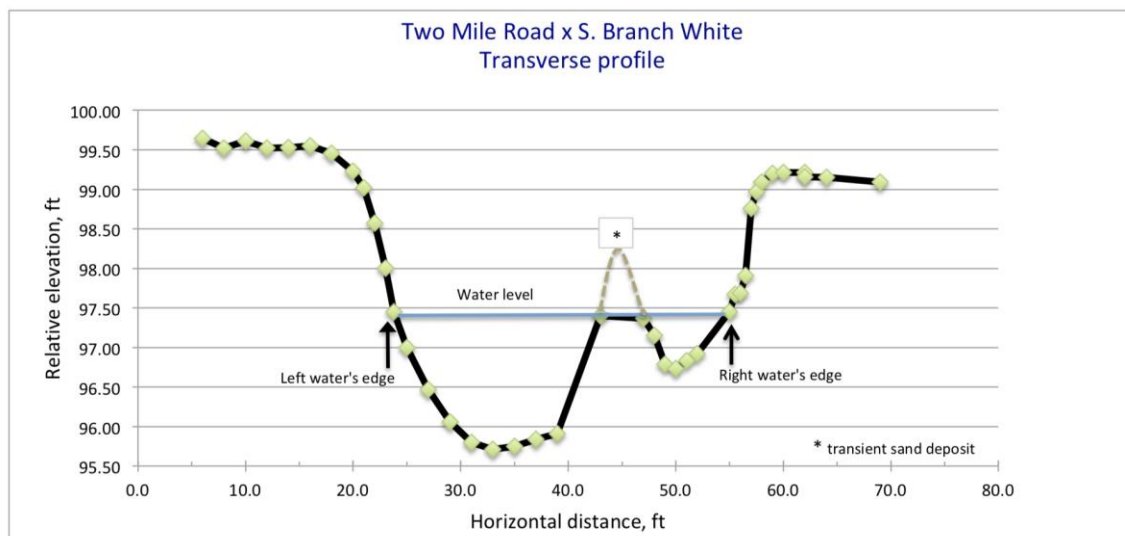


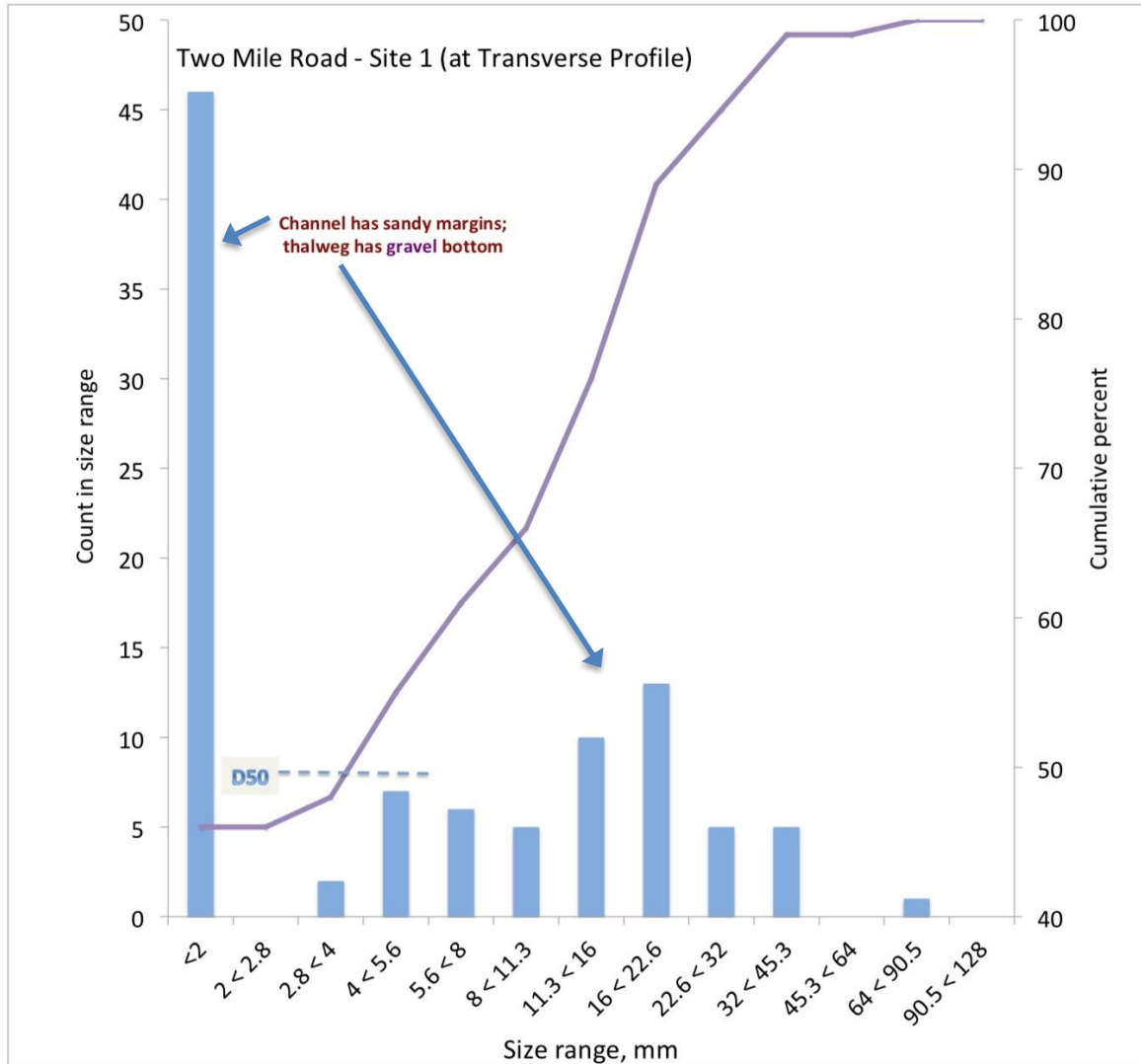
Preliminary Characterization of Geomorphology, 2 Mile Road x Main Branch White River

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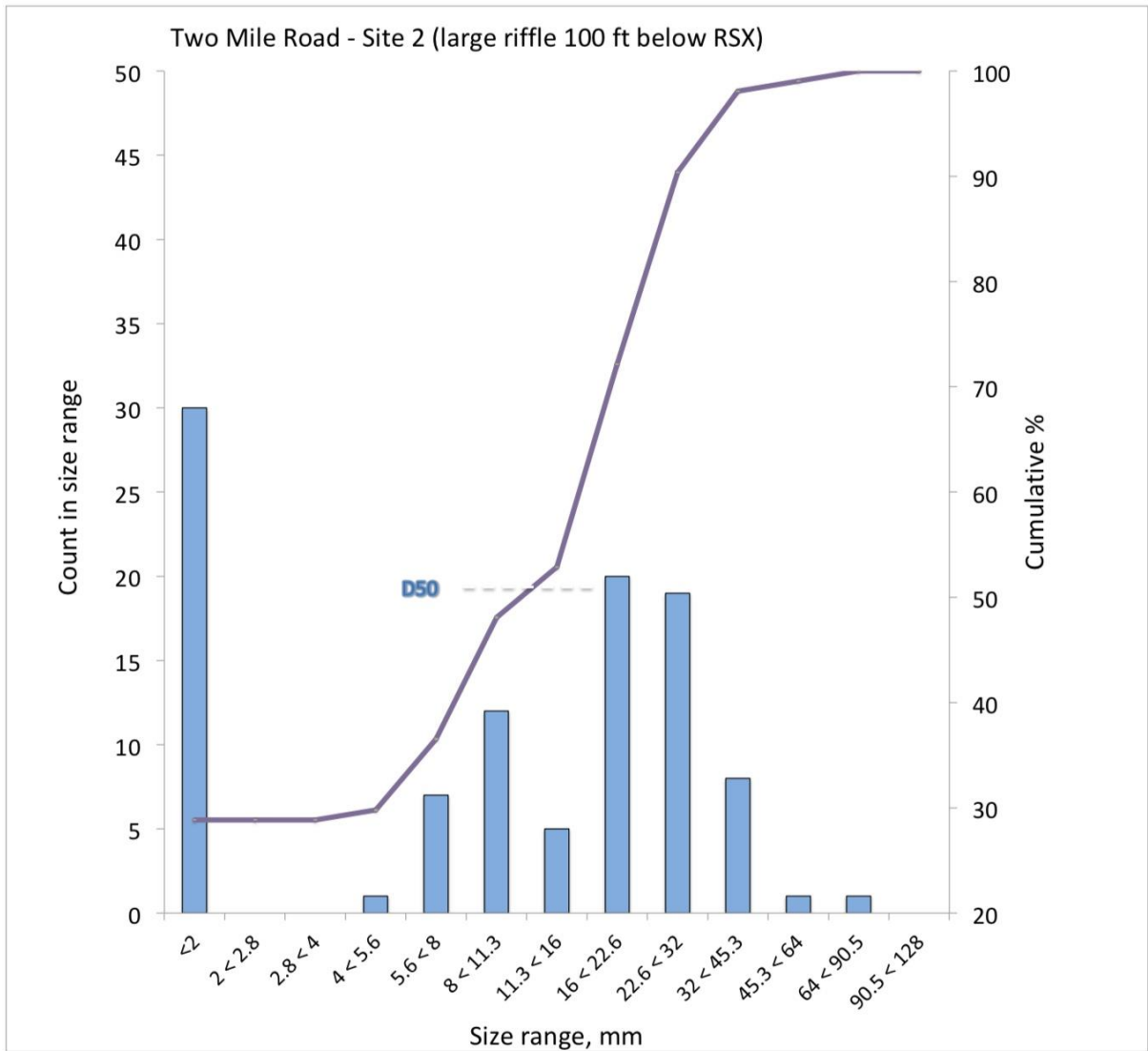
The following figure illustrates the stream's cross-section about 300 ft. downstream from the former road crossing. The location is just downstream from two large riffles whose bottom textures are shown in the following section. The mid-stream sand bank is a typical feature of this reach. This site was extensively modified several years ago by installation of large woody debris and stabilization of the banks with planks (now largely buried and not visible). The water depth shown is typical of summer low-flow conditions.



Extensive gravel beds occur in and near the thalweg, grading to sand and silt towards the banks, as shown in the following figure.



Two large riffles extend bank-to-bank at about 100 ft. and 200 ft. downstream from the former road crossing. These riffles consist mostly of coarser material than the streambed in runs, with a lower proportion of sand and silt, as shown in the following figure. It is possible that the coarser material was added exogenously at the time of earlier 'restoration' work.



The overall desirable bottom characteristics in this reach are maintained by correspondingly high stream velocity. In the coming field season, a longitudinal profile survey will help establish the gradient necessary to produce this result and should enable useful comparisons with other sites.