

**Response Figure 1 – Histogram of catchment sizes within the study.** 



Response Figure 2 – Storm Event Intensity was calculated as an annual average for each of the 10 years for all 280 catchments in the dataset. These values were then normalized with respect to the long term 10 year mean storm intensity.



Response Figure 3 – Mean storm intensity plotted against Streamflow Elasticity for catchments. This shows a general lack of correlation between storm intensity and streamflow elasticity.



Response Figure 4 – Variance of storm intensity plotted against Streamflow Elasticity for catchments. This shows a general lack of correlation between the variance of storm intensity and streamflow elasticity.