SARI I/I Analysis

Data used:

Flow data was obtained from three (3) SARI portable flow meters (Joy, Euclid, and Green River) from November 1, 2008 through February 10, 2009. Flow recorders often register negative values, which were removed from consideration for purposes of this analysis. Flow data was provided for hourly averages, which in turn was used to obtain daily averages.

Rain data was obtained from Riverside County Flood Control District. Daily average values were provided at several stations throughout Riverside County.

Data for flow and precipitation was plotted and analyzed for correlation using an EXCEL worksheet.

Results:

The following table presents the correlation values obtained at the three different locations:

Portable Flow Meter	**Correlation**
Joy	0.0651
Euclid	-0.02895
Green River	-0.12418

Conclusions:

As it can be observed from the obtained values, there is no significant correlation between precipitation events and increase in SARI flows. A more detailed analysis should be undertaken, such as obtaining exact flow data from SARI dischargers for a particular period of time (during rain events) and evaluating whether flows match the discharge point to the data obtained at the portable flow meters.