

## Update on Characterization Data uploaded to the GDR Data Archive:

1. Utah FORGE areal extent – the Utah FORGE boundary GIS shapefile.
2. Water chemistry and geothermometers – links to water chemistry databases at the Utah Geological Survey and Nevada Bureau of Mines and Geology sites.  
<http://geology.utah.gov/resources/energy/geothermal/geothermal-resources-in-utah/utah-well-and-spring-database/>  
<http://www.nbmj.unr.edu/Geothermal/GeochemDatabase.html>
3. Temperature Gradients – a link to temperature gradient data at the Utah Geological Survey.  
<http://geology.utah.gov/resources/energy/geothermal/geothermal-resources-in-utah/#tab-id-3>
4. Heat flow – heat flow contours as GIS shapefiles.
5. Historical earthquakes – a link to the USGS Earthquake Hazards Program, Utah Earthquake Information site.  
<http://earthquake.usgs.gov/earthquakes/states/?region=Utah>
6. Digital geologic maps – a link to Utah geologic maps housed at the Utah Geological Survey.  
<http://geology.utah.gov/map-pub/maps/geologic-maps/>
7. Quaternary faults – a link to the USGS Earthquake Hazards Program.  
<http://earthquake.usgs.gov/hazards/qfaults/>
8. Opal mound fault – a GIS shapefile of the Roosevelt Hot Springs area Opal Mound fault.
9. Mineral Mountains joints/lineaments – a GIS shapefile of joint and lineaments mapped from 1 m spatial resolution color aerial photography.
10. High resolution digital color aerial photography – a link to aerial photography on the Utah Automated Geographic Reference Center.
11. ASTER multispectral satellite imagery – a link to ASTER imagery at the USGS Global Visualization Viewer site.
12. <http://glovis.usgs.gov/>
13. 10m digital elevation model – a link to DEM data at the Utah Automated Geographic Reference Center.
14. <http://gis.utah.gov/data/>
15. Roads -- a link to roads GIS data at the Utah Automated Geographic Reference Center.  
<http://gis.utah.gov/data/>
16. Transmission lines -- a link to transmission line GIS data at the Utah Automated Geographic Reference Center.
17. <http://gis.utah.gov/data/>
18. Land status – a link to land ownership GIS data at the Utah BLM site.  
[http://www.blm.gov/ut/st/en/prog/more/geographic\\_information/gis\\_data\\_and\\_maps.html](http://www.blm.gov/ut/st/en/prog/more/geographic_information/gis_data_and_maps.html)
19. Public Land Survey System (PLSS) to ¼ ¼ section - a link to PLSS GIS data at the Utah Automated Geographic Reference Center.
20. <http://gis.utah.gov/data/>

21. Well Acord 1-26 Logs and Data – well logs and data associated with well Acord 1-26.
22. Well 82-33 Logs and Data – well logs and data associated with well Acord 82-33.
23. Well 52-21 Logs and Data – well logs and data associated with well Acord 52-21.
24. Well 14-2 Logs and Data – well logs and data associated with well Acord 14-2.
25. Well 9-1 Logs and Data – well logs and data associated with well Acord 9-1.
26. Temperature contours at 200 m depth – a GIS shapefile.
27. Temperature contours at 1 km depth -- a GIS shapefile.
28. Temperature contours at 2 km depth -- a GIS shapefile.
29. Temperature contours at 3 km depth -- a GIS shapefile.
30. Temperature contours at 4 km depth -- a GIS shapefile.
31. Basin depth contours -- a GIS shapefile.
32. Milford area wells -- a GIS shapefile.
33. Geomechanical data -- triaxial test – data resulting from the test.
34. Strain – a link to the Nevada Bureau of Mines and Geology site.  
<http://www.nbmgs.unr.edu/Geothermal/Data.html>
35. Magnetotellurics – a GIS shapefile containing MT data.
36. Gravity data – a link to the Pan American Center for Earth and Environmental Studies (PACES) site.  
[http://irpsrvgis08.utep.edu/viewers/Flex/GravityMagnetic/GravityMagnetic\\_CyberShare/](http://irpsrvgis08.utep.edu/viewers/Flex/GravityMagnetic/GravityMagnetic_CyberShare/)
37. Total magnetic data a link to the Pan American Center for Earth and Environmental Studies (PACES) site.
38. [http://irpsrvgis08.utep.edu/viewers/Flex/GravityMagnetic/GravityMagnetic\\_CyberShare/](http://irpsrvgis08.utep.edu/viewers/Flex/GravityMagnetic/GravityMagnetic_CyberShare/)
39. Potentiometric contours – a GIS shapefile.
40. New water supply wells -- a GIS shapefile.
41. Water total dissolved solids – a Tiff image showing relative concentrations.
42. Groundwater tables and data – two drawdown models, the new water well location, a TDS concentration model, and an excel spreadsheet with well data.
43. Utah FORGE site earthquake animation (1991 – 2011).
44. Seismometers – a GIS shapefile showing locations.
45. Proposed seismic lines -- Three shapefiles show the position of proposed seismic surveys. The mid-crustal velocity anomaly file shows the extent of an anomalously low P-wave velocity zone in the subsurface.
46. Hydrothermal systems – a GIS shapefile displaying known hydrothermal systems in the Roosevelt Hot Springs area.
47. Proposed pipeline – a GIS shapefile file showing the location of the proposed water pipeline to pump water from the supply wells to the deep drill site.
48. Earthquake animation – a KML file showing earthquakes covering the period of 1991 – 2011.
49. Utah seismograph stations -- a link to the University of Utah seismograph site.  
<http://www.seis.utah.edu/>