

2001 Design Value for Willow Street (using 1999-2003 data)

Design Value = 90th Percentile Value + 3.61 times (Average of Top 10% - 90th Percentile value)

24 Hour Design Value (1)

$$DV = 40.9 + 3.61 * (55.2 - 40.9)$$

$$DV = 92.8$$

(1) See Willow Street Data By Date Spreadsheet 99-03 PM10 data

The formula is: $DV = X_{90} + 3.61(U_{90} - X_{90})$

92.8 Design Value

96.1 Max 5year 99-03

40.9 90th percentile

55.2 Mean of top 10%

599 values

21.9 5 year annual design value

22.0 Top 3 year