

The map at right shows the extent of the SPRNCA shaded in gray. Numbers 1-14 on the map correspond with riparian health assessment reaches. The green numbers and shapes alongside the map represent the current CCRN project sites, and the blue numbers and shapes show future projects.

### 1 Babocomari Floodplain Protection Site

This 105-acre site precludes future pumping through conservation easements. Located along the Babocomari River, the largest tributary to the Upper San Pedro, the project protects the natural floodplain. Flood flows during summer monsoons increase groundwater levels that support riparian vegetation and stream flows.

### 2 Coyote Wash Stormwater Management Project (future)

This 3,000-acre parcel precludes future pumping in a critical area that supports river baseflows and creates a buffer zone that protects the river from municipal groundwater pumping centers. The project will direct urbanized runoff from Sierra Vista in an ephemeral stream channel to raise groundwater levels, reduce runoff and erosion, and protect water quality in the San Pedro River.

### 3 City of Sierra Vista Effluent Recharge at the Environmental Operations Park

This project recharges the city's Class A-quality treated effluent and is raising groundwater levels in a critical area. Operation and monitoring began in 2002. Approximately 2,700 AF/yr is recharged between the recharge basins and constructed wetlands.

### 4 Riverstone Effluent Project (future)

This 1,800-acre parcel precludes future pumping adjacent to the SPRNCA. It includes the ephemeral channels of Ramsey and Carr washes, portions of which are designated as critical habitat for the threatened western yellow-billed cuckoo. Effluent from the City of Sierra Vista will be used to replenish the aquifer and restore degraded critical habitat connected to the riparian corridor of the San Pedro River.

### 5 Three Canyons Conservation Site

The City of Sierra Vista holds a conservation easement on this 480-acre parcel, which has been retired from high-volume irrigation pumping. The project permanently limited future groundwater pumping and development.

### 6 Palominas Stormwater Recharge and Flood Control Project

This multi-benefit project conveys natural sheetflow runoff from surrounding areas into a large detention basin, mitigating flooding and enhancing recharge in a constructed downstream channel. The project's 13 recharge cells and enhancement structures (6 dry wells and 3 infiltration trenches) reduce the evaporative losses of stormwater by infiltrating more runoff back into the ground.

### 7 Horseshoe Draw Sediment Control and Stormwater Recharge Project

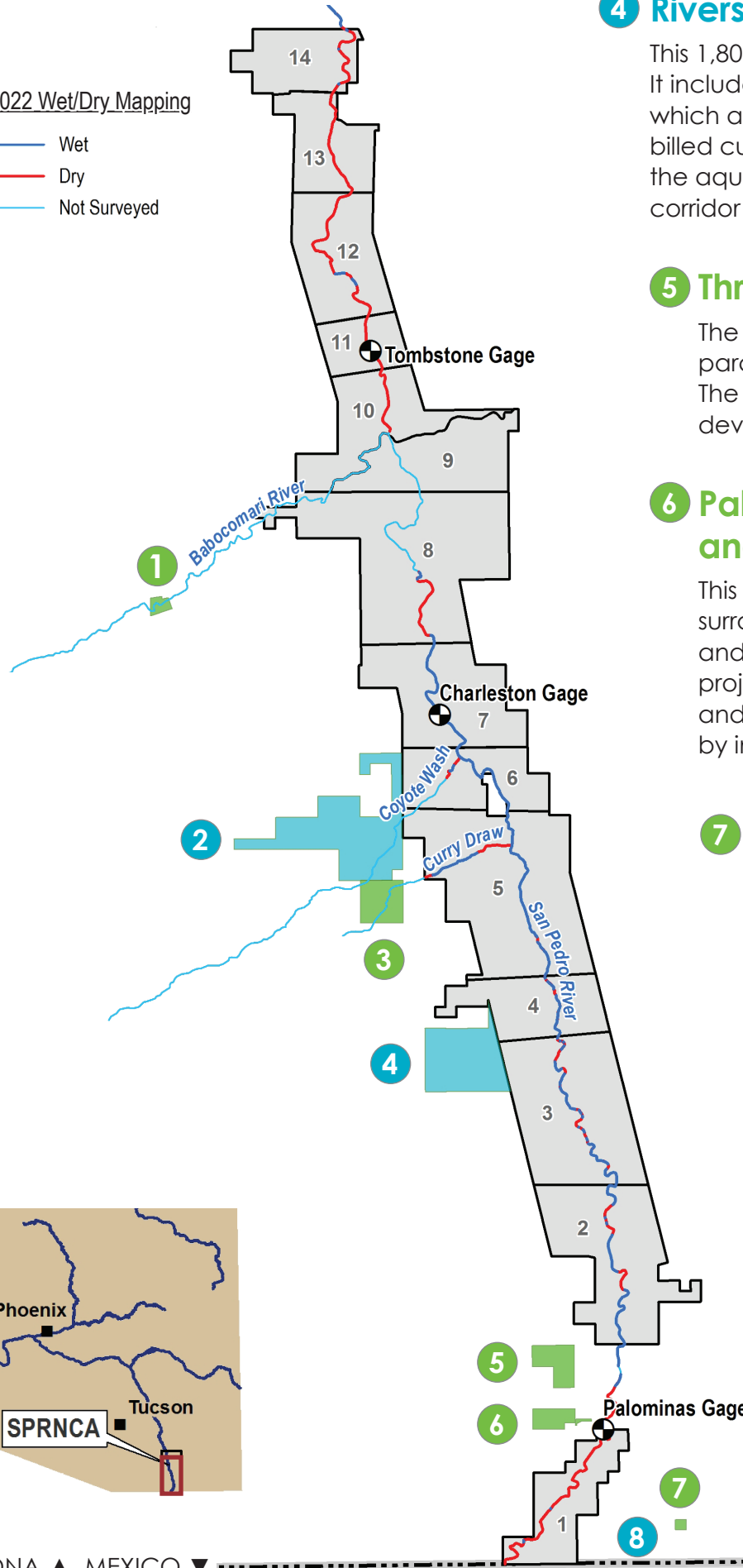
Horseshoe Draw is an ephemeral tributary to the Upper San Pedro River. This project receives accelerated runoff that originates in the San Jose Mountains in Mexico. Before the recharge project was constructed, a large head-cut had been steadily eroding Horseshoe Draw upstream of its confluence with the San Pedro River. The project consists of a 10-acre detention basin that collects and slows the runoff, enhances infiltration to the aquifer, and improves downstream water quality.

### 8 Bisbee Effluent Recharge Project (future)

This project will be located between the international border and Highway 92 in Palominas at a location to be determined. Over 20 years of monitoring data show longer reaches of the river are becoming dry in this area during the summer months. The project will recharge a minimum of 200 AF/year of effluent transported via a 13-mile pipeline from the City of Bisbee's San Jose Wastewater Treatment Plant.

2022 Wet/Dry Mapping

- Wet
- Dry
- Not Surveyed



Annual Water Benefits in Acre-Feet, 2022

