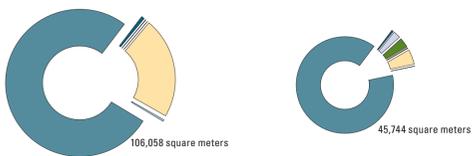
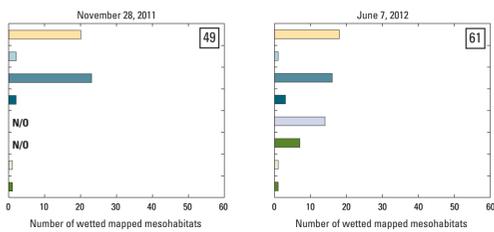
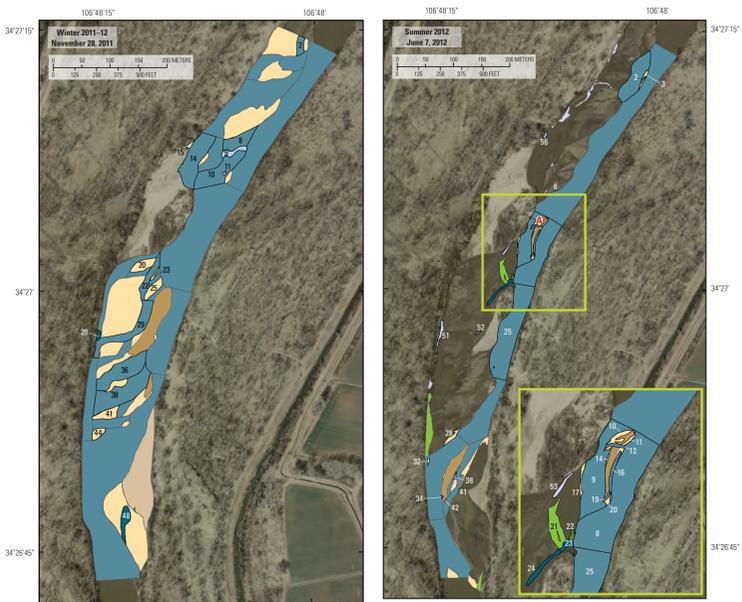
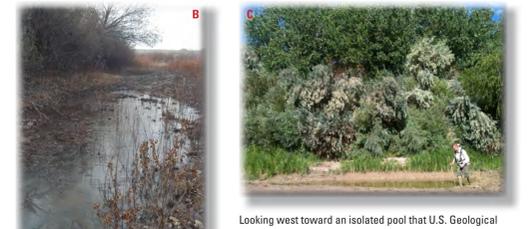
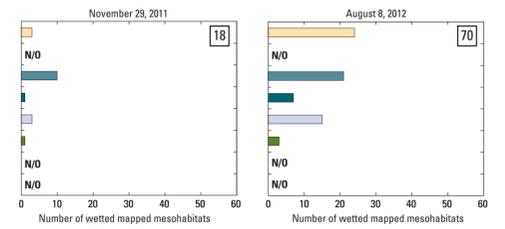


Abeytas Sampling Site



Looking west toward a burn-scarred area from a submerged channel bar in the upstream end of the Abeytas sampling site. U.S. Geological Survey personnel delineating mesohabitats and editing the map product output. Photograph by Michael D. Porter, U.S. Army Corps of Engineers, June 7, 2012.

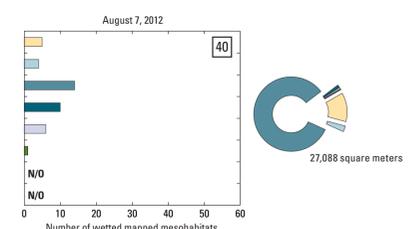
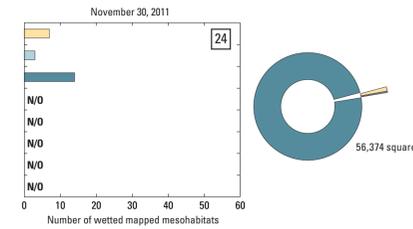
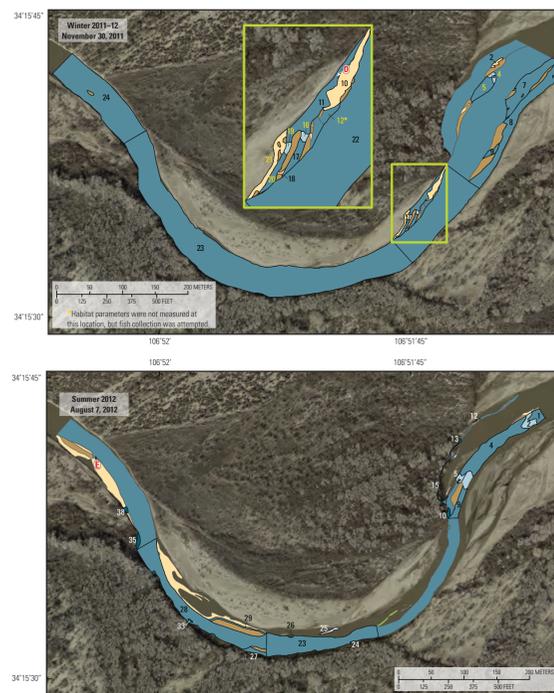
La Joya Sampling Site



Looking southwest at an isolated pool near the upstream end of the La Joya sampling site. Photograph by Daniel K. Pearson, U.S. Geological Survey, November 28, 2011.

Looking west toward an isolated pool that U.S. Geological Survey hydrologist is delineating in the upper half of the La Joya sampling site. Photograph by Daniel K. Pearson, U.S. Geological Survey, August 8, 2012.

Rio Salado Sampling Site

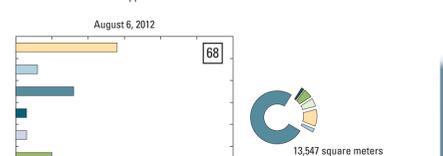
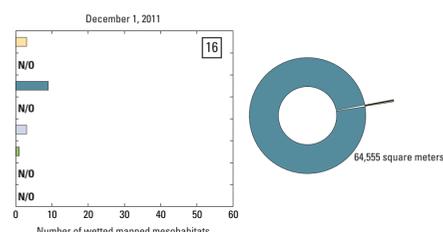
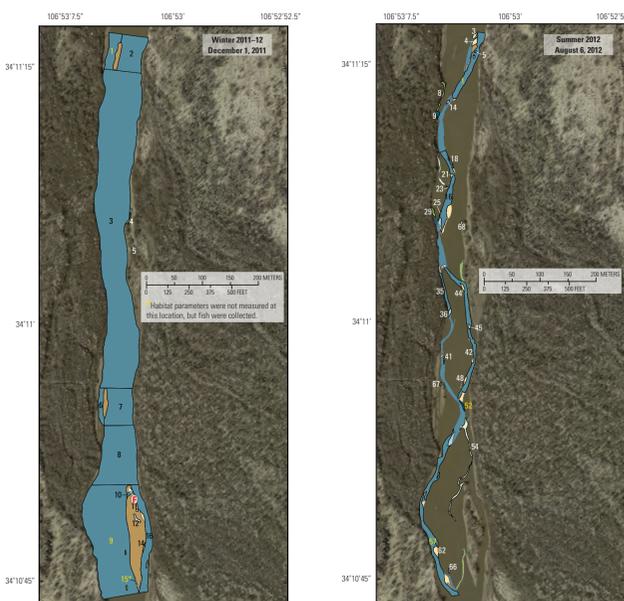


Looking southwest toward point bar with loose livestock in the Rio Salado sampling site. Photograph by Daniel K. Pearson, U.S. Geological Survey, November 30, 2011.



Looking northwest toward the downstream end of the Rio Salado sampling site. Suspended sediment (visible in the run shown in the foreground) is caused by reduced channel velocity associated with local hydraulics caused by San Acacia Diversion Dam. Photograph by Daniel K. Pearson, U.S. Geological Survey, August 7, 2012.

Lemitar Sampling Site



Measuring depths and velocities in a run (mesohabitat ID 10). Photograph by Daniel K. Pearson, U.S. Geological Survey, December 2, 2011.



Facing northward from the Chaparral Loop Bridge approximately 4.6 miles downstream from the Lemitar site. Photograph by Daniel K. Pearson, U.S. Geological Survey, August 6, 2012.

Wetted mesohabitat area

45,744 square meters**

***Not included in wetted mesohabitat area donut graphs or bar graphs showing number of wetted mesohabitats mapped**

****Total areal extent of wetted mesohabitat mapped**

NOTE: Mesohabitat area donut plots are scaled relative to one another as a function of area.
NOTE: Numbered mesohabitats labeled in yellow correspond to the subset of mesohabitats where Rio Grande silvery minnows were caught.
NOTE: Numbered mesohabitats that are outlined in black on maps correspond to the subset of mesohabitats where physical habitat measurements (land water-quality properties were measured in summer 2012) and fish collection was attempted.

ABBREVIATIONS and EXPLANATION

August 11, 2012 Date site was mapped

93 Total number of wetted mesohabitats mapped

U.S. Geological Survey sampling sites short names and map identifier

- Peña Blanca, PNB
- Bernalillo, BRN
- La Orilla, LOR
- Barelas, BAR
- Los Padillas, PAD
- Los Lunas I, LL1
- Los Lunas II, LL2
- Abeytas, ABY
- La Joya, LJO
- Rio Salado, RSL
- Lemitar, LEM
- Arroyo del Tajo, ATJ
- San Pedro, SPD
- Bosque del Apache I, BA1
- Bosque del Apache II, BA2

Photo identifier and direction facing when photograph was taken

Base credit in maps for Abeytas, La Joya, Rio Salado, Lemitar, Arroyo del Tajo, San Pedro, Bosque del Apache I, and Bosque del Apache II (sheets 5, 6, and 7)

Base from Bureau of Reclamation, February 2012, 1:5-foot resolution compressed mosaic, New Mexico State Plane Central Zone, North American Datum of 1983

Fish Assemblage Composition and Mapped Mesohabitat Features Over a Range of Streamflows in the Middle Rio Grande, New Mexico, Winter 2011–12, Summer 2012

By
Daniel K. Pearson, Christopher L. Braun, and J. Bruce Moring
2015

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