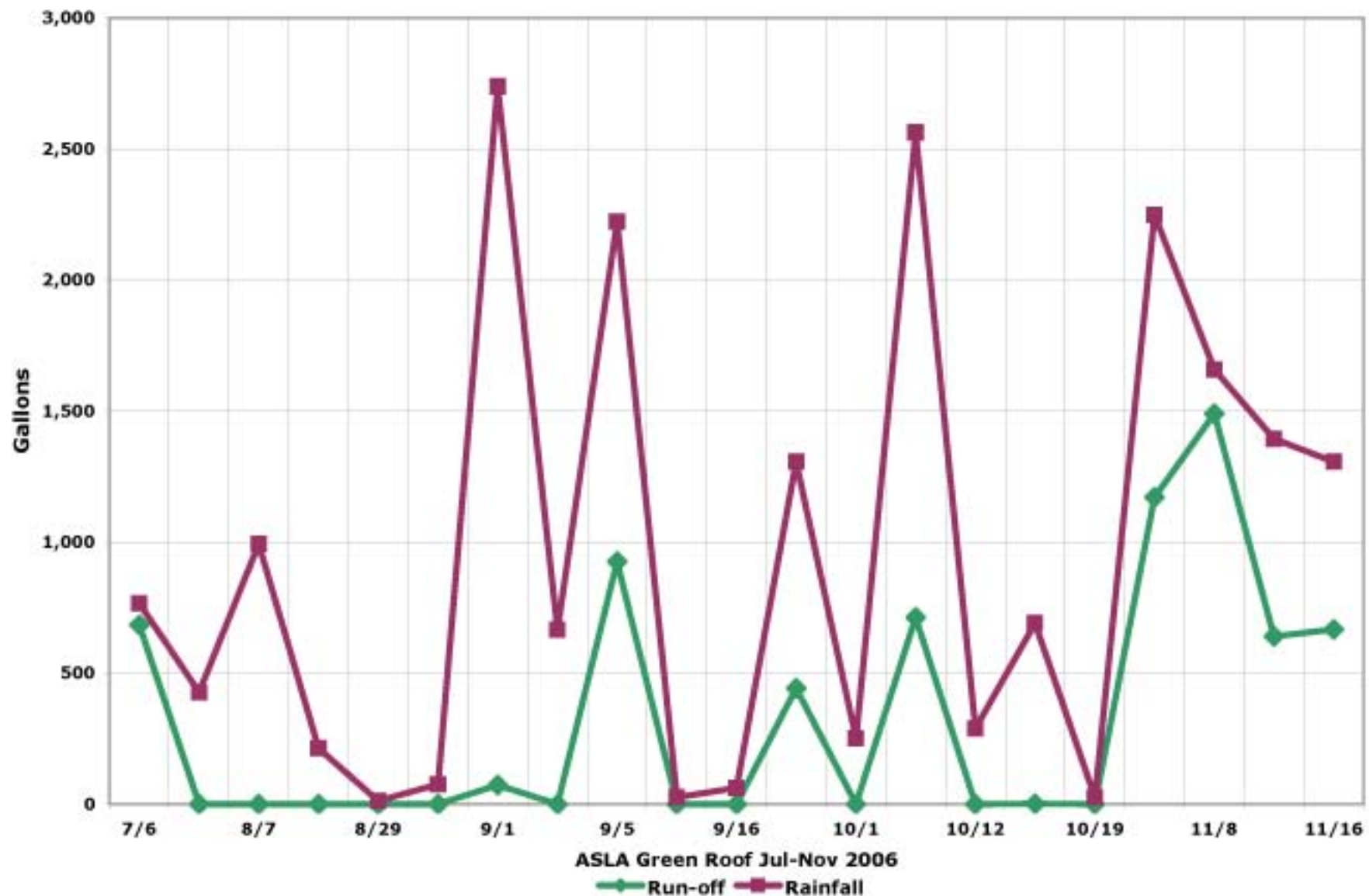


## ASLA Green Roof Runoff vs. Rainfall: July-November 2006



ASLA has committed to monitoring the performance of the roof over time for: stormwater retention; water quality; temperature; and plant growth. Flow meters and rain gauges are in place; the roof retained 76.7 percent of the 11.83 inches of rain that fell during the first data collection period. Temperatures on the ASLA roof will be tracked against temperatures on the roof of an neighboring building. An environmental engineering consultant has been retained to analyze and compare water quality collected on the roof and runoff collected from roof drains. The water quality analysis will follow U.S. Environmental Protection Agency standards, and will include pH, suspended and dissolved solids, dissolved oxygen, chemical oxygen demand, nutrients, and heavy metals. In addition, light meters have been placed in different areas and a number of plants tagged so that data on plant growth and growing conditions can be collected. The report will form the baseline for ongoing research during future growing seasons.