

Dave Bass

Water Quality Protection

THE PROBLEM

- Buckners Creek was listed on the 303(d) Impaired List in 2010 because dissolved oxygen data was below the water quality standard
- Creek characteristics:
 - Low gradient/slow moving water
 - Low flow
 - Shaded



THE SOLUTION

- Conduct a Use Attainability Analysis (UAA)
- The analysis will include:
 - Data collection in 2018 and 2019
 - Six locations where data will be collected
 - Parameters include:
 - Fish community (3)
 - Benthic macroinvertebrate community (3)
 - Chemistry (3)
 - Flow (10)
 - 24-hr dissolved oxygen measurement (10)

Figure 1 - Buckners Creek Segment 1402C

