


Abstract

Pressure on usage of ecosystem services by human beings is increasing day by day, integration of social value information is become important to design the framework which supports the ecosystem service based approaches. Research involving quantification and mapping of social value is required to inform decision makers and stakeholders regarding in effective management of ecosystem. This study is based on questionnaire data collected from respondents, acquiring information about forest uses by public or stakeholders and attitude and preference regarding that public uses and social values perceived by respondents. Our objective in this study are identification of the perceived social values and forest uses by public associated with Margalla Hills National Park, quantification and mapping of social values of Margalla Hills National Park and to examine the relationship between social values and natural resource conditions, to meet our objective Geographic Information System (GIS) tools are being used in study. On the basis of CSR hypothesis, spatial statistical tool is used and then spatial analyst tool is applied to determine the density of each social value. Highly favored public uses are sightseeing, educational research opportunities, non-motorized recreation, wildlife observation, collection of forest products and least favored public use is logging for fuel reduction. Opposed public uses are logging for fuel reduction, collection of forest products, non-motorized recreation, wildlife observing, educational research opportunities and sight-seeing respectively. High rated social value is aesthetic, recreational, biodiversity, therapeutic, intrinsic, and future, life sustaining, exhibiting clustering R-value about 0.273, 0.347, 0.477, 0.515, 0.564, 0.617, and 0.672 respectively. Among all social values, aesthetic value have high weighted density then recreational, life sustaining, biological, future, intrinsic and therapeutic value respectively. Outcome of this study can be used by decision makers, stakeholders and other concern management party to the area which needs better improvement.  (Ctrl) ▾