



Site Description

Luning

(updated 2010)

Geologic setting:

Geothermal features:

Prior to NBMG sampling, the aquifer geochemistry and geothermometry was unknown between Luning and Mina, northeast Soda Springs Valley. The Luning water tank well was sampled at its basal outflow point (19.7°C). Geothermometer values are low, at 46.1°C (Na-Ca-K-Mg) and 67.5°C (chalcedony). Location coordinates are 118.18023 W, 38.50221 N (NAD83). A handpump at the Luning rest stop was tested for pH, temperature, and conductivity, but not sampled (temperature was only 16.6°C). The water was clear and unscented.

East of Mina, the Southern Pacific Spring flows from a bedded rhyolite hillside and continues downslope 400m (17.4°C). The water is clear and unscented, and small leafy plants grow within the water. Geothermometer values are low-to-moderate, at 47.9°C (Na-Ca-K-Mg) and 89.7°C (chalcedony). Location coordinates are 118.06186 W, 38.42167 N (NAD83). The Rassler Wells W-01 and W-02 are housed in small chemical storage sheds containing calcium hypochlorite. Outflow tubes have thick calcium deposits inside, and would not be suitable for sampling on account of chemical contamination.

Leasing information: