



Social Values for Ccosystem Services (Solves): A GIS Application for Assessing, Mapping, and Quantifying the Social Values of Ecosystem Services-Documentation and User Manual, Version 1.0: Open-File Report 2010-1219 (Paperback)

By Benson C Sherrouse

Bibliogov, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. In response to the need for incorporating quantified and spatially explicit measures of social values into ecosystem services assessments, the Rocky Mountain Geographic Science Center, in collaboration with Colorado State University, has developed a geographic information system application, Social Values for Ecosystem Services (Solves). Solves can be used to assess, map, and quantify the perceived social values of ecosystem services. Solves derives a quantitative social values metric, the Value Index, from a combination of spatial and nonspatial responses to public attitude and preference surveys. Solves also generates landscape metrics, such as average elevation and distance to water, calculated from spatial data layers describing the underlying physical environment. Using kernel density calculations and zonal statistics, Solves derives and maps the 10-point Value Index and reports landscape metrics associated with each index value for social value types such as aesthetics, biodiversity, and recreation. This can be repeated for various survey subgroups as distinguished by their attitudes and preferences regarding

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