**GIS Work Products Supporting the WRFS Solver:**

1. Hydrographic area boundaries (*HA\_WRFS\_Eakin1966.shp*).
2. PRISM precipitation-grid file clipped to the rectangular extent of the WRFS (PRISM, 2010a; normal 800-meter, version 3) (*prism\_800mv3*).
3. 1-inch precipitation contours for the WRFS domain derived from the PRISM precipitation grid (*PRISM\_800m\_1in\_Contour\_Polyline.shp*).
4. 1-inch precipitation polygons derived from the 1-inch precipitation contours:
   1. Used to derive precipitation-interval areas and their corresponding precipitation volumes that are used in the solver (*PRISM\_800m\_1in\_Contour\_Polygon.shp*).
5. Areas of “no recharge” were derived from the intersection of the following areas (*Area\_No\_Recharge\_WRFS.shp*):
   1. Areas where precipitation is less than or equal to 8 inches derived from the 1-inch precipitation contours (*Area\_Precipitation\_less\_than\_8in.shp*)
   2. Groundwater-ET extent boundaries (SNWA, 2009; Burns and Drici, 2011) (*GroundwaterETarea.shp*)
   3. Delineation of valley bottoms based on USGS DEM and processing steps reported in Burns and Drici (2011, p. F-12) (*Valley\_Bottom.shp*)
6. Watershed delineation for portions of Cave Valley interpreted to contribute outflow to White River Valley through Shingle Pass ( Burns and Drici, 2011; p. 7-11) (*Shingle\_Pass\_Watershed.shp*)

**WRFS Solver Additions:**

1. Additional language to worksheet “*1–Explanation*” was added to document additional worksheets that were added to the solver for the purpose of quantifying recharge for all basins of the WRFS given the solution reported in Burns and Drici (2011).
2. An itemization to worksheet “*2-Groundwater-ET&Boundary-Flux*” was added, and lists the groundwater-ET estimates and their respective data sources for the hydrographic areas of the WRFS.
3. Worksheet “*5-Basin-Recharge-calcs*” was added to quantify recharge estimates for all hydrographic areas of the WRFS given the solution reported in Burns and Drici (2011).
4. Worksheet “*6-Shingle-Pass-Outflow*” was added to quantify recharge for the portion of the Cave Valley that is interpreted to contribute outflow to WRV through Shingle Pass.
5. Worksheet “*7-Basin-Map*” was added to provide groundwater recharge and discharge estimates for the hydrographic areas comprising the WRFS.