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Potential Erosion: Determining Highly Erodible Lands in Puerto Rico

Soil erosion has a major effect on agricultural production and could also affect the water storage capacity of our water bodies. The Revised Universal Soils Loss Equation (RUSLE) is a widely used mathematical model used to access erosion rates. As part of the food Security Act, the U.S. Department of Agriculture developed a modification to the RUSLE model called erodibility index (EI) to determine highly erodible lands. The objective of this project is to develop a large scale map of the highly erodible lands using EI model and GIS technology as a tool by the personnel of the USDA NRCS to prioritize these areas.