

Reach 3

Issues: Several large eroding outer banks. Significant woody debris causing jams that redirect flow at banks. Unstable tight meander in downstream third in the process of being cut off.

Constraints: Narrow valley and low slope limit meandering potential, Deep shade limits vegetation options. Meander cutoff and loss of stream length could be permitting issue. Some existing trees may need preservation, inhibiting work access in their vicinity.

Alt 1: Install bank stabilization measures

- 1a) Hard armor/riprap
- 1b) Boulder vanes
- 1c) Toe wood and bankfull bench

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Alt 4: Narrow over widened channel in downstream third of reach, create vegetated bank and bench

Alt 2: Cut off tight meander, shorten stream by 180 ft, install 2 grade-control structures

Alt 3: Remove large woody debris to prevent future jams

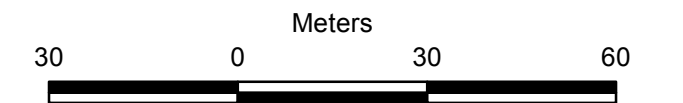
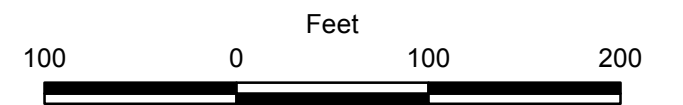


Figure 3

PLYMOUTH CREEK STUDY REACH 3
Plymouth Creek Feasibility Study
Bassett Creek Watershed
Management Commission