Computer problem #1 due Sept. 29

Solve computer problem 3.1 on p. 63 of the text *Erosion and Sedimentation* after considering that a 15 km reach at a bed slope of 0.00070 has been added to the upstream portion of the channel sketched on p. 49. The width of the added segment has the same width as the lower reach. Assume a constant value of the Manning coefficient $n = 0.025$ throughout the entire reach. It is fine to assume a wide-rectangular channel for the calculations. Solve the problem in SI units and discuss the results of the three main graphs: flow depth, velocity and shear stress in m, m/s and Pa.