

## LIST OF TABLES

Table 3.1. Research watersheds .....	48
Table 3.2. Soils from WEPP soil database for Treynor W2 watershed .....	51
Table 4.1. Runoff and percent deviations of measured events .....	82
Table 4.2. Sediment yield and percent deviations for measured events.....	83
Table 4.3. Total WEPP predicted erosion from hillslopes and channels (kg).....	84
Table 4.4. Nash-Sutcliffe model efficiency coefficients for event runoff predicted by the three methods.....	85
Table 4.5. Nash-Sutcliffe model efficiency coefficients for event sediment loss predicted by the three methods .....	85
Table 5.1. DEM grid resolutions studied for each watershed.....	95
Table 5.2. Watershed slope values for Treynor W2 watershed .....	99
Table 5.3. Event size distribution.....	102
Table 5.4. Example ANOVA error terms, sources, degrees of freedom and estimated mean squared .....	105
Table 5.5. Combined P-values for predicted vs. observed watershed runoff for all watersheds at each resolution .....	109
Table 5.6. P-values of predicted vs. observed sediment yield from watersheds for the different DEM resolutions studied.....	111
Table 5.7. P-values for predicted vs. observed runoff from watersheds for different event sizes and methods .....	121
Table 5.8. P-values for predicted vs. observed sediment yield from watersheds for different event sizes and methods.....	123
Table 5.9. P-values of predicted vs. observed sediment yield from watersheds for interactions between resolution and event size.....	125
Table 5.10. Differences between Calcleng and Chanleng methods. P-values indicate difference between methods for the deviation of predicted from observed values of runoff and sediment yield for the watershed outlet .....	127