

Appendix F

Photographs



Photograph 1: View of Harper Lake showing the north shoreline. Note the mineral crust which reduces evaporation of moist, subsurface sediment.



Photograph 2: View of the Harper Lake wetlands area which is maintained by the BLM. It is located on the SW side of Harper Lake. Water is supplied by the periodic pumping of groundwater from a nearby well (the Wetlands Supply Well).



Photograph 3: Damaged Wetlands supply well prior to rehabilitation. This well is operated by the BLM and is owned by Mojave Solar One, LLC.



Photograph 4: Wetlands supply well after the replacement of the pump, motor, and discharge pipe. This well supplies water periodically to the wetlands area at a rate of about 1,200 gpm.



Photograph 5: Depth-to-water is obtained at the Greenhouse well positioned north of Lockhart Rd., SW of Harper Lake.



Photograph 6: Controlled Source Audio Magnetotelluric (CSAMT) geophysical survey performed by LGS north of the western edge of Harper Lake. View is looking westward. An improved understanding of depth to bedrock, along with an assessment of the perimeter position of the subsurface basalt layer and continuity is an expected outcome from analysis of geophysical information.



Photograph 7: The Ryken agricultural production well located southwest of Harper Lake and south of Lockhart Rd. It was used as the pumped well for an aquifer pumping test. Shown are the wellhead and booster pump motor. Note the desert tortoise exclusion fence.



Photograph 8: The Ryken agricultural production well showing the pump power supply panel. Note the associated alfalfa field in the far horizon. View is to the west.



Photograph 9: Basalt veneer overlying quaternary hillslope deposits in a contact area between the HVB and adjacent Superior Basin is shown. View is looking north.



Photograph 10: Close-up view of the surface basalt showing fractures with ash and clay fill. The presence and frequency of fractures is variable. This is a close-up of the basalt veneer shown in Photograph 9. View is looking north.



Photograph 11: View looking west down Water Valley toward Harper Lake.
Photograph taken at an elevation part of the way up the basalt-covered hillside near the HVB and the Superior Basin contact area.



Photograph 12: View looking west down Water Valley toward Harper Lake.
Photograph taken at the bottom of the basalt-covered hillside near the HVB and the Superior Basin contact area.

