

Miljala Tributary Restoration Project Update: November



Miljala Tributary, late November 2022

REA Recommendation!

The purpose of REA's report is to provide an analysis of the soil stability in the Miljala Tributary area and create a recommendation of the best practice which would: increase the stability of the banks and reduce erosion of landowner property; reduce the sediment load into the Miljala Channel; and reduce the load of phosphorus into the Channel and ultimately Rock Lake.

Visual, topographic, and academic literature all indicate that the banks on the western and central area of the Miljala Tributary will continue to erode without intervention. They will erode until they reach a stable slope angle to maintain a low flow channel or until the area returns to a wetland (e.g., the banks fill in the low flow

channel and the area is saturated). The sediment that erodes from the banks during this process will flow into the Channel or deposit along the bottom of the tributary.

Consequently, REA recommends:

- Installing a two-stage design
- Shifting the project area by moving the focus of the project westward (away from Cedar Lane)
- Installing riprap at some locations to add greater stability
- Doing the construction in winter to limit erosion and maximize contractor availability
- Follow-on steps for the next phase