

Roadmap Summary

Purpose, Vision, & History

The **purpose** of the CCRN is to implement a regional network of water-management projects that meet the long-term needs of the Sierra Vista Subwatershed.

The **vision** of the CCRN is a flowing San Pedro River, the conservation of water resources, and a vibrant local economy.

CCRN was formed 2015 by the City of Sierra Vista, Cochise County, Hereford Natural Resource Conservation District, and The Nature Conservancy. The City of Bisbee joined in 2016.

The Roadmap

The Roadmap establishes the CCRN's **Five-Year Goals (2016–2020)**, which fall into three categories: recharge, conservation, and funding. The CCRN developed specific objectives and strategies for each of these goals over the next five years. The objectives and strategies will periodically be reviewed and updated as necessary to meet the goals. As part of the Roadmap, the attached site status table, project timelines and implementation tables, outreach matrix, hydrologic monitoring program table and summary of funding opportunities will be routinely reviewed and updated.

The Network

The conservation and recharge network currently consists of six sites, totaling 8,700 acres along the Upper San Pedro River, as shown on the **Site Location Map** and the site detail maps for **Three Canyons – Palominas – Horseshoe Draw Projects** and the **Bella Vista - Sierra Vista EOP - Riverstone Projects**. Each site has been selected for its potential to recharge and/or conserve water to benefit the river. The sites offer diverse but complementary hydrologic functions at a regional scale. These functions include the ability to retire historic high-volume pumping, and/or to preclude high-volume future pumping near the alluvial aquifer, and to recharge effluent, urban enhanced runoff (UER) and/or diffuse stormwater in key locations. Additional sites that are capable of enhancing the vision of the CCRN may also complement this network and be promoted by the CCRN in the future.

Status of Network Sites

The **Site Status Table** shows the CCRN's progress acquiring and investigating sites and local water supplies and obtaining funding to construct and operate projects. Site ownership varies: one is private ranch land with the project site acreage owned by Cochise County, another is owned by the City of Sierra Vista, and the others are owned and managed by Cochise County. Five of the six sites have, or will have, conservation easements; the *Sierra Vista Environmental Operations Park (EOP)* is the one exception.

The **Project Timeline** depicts the current and projected status of all sites through 2020, from site investigations through construction, operation and maintenance of infrastructure, to long-term monitoring. Three recharge sites are already in operation: the Sierra Vista EOP, Palominas Flood Control and Recharge Facility, and the Horseshoe Draw sediment control project. The first water conservation project is also in place at Three Canyons – which is conserving water by retiring high-volume pumping wells and limiting future residential development.

The next highest priority recharge sites for future development are Horseshoe Draw effluent recharge project and Bella Vista because sufficient volumes of water for recharge are potentially available at both sites. In 2017-18, funding was secured for final investigations and design at Bella Vista. Securing funding for construction of Bella Vista and Horseshoe Draw effluent projects (assuming water supply agreements are in place) is a high priority.

The recharge feasibility investigations at Riverstone are complete; however, source water for recharge at this site is not currently available, so recharge facilities will not be constructed in the near future. Also, as of 2016, baseline monitoring of groundwater and/or surface water is now in place at all sites. Long-term funding of the monitoring network still needs to be secured.

Project Implementation

Detailed **Project Implementation Tables** outline the anticipated action steps and schedule through 2019 (by quarter) for each site. Tasks are assigned to individual CCRN members. These tables will be reviewed and updated at CCRN meetings to reflect new information and changing conditions over time.

Hydrologic Monitoring Program

The CCRN **hydrologic monitoring program** strives to collect and report a consistent suite of data across the network that aids in establishing source water availability, project effectiveness, and regulatory compliance. The monitoring program table will be reviewed and updated as annual surface water and groundwater monitoring results are analyzed and to reflect adaptations made to the monitoring program.

Funding & Outreach

The **Funding Opportunities** document summarizes the potential sources of funding for CCRN projects. It identifies the CCRN priorities and critical dates for pursuing funds given the implementation schedule. The **Outreach Matrix** helps CCRN members coordinate efforts for building the support needed for implementing projects. It shows who will contact and/or maintain connections with specific individuals and agencies regarding project needs — in particular, permitting, funding, and technical issues.