Update Site Characterization Data Inventory:

All new data and updates to existing data realized during Phase 1 supporting the Conceptual Geologic Model and the suitability of the site to support GTO/FORGE goals and objectives

- Utah FORGE areal extent – the Utah FORGE boundary GIS shapefile
- Heat flow – heat flow contours as GIS shapefiles.
- Opal mound fault – a GIS shapefile of the Roosevelt Hot Springs area Opal Mound fault.
- Mineral Mountains joints/lineaments – a GIS shapefile of joint and lineaments mapped from 1 m spatial resolution color aerial photography.
- Temperature contours at 200 m depth – a GIS shapefile.
- Temperature contours at 1 km depth -- a GIS shapefile.
- Temperature contours at 2 km depth -- a GIS shapefile.
- Temperature contours at 3 km depth -- a GIS shapefile.
- Temperature contours at 4 km depth -- a GIS shapefile.
- Basin depth contours -- a GIS shapefile.
- Milford area wells -- a GIS shapefile.
- Geomechanical data -- triaxial test – data resulting from the test.
- Potentiometric contours – a GIS shapefile.
- New water supply wells -- a GIS shapefile.
- Water total dissolved solids – a Tiff image showing relative concentrations.
- Groundwater tables and data – two drawdown models, the new water well location, a TDS concentration model, and an excel spreadsheet with well data.
- Utah FORGE site earthquake animation (1991 – 2011).
- 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.
- Hydrothermal systems – a GIS shapefile displaying known hydrothermal systems in the Roosevelt Hot Springs area.
- 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.
- Earthquake animation – a KML file showing earthquakes covering the period of 1991 – 2011.
- Seismometers – a GIS shapefile showing locations.