The Texas Environmental Resource Stewards (TERS) was formed by the Executive Leaders of various federal and state agencies to collaborate on common ecosystem management and regulatory streamlining issues. The Texas Ecological Assessment Protocol (TEAP) is a product of the TERS effort which analyzes existing broad-scale electronic data to identify important ecological areas in Texas that should be avoided or protected, if possible. This report communicates the initial results of this new tool. Agencies and the public will be able to use this information to aid in project planning and scientific research, ultimately leading to better environmental assessments, improved understanding, and enhanced decision-making. The TEAP is not designed to be used to make final decisions on individual projects, but rather to serve as a general screening tool to allow environmental professionals to focus limited resources to protect critical ecological areas and to give the public an overview of environmental conditions in Texas.