

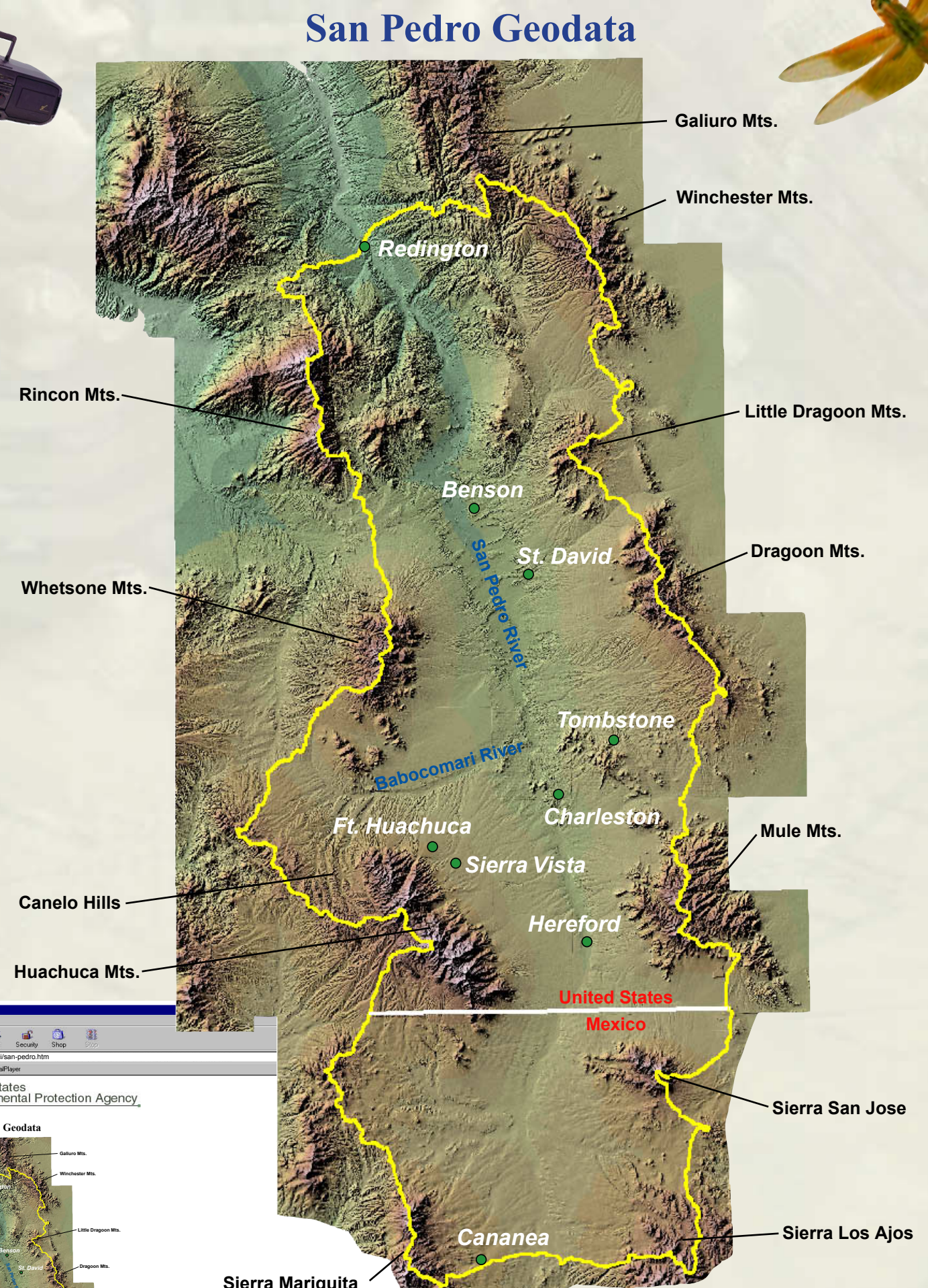
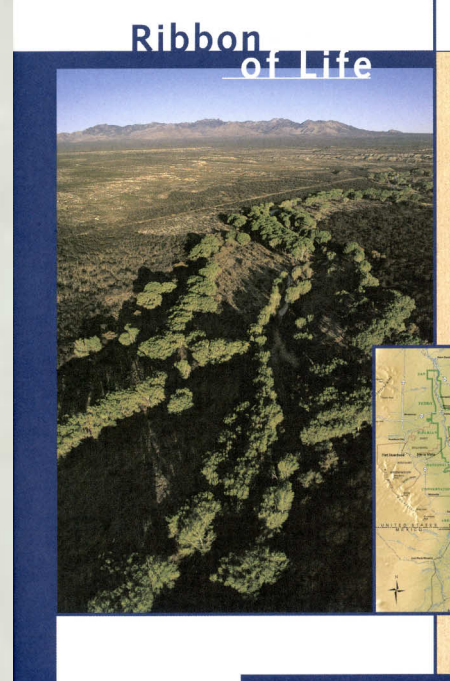
A Data Browser for the ...

San Pedro Watershed

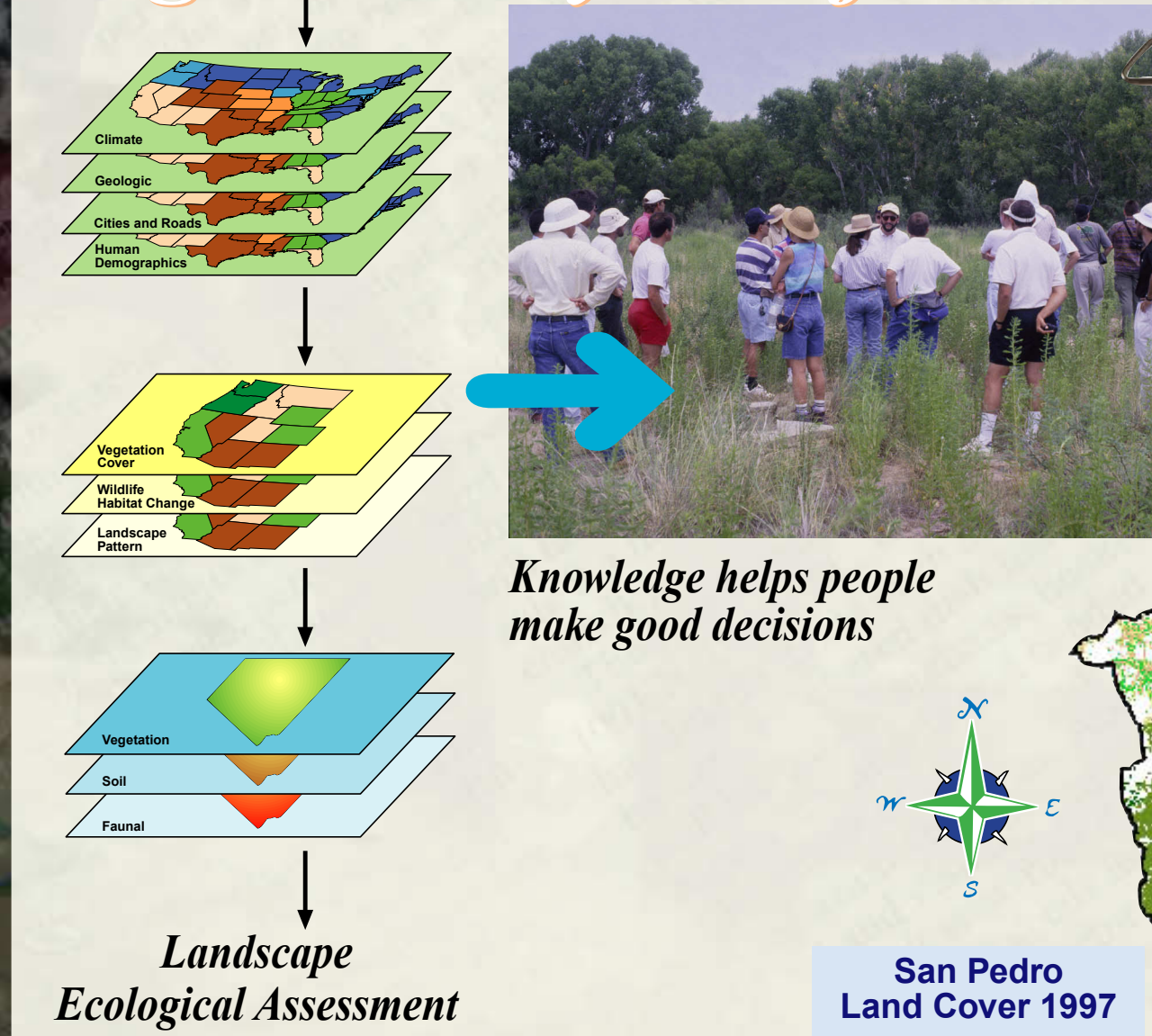
Abstract

The way we communicate is rapidly changing. Print, radio, television, and computers have a great impact on the speed, volume and substance of what we can comprehend. The Internet joins all of these types of communication and adds something more to form the basis of a very powerful communication tool. People can use the Internet to receive news, weather, sports, market products, and talk to other people around the world. The additional benefit of Internet communication is the ability to readily organize and distribute what you need to say for a changing audience. Scientists use this tool to exchange ideas, share results and distribute data with other scientists. The flexibility of the Internet permits scientists to also inform people of recent scientific findings which otherwise might not be communicated or be available to the public.

The Landscape Ecology Branch of the U.S. Environmental Protection Agency assembled a biophysical database for the San Pedro River Watershed. This effort started as a result of a recommendation from the Commission for Environmental Cooperation's report **Ribbon of Life**, 1999, which states, "A San Pedro watershed database should be developed to unite and organize available data for the public and experts." This data, gathered from many different agencies, is unique in that it represents landscape patterns and biological and physical processes which occur within the San Pedro River Watershed or catchment area. Waters which flow through the catchment area will be affected by these processes. For example, if soils are nutrient rich, rain waters will carry some of those nutrients through and eventually out of the San Pedro River Basin. Progress is being made to link landscape assessment methods with water quality data. We believe that landscape level assessments of watersheds will help the public see their home from a different perspective. With this perspective, wise decisions can be made on land use practices to help protect and improve our environment.



Begin Analysis of Data



Data Download

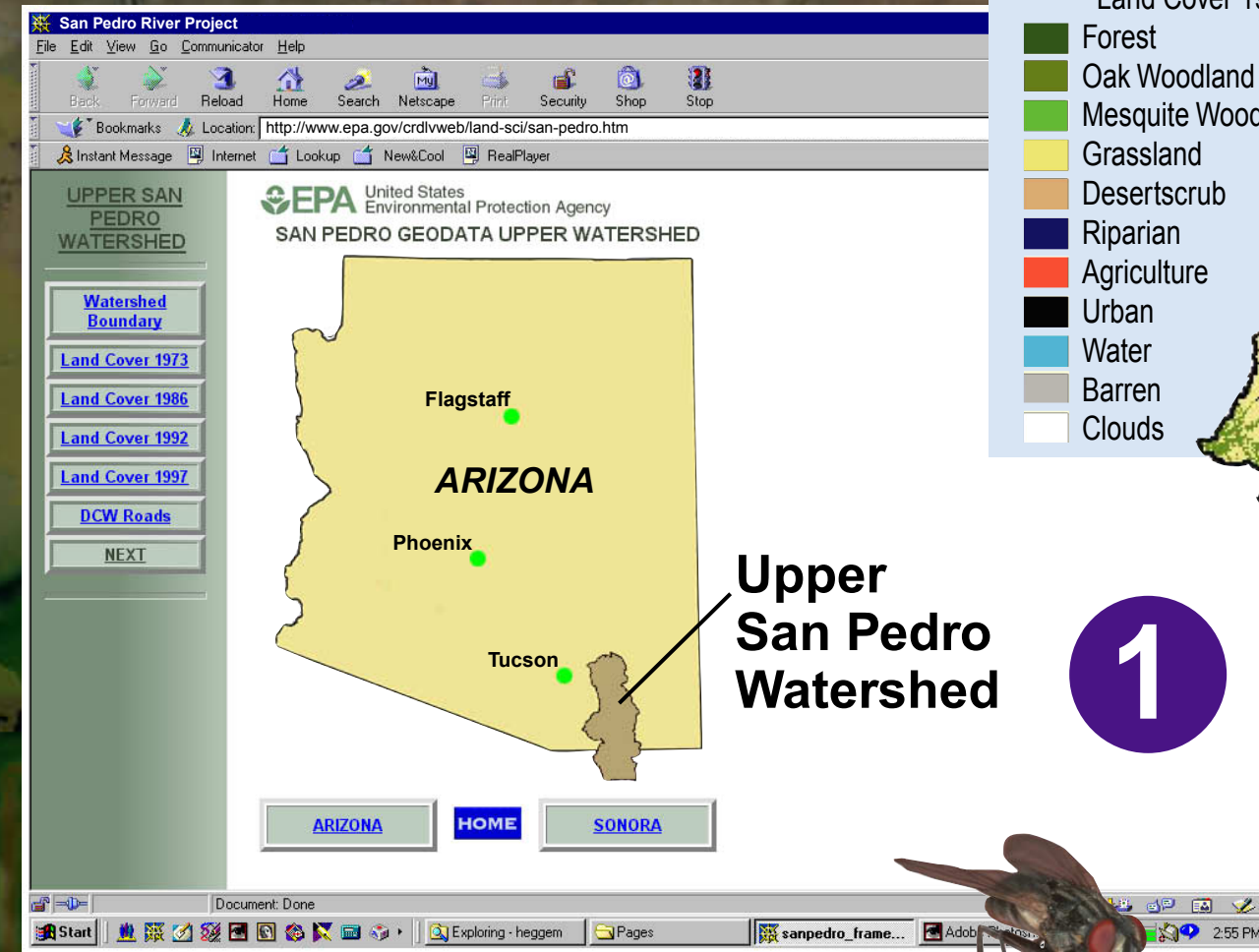
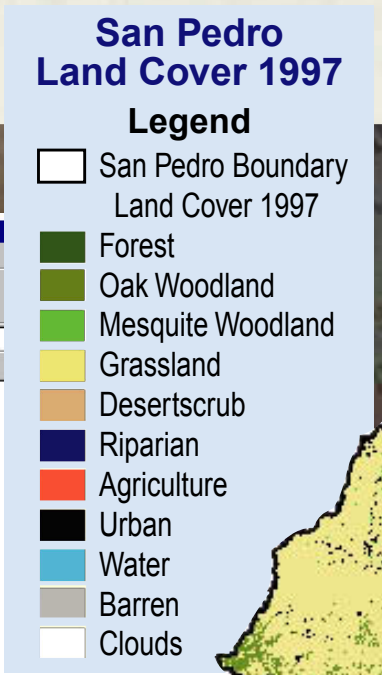
1. San Pedro River Project website home page.

2. San Pedro Land Cover 1997 data download screen.

3. Metadata screen for San Pedro Land Cover 1997, including description, organization name, and contact information.

4. Security warning dialog box.

5. File download dialog box.



San Pedro River Project

United States Environmental Protection Agency

UPPER SAN PEDRO RIVER

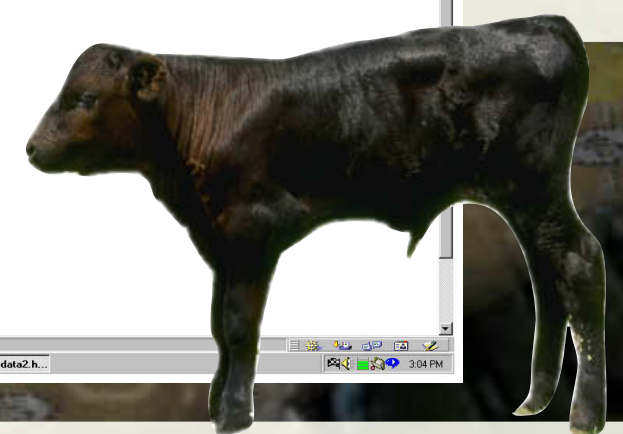
Overview

The San Pedro Data Browser was developed by the Landscape Ecology Branch of the U.S. Environmental Protection Agency (Las Vegas, NV). The goal of the Landscape Sciences Program is to improve decision-making relative to natural and human resource management through the development of an integrated system of landscape change detection metrics and models. The program has proceeded simultaneously along two lines, 1) a research component to develop and test landscape indicators and assessment protocols, and 2) an implementation component to demonstrate the application of landscape analysis protocols to ecological and hydrological assessments via a number of geographic summaries.

San Pedro Geodata

United States Environmental Protection Agency

Map showing the watershed boundary and various geographic features.



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The San Pedro Data Browser provides spatial data in a user-friendly and accessible on-line format to other researchers, public agencies, resource managers, non-governmental organizations, decision-makers, and user groups. The Data Browser features easy data download and includes the data documentation (*metadata*) to assure data usability. This product provides for long term record keeping (*archiving*) and easy access to an exceptional assemblage of spatial data for this internationally significant watershed.

See <http://www.epa.gov/crdl/wb/land-sci/san-pedro.htm> for more information.