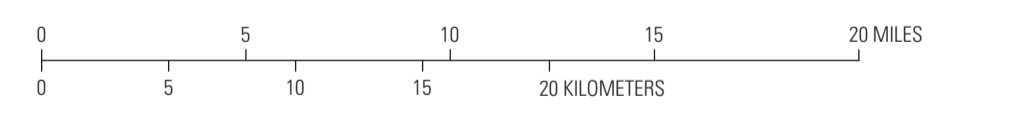


Base from U.S. Geological Survey digital data  
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Universal Transverse Mercator projection, zone 13N  
North American Datum of 1983



- Horace Springs**
- Select spring location, and name, discussed in report
  - Well with hydrograph and identifier
  - ▲ Streamgauge used for specified inflow to the Streamflow-Routing (SFR2) package, with USGS site number
  - Location of Homestake mill discharge to SFR2
  - Location of Grants waste-water-treatment plant discharge to SFR2
  - Outlet of Rio San Jose from MODFLOW-NWT
  - Outlet of Rio Puerco from MODFLOW-NWT
  - ◆ Location of Bluewater-Toltec Irrigation District diversion from SFR2

- EXPLANATION**
- Volcanic vent (Sweetkind and others, 2020)
  - Igneous dike (Sweetkind and others, 2020)
  - Continental Divide
  - Fault parameter groups, sense of slip not shown (Sweetkind and others, 2020)
  - Offsets pre-Quaternary units and northwest strike
  - Offsets pre-Quaternary units and north strike
  - Offsets pre-Quaternary units and northeast strike
  - Offsets Quaternary units and northwest strike
  - Offsets Quaternary units and north strike
  - Offsets Quaternary units and northeast strike

- Rio San Jose Basin (defined in this report as the surface-water drainage basin; active Precipitation-Runoff Modeling System area)
- Active MODFLOW-NWT area
- Rio San Jose Integrated Hydrologic Model extent, showing location of every 50th grid cell row and column
- Grid cell used to simulate the stream network and springs with the SFR2 package
- Stream network
- Spring located in an existing stream network grid cell
- Spring not located in an existing stream network grid cell

- Line of section
- Grid cell used to simulate groundwater flow across model boundaries with the General-Head boundary package. No-flow where no General-Head boundary.
- Middle Rio Grande Basin (MRGB) boundary - Rio Salado region
- MRGB boundary - San Juan Basin North region
- MRGB boundary - San Juan Basin South region
- MRGB boundary - Western region
- MRGB boundary - Southwest region
- Northern boundary
- Western boundary

## MODFLOW-NWT Stream Network, Streamgauge Locations, Selected Geologic Features, and Grid Cells Used to Simulate Groundwater Flow Across Model Boundaries

By  
Andre B. Ritchie, Shaleene B. Chavarria, Amy E. Galanter, Allison K. Flickinger,  
Andrew J. Robertson, and Donald S. Sweetkind  
2023

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