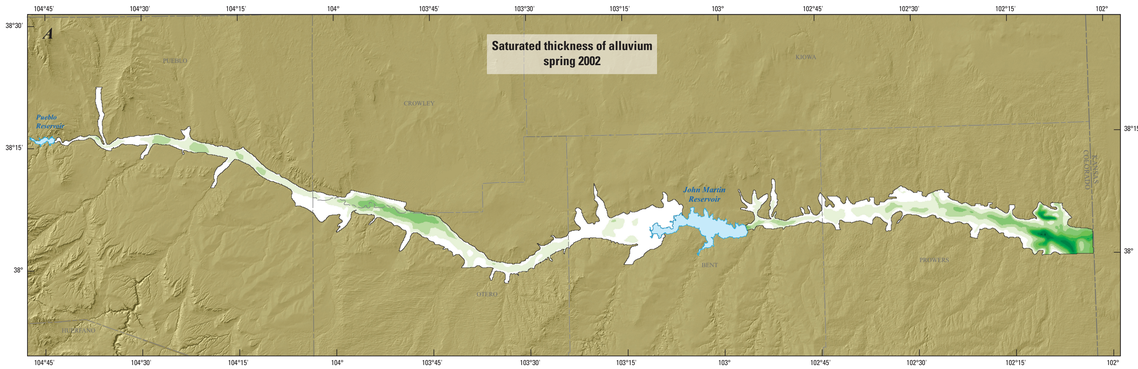
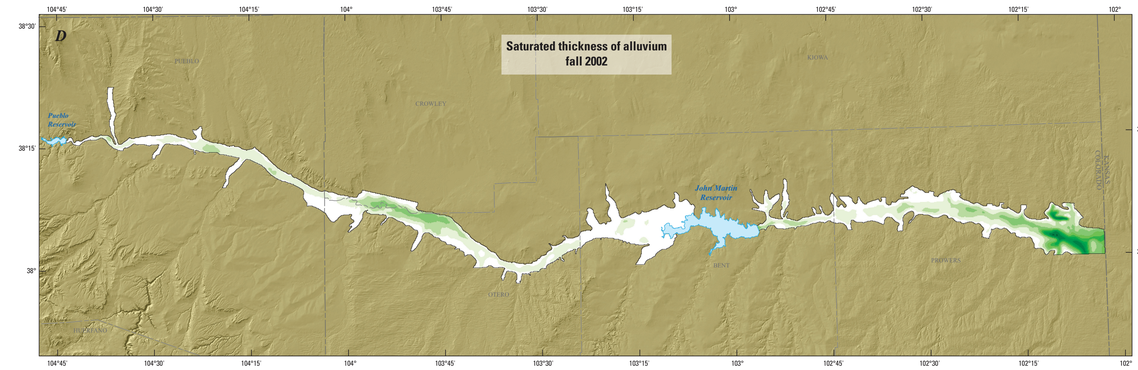
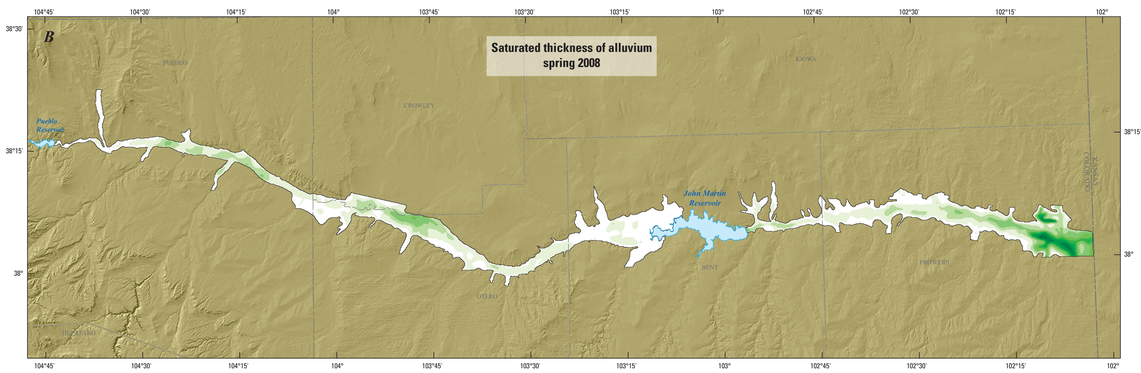
U.S. Department of the Interior
U.S. Geological Survey

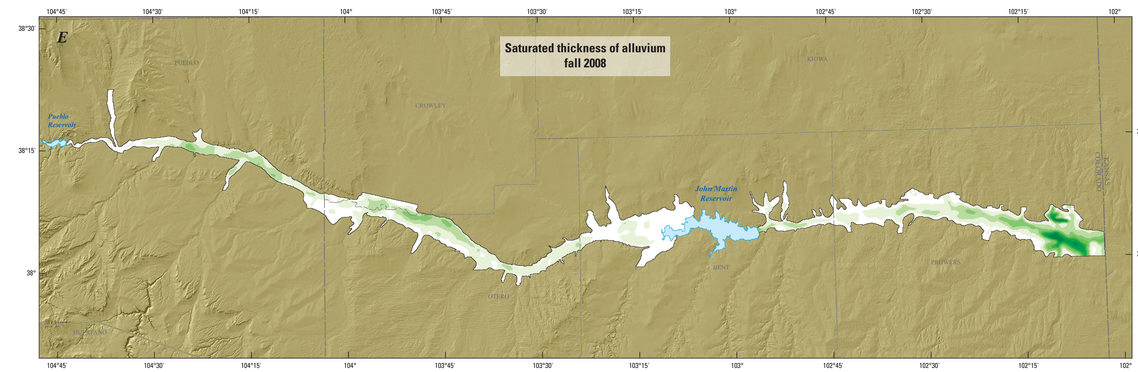
Prepared in cooperation with the
Lower Arkansas Valley Water Conservancy District

Scientific Investigations Map 3378
Sheet 3 of 3
Pamphlet accompanies map





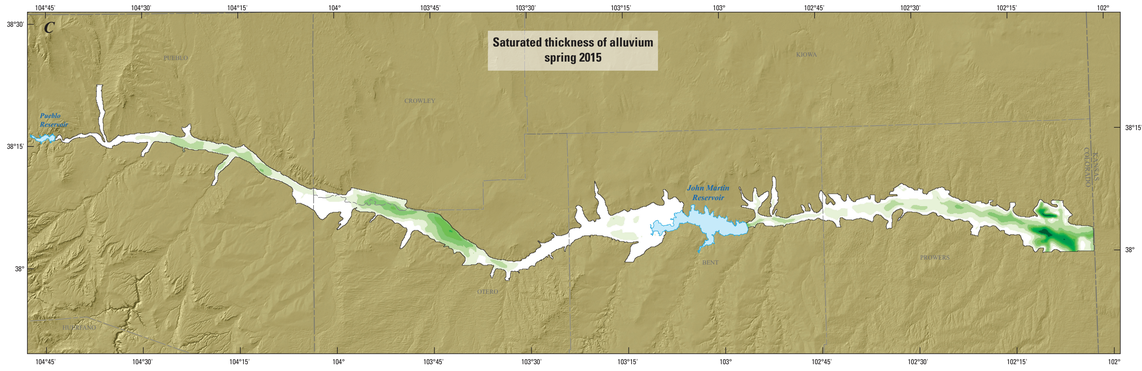


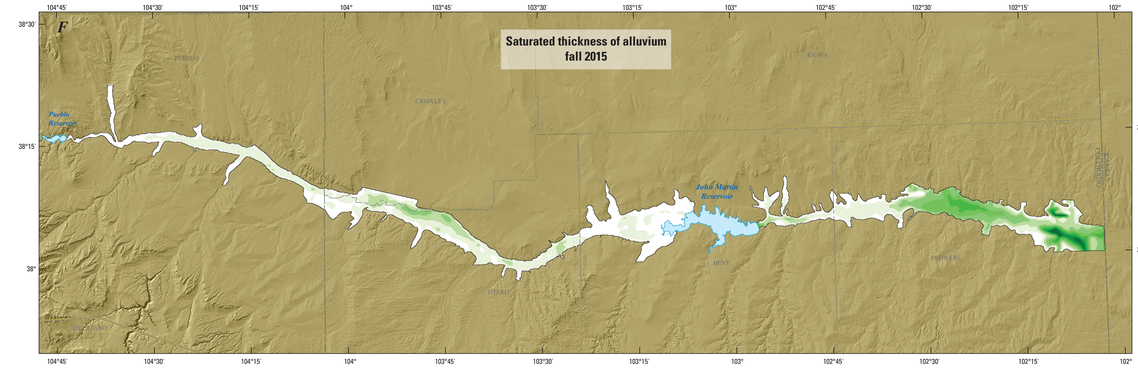


EXPLANATION

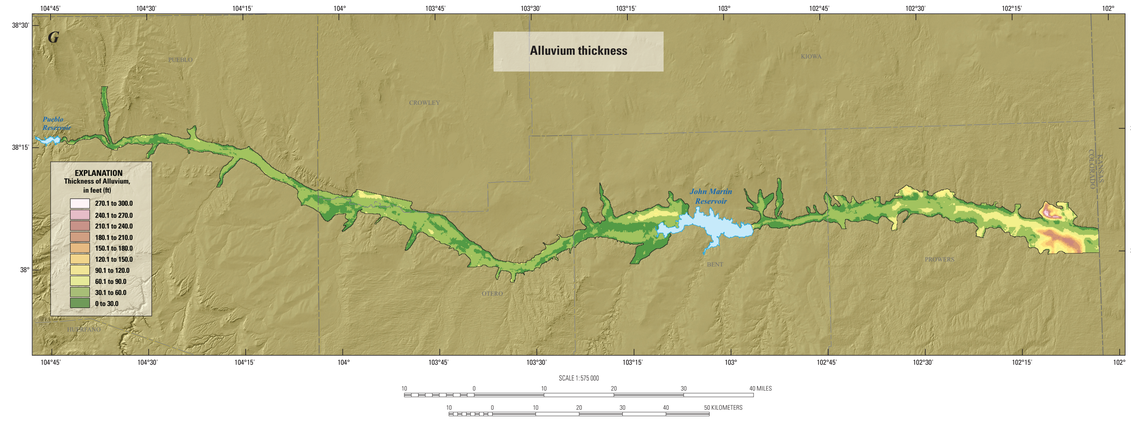
Estimated saturated thickness, in feet (ft)

- 225.1 to 230.0
- 200.1 to 225.0
- 175.1 to 200.0
- 150.1 to 175.0
- 125.1 to 150.0
- 100.1 to 125.0
- 75.1 to 100.0
- 50.1 to 75.0
- 25.1to 50.0
- 0 to 25.0





Base from U.S. Geological Survey National Elevation Dataset (NED), accessed in 2012, and available at https://catalog.data.gov/dataset/usgs-national-elevation-dataset-ned
Universe Transverse Mercator projection, zone 13
Cities, towns, and State and County boundaries from U.S. Department of Commerce, U.S. Census Bureau, accessed May 2016 at http://datagateway.nrcs.usda.gov/
Reservoir Boundaries from Colorado Division of Water Resources, accessed May 2016 at http://datagateway.nrcs.usda.gov/.



EXPLANATION

Thickness of Alluvium, in feet (ft)

- 270.1 to 300.0
- 240.1 to 270.0
- 210.1 to 240.0
- 180.1 to 210.0
- 150.1 to 180.0
- 120.1 to 150.0
- 90.1 to 120.0
- 60.1 to 90.0
- 30.1 to 60.0
- 0 to 30.0

Valley fill boundary from Hurr and Moore (1972), and Nelson and others (1989a, b, c).
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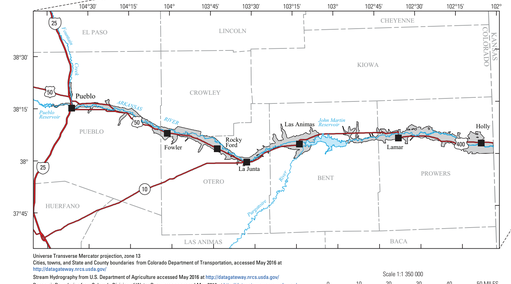

EXPLANATION

- Study area
- River or creek
- County boundary
- State Boundary
- 25 Interstate route
- 287 U.S. route
- 10 State route
- La Junta City or town

Universe Transverse Mercator projection, zone 13
Cities, towns, and State and County boundaries from Colorado Department of Transportation, accessed May 2016 at http://datagateway.nrcs.usda.gov/
Stream Hydrography from U.S. Department of Agriculture accessed May 2016 at http://datagateway.nrcs.usda.gov/
Reservoir Boundaries from Colorado Division of Water Resources accessed May 2016 at http://datagateway.nrcs.usda.gov/.
Roads from U.S. Department of Commerce, U.S. Census Bureau, accessed July 7, 2016 at https://gis.sci.egov.usda.gov/50GDrder.aspx

Scale 1:1 350 000
0 10 20 30 40 50 MILES
0 10 20 30 40 50 KILOMETERS

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Estimated Saturated Thickness of the Alluvium, Spring 2002, 2008, and 2015; Fall, 2002, 2008, and 2015, and Estimated Thickness of the Alluvium in the Lower Arkansas River Valley, Southeast Colorado

By
Michael J. Holmberg
2017

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Report digital files available at https://doi.org/10.3133/sim3378 or https://pubs.usgs.gov/sim/3378

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