

pendix) was administered to recreationists engaged in outdoor recreation using the sampling procedures established in the previous section. A close examination of the questionnaire indicates that a large number of variables were measured. The price of other goods variable, P, discussed above was not included in the measurement since in a given year this is constant. The estimated model will not reflect this variable. Only the following variables were utilized in this study:

Y = number of recreation days per group

T = travel costs per group

C = on-site costs per group

m = income

n = size of recreation group

Number of Recreation Days (Y)

The number of recreation days per visit was measured by determining when the recreation group arrived and when they planned to leave. The time of arrival and departure was used to determine the total number of days and hours the recreational group planned to stay at the site. To avoid a problem in terminology a day was defined as a 12-hour period. Using a 12-hour period, divided into tenths of a day, provides a more accurate reflection of the actual time spent. For example, if a group of five recreationists visited a site from 6:00 a.m. until 6:00 p.m. on the same day, this would constitute five recreation days. Recreationists were also asked the minimum amount of time they would spend at the site, considering the cost, distance and time involved in traveling to the recreation site.⁹

In preliminary results obtained using the questionnaire data to derive the variables, there appeared to be two separate sample groups. These two groups are composed of those recreationists that spent more than 90 days at the recreation site and those that spent less than 90 days.

The group that spent over 90 days was removed from the analysis since it was believed that they did not fit the definition of a recreationist for purposes of this study. This group contained observations which were characterized by low incomes

⁹In a very few instances due to unforeseen circumstances some recreationists actually spent less time at the recreation site than they stated as a minimum. Where this occurred the questionnaire was not used or the minimum of days was set equal to the actual days spent at the site. Some of the circumstances which created these few situations were severe weather conditions, accidents, and other unforeseen events.