HYDROLOGY–Mannings "n"
Work Sheet

Name_____

Project_____

Date_____

Cross Section						
1. Basic "n" Earth .020 Rock .025 Fine Gravel .024 Coarse Gravel .028						
2. Irregularity or Roughness of Channel Sides & Bottom Smooth .000 Minor .005 Moderate .010 Severe .020						
3. Changes in Size and Shape of Cross Section Gradual Changes .000 Occasional Changes .005 Freq. & Wide Var. .010 to .015						
4. Effect of Obstruction Negligible .000 Minor .015 Appreciable .030 Severe .060						
5. Effect of Vegetation Low Retardance .005–.010 Medium Retardance .010–.025 High Retardance .025–.050 Very High Retardance .050–.100						
Sub Total n_s						
6. Degree of Meandering Minor .000 Appreciable .15 x n_s Severe .30 x n_s						
Total						

Overbank Cover						
Channel Length						
Valley Length						

Designed_____ Date

Drawn M.Quinones 8/1/14

Checked_____

Approved_____

USDA United States Department of Agriculture

Natural Resources Conservation Service

CHANNEL COEFFICIENT OF ROUGHNESS

IL–ENG–8

Drawing No.

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