

## Case Study

# Valley of Fire State Park Replacement Well Site

Nevada, USA

**Willowstick locates the drilling sites most likely to produce high quality water in sufficient volume**

## Looking for both quality and quantity

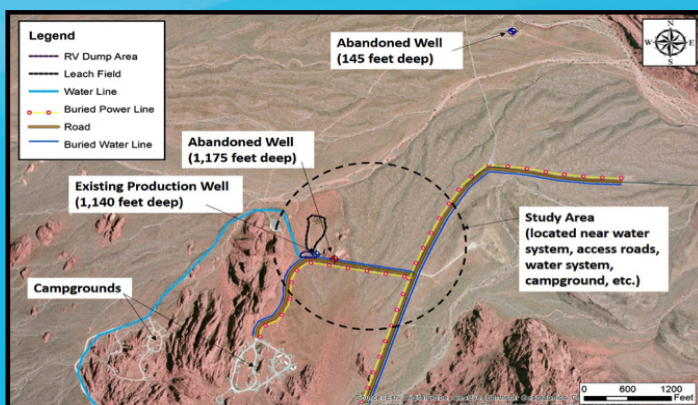
The Valley of Fire State Park is located in an extremely dry desert area. Not only is water scarce, it is also of uneven quality.

The Park had only one operating production well that showed signs of aging. They had attempted drilling two additional wells, but both were immediately abandoned due to poor water quality.



## Avoiding connectivity with the existing well

The Park asked Willowstick to help site a new well near the Park's existing infrastructure (such as campgrounds, access roads, power lines, water lines, water storage and distribution facilities, etc.) without affecting the existing production well.



Willowstick provided a detailed proposal that recommended the optimum coordinates, angle, and depth to achieve the best possible water quality.

Willowstick's analysis identified the lower reaches of the sandstone formation where quality and quantity of groundwater are assumed to be the best.

