



The header features a dark blue background with a white logo on the left consisting of three interconnected nodes. The main text reads "REGIONAL WORKBENCH CONSORTIUM" in large white letters, with the tagline "Using the Technologies of Tomorrow for the Problems of Today" below it. On the right, there is a "MY RWBC ACCOUNT" section with "Sign In" and "Register" buttons. A navigation bar below the main text lists "ABOUT | PROJECTS | EVENTS | TOOLS & APPLICATIONS | COMMUNICATION CENTER | EDUCATION CENTER |". A search bar with a "Search" button and "HELP | SITE MAP |" links are also present.

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All RWBC Projects:

[RWBC Web Development Project](#)

The purpose of the web development project is to provide information display methods and web services to researchers and users of the RWBC web site.

[Colonia Diez De Mayo](#)

Colonias and Irregular Human Settlements in the U.S.-Mexico Border Region
Creating a Collaborative Plan for Community Redevelopment and
Transnational Investment in Urban Infrastructure at the San Diego-Tijuana Border

Project funded by the UCSD Civic Collaborative and Superfund Basic Research Program

[Watershed Planning Support System](#)

We are building a watershed-scale partnership that will extend the information and visualization innovations of university research to a group of local and regional government agencies and private companies, all seeking to address crucial problems in sustainable economic and regional development. The partnership's overarching goal is to work together in building an integrated watershed-based information system and set of visualization tools that can help break down barriers to effective planning and environmental management at a regional/watershed scale.

[Regional Planning Chronologies](#)

This project takes the "long look" at equity through the official, invisible, and visionary planning histories of San Diego. We are looking at innovative ways to make use of information technology to provide integrated views of regional planning history.

[3D Regional Canvas for the Californias. Part 1](#)

Spatial distribution of natural and man made features respond to the sinuosity of the terrain relief and to the relative height or depth from sea level. Proximity to the coastline is also an influential factor. A digital elevation model for the Southern California-Northern Baja California is pursued as a 3D canvas to be draped with different themes for a better understanding the transborder region of the Californias.

[3D Regional Canvas for the Californias - Part 2: Web-based Educational Version](#)

The web-based version of the Regional WorkBench Consortium's 3D Regional Canvas of the Californias is intended to provide free access to 3D visualization tools from anywhere in the world for decision-makers and educators in a wide range of disciplines including regional planning, water quality management, sustainable development, and homeland security.

[Online Interactive Mapping of Superfund Toxicants and Quality of Life Indicators](#)

Online interactive mapping applications of the San Diego/Tijuana are being developed as a means of providing democratic access to environmental and social geographic information. These applications will

allow citizens, researchers, and professionals to be able to build a better holistic "picture" of the current state of the entire region.

Resource Stewardship Enhancement Project

What is the San Diego River? Traditionally disparate interests have come together to redefine the river and the future of its 440 square mile watershed. This project looks at the increasingly important role of the partnership between governmental entities and non-governmental groups in protecting natural and cultural resources, and the invaluable role that technology can have in enhancing management and public policy decision making.

Interactive Web-based tools for Regional Planning Decision-makers

Regional planning decision-makers have a growing need for interactive, intuitive tools to use in presentations, workshops, and symposia, but cost, specialized features, and the lack of experience of many attendees make the use of high-end GIS software prohibitive. The RWBC provides expertise in how to apply education courseware development tools to fill the void between standard presentation software such as PowerPoint® and high-end GIS software such as ArcGIS®.

Los Laureles Canyon - Erosion Control Project

Los Laureles Canyon is a small 4.6 mile sub-watershed of the Tijuana River Watershed. It is located only about 1-2 miles from the coast and 90% of the watershed lies in Mexico. This sub-basin is of particular interest and concern as it flows directly into the Tijuana River National Estuarine Research Reserve (TRNERR) and is a significant source of sediment in the south end of the Estuary. Over time, this sub-basin has become increasingly developed and degraded, and lacks the basic infrastructure to support this development. Representatives from agencies in Mexico and the United States will work together on a community based slope stabilization and erosion control project located within Los Laureles Canyon, under the scope of the TRNERR's new Coastal Training Program (CTP). This project aims to restore Los Laureles Canyon, to prevent sedimentation into the Tijuana River Valley, and offer quality passive recreation for the residents of Tijuana through numerous goals and objectives. This trans-border effort will promote a sustainable approach to the erosion control problem, achieving success in the environmental and social realms.

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