

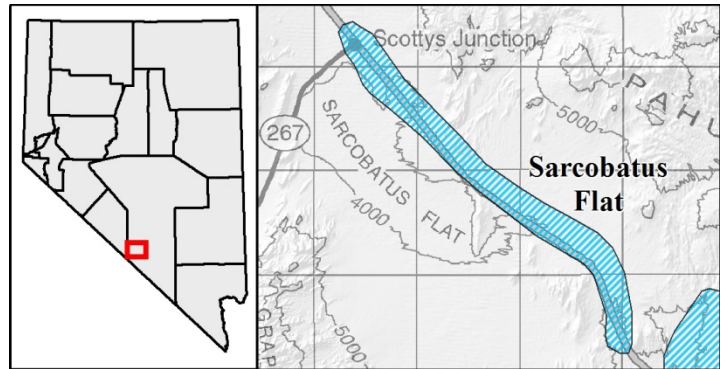
# Site Description

## Sarcobatus Flat

(updated 2014)

### Geologic setting:

Sarcobatus Flat is located near the Nevada-California border between the Grapevine Mountains and Bullfrog Hills towards the south, and the Slate Range towards the north. The general area of the Grapevine Mountains is underlain with Tertiary volcanic rocks. Within the southern part of the mountain range, small granite outcrops exist with several other granitic outcrops found throughout the area. Other exposed rocks in the area have been identified as dacite, basalt flows, and rhyolitic ash flow tuffs. Several faults exist and are east-west, northeast, and north-south trending (Quade and Tingley, 1984).



### Geothermal features:

Warm-water wells are found in Sarcobatus Flat as far north as Scotty's Junction. The groundwater in Sarcobatus Flat has a relatively uniform temperature of 22°C, which is 9°C higher than the average annual air temperature (Malmberg and Eakin, 1962). This anomalous temperature may be due to the deep circulation that most of the groundwater in this area has undergone.

### Leasing information:

N/A

### Bibliography:

[Malmberg, G.T., and Eakin, T.E., 1962, Ground-Water Appraisal of Sarcobatus Flat and Oasis Valley, Nye and Esmeralda Counties, Nevada: Nevada Department Conservation and National Resources, Ground-Water Resources-Reconnaissance Series Report 10, 39 p.](#)

[Quade, J., Tingley, J., 1984, Reconnaissance Geochemical Assessment of Mineral Resource in the Grapevine Canyon G-E-M Resource Area \(WSA's NV-050-0354 and NV-050-0355\) West-Central Nevada, Nevada Bureau of Mines and Geology Open File Report 85-2.](#)