

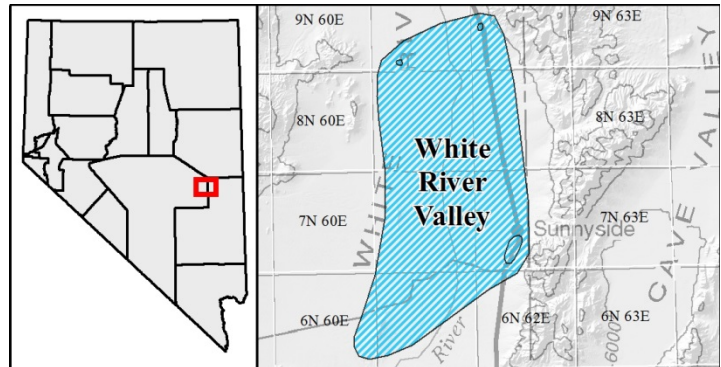
Site Description

White River Valley

(updated 2014)

Geologic setting:

The White River Valley is located approximately 60 km south of Ely, Nevada between the Grant Range and Schell Creek Range. The geology is classic Basin and Range structure due to tectonic extensional processes. Several geothermal features exist throughout the White River Valley but have had limited testing and information available (Garside and Schilling, 1979).



Geothermal features:

Flag Springs: Flag Spring 3 (Sec. 33, T7N, R62E) was reported 22°C when tested in 1984 by the USGS (Great Basin Groundwater Geochemistry Database).

Hot Creek Ranch Springs: Hot Creek Ranch Springs (Sec. 18, T6N, R61E) have been measured from 26.7°C to 33.3°C (Great Basin Groundwater Geochemical Database).

Moon River Springs: The most recent temperature taken at Moon River Springs (Sec. 25, T6N, R60E) was 32°C by the USGS water service in 1984 (Great Basin Groundwater Geochemical Database).

Moorman Spring: Moorman Spring (C N½SE¼ Sec. 32, T9N, R61E) is near of a number of Late Quaternary faults along the axis of White River Valley (Sawyer, 1998). The highest temperature reported is 37.8°C (Great Basin Groundwater Geochemical Database).

Riordan Ranch Springs: Riordan Ranch Springs, 5 km northeast of Moorman Spring, are at most 21.1°C (Garside and Schilling, 1979). These springs are associated with a Late Quaternary fault at the foot of the Egan Range.

Sunnyside Springs (T6N R61E S18): Warm spring with temperatures between 20 and 37°C (Garside and Schilling, 1979). The site was sampled 7/8/2013 and its temperature on that date was 30°C. The site is located near a campground where people have been known to take baths in the spring. Sampling crews were unable to reach the source of the spring in 2013, and proceeded as far as possible before the vegetation prevented further approach and location of the spring (Great Basin Groundwater Geochemical Database).

Leasing information:

N/A

Site Description

Bibliography:

[Garside, L.J., and Schilling, J.H., 1979, Thermal Waters of Nevada: Nevada Bureau of Mines and Geology Bulletin 91, 163 p.](#)

Great Basin Groundwater Geochemical Database, Nevada Bureau of Mines and Geology:
<<http://www.nbmg.unr.edu/Geothermal/GeochemDatabase.html>>.

Sawyer, T.L., Compiler, 1998, Fault Number 1345, Central Monitor Valley Fault, in Quaternary Fault and Fold Database of the United States, ver 1.0: U.S. Geological Survey Open-File Report 03-417, <http://qfaults.cr.usgs.gov>.