## Introduction

flow and response to storm events. (Space et al., 1991; Busek et al., 1991; McDonnel et al,

1991). Pacent use of ovugen is at most in ground water studios-in discussed helaw:

locations of collectors are shown in Figure 1. Collectors were installed downgradient of the Mt. Mansfied basin as well as to the north and south, to examine spatial distribution of  $\delta^{18}$ O rainfall composition. Rain collectors were designed to capture rain during the one week monitoring





 $\delta D$  composition to determine if the water has been fractionated through evaporation or other mechanisms prior to entering the groundwater system.

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