

## Description of Michele's conservation project is:

The study area is located in Burnt-Rossman Hills State Forest at Looking Glass Pond. This site is appropriate for the study because it



has habitat for both terrestrial and aquatic salamanders. Ten sites were picked randomly, 5 around the pond and 5 in the forest that is near the pond. At the study area a transect pole with 11.8 feet of line on it was used to measure a 1/100 acre area of each site. The transect pole was also used at each site to obtain an

estimate of the density of different salamanders species found in an acre of land. I did this by searching through the area in the transect line. Then I dug through left litter, moved logs, turned over rocks and debris that laid in the transect.



Along with using the transect pole at each site a bucket was used to hold the documented salamanders. This was used to avoid the recapture until the site survey was complete. Every salamander observed was recorded by species, activity and location of it during observation. Other factors that were recorded were the types of vegetation, area conditions and the time the observation started at each site.



This study will help determine the soil conditions and help determine some of the problems with the water quality in Looking Glass Pond. The PH level in the pond is very unstable. In the morning the PH goes down and as temperature goes up during the day the PH rises when the sun heats up the water.