

Table 1. Manning's Roughness Coefficients	
Description of Land Use	Value
Main Channel	0.030
Riparian Vegetation	0.160
Prune and Young Walnut Orchard	0.100
Mature Walnut Orchard	0.080
Cultivated Fields (Fallow)	0.035
Open Space	0.035
Gravel / Sand Bars	0.040
Grass / Sedge and Sparse Shrubs	0.040