

**Table 6-9. Summary of Hydraulic Gradient Calculations**

Well Pair	Groundwater Elevation – Up-gradient Well	Groundwater Elevation – Down-gradient Well	Flow Path Length	Horizontal Hydraulic Gradient
	( $h_2$ )	( $h_1$ )	( $d$ )	( $i$ )
<b>Surficial Aquifer (S wells)</b>				
AB-21S/AB-22S	633.0'	595.3'	1,971'	0.019
AB-21S/GWA-1S	633.0'	612.5'	1,621'	0.013
AB-35S/AB-31S	617.0'	578.1'	2,287'	0.017
AB-39S/GWA-7S	616.6'	579.8'	1,064'	0.035
AB-38S/GWA-8S	621.5'	605.3'	898'	0.018
Average Horizontal Hydraulic Gradient				0.020
<b>Transition Zone (D wells)</b>				
AB-21D/GWA-2D	632.8'	570.2'	2,228'	0.028
AB-24D/GWA-3D	631.9'	574.0'	1,705'	0.034
AB-39D/GWA-7D	616.7'	574.7'	1,039'	0.040
AB-29D/AB-9D	612.8'	568.2'	832'	0.054
AB-35D/AB-33D	617.6	590.8	1,705'	0.016
AB-30D/AB-32D	619.7	577.2	1,746'	0.024
Average Horizontal Hydraulic Gradient				0.033
<b>Fractured Bedrock (BR wells)</b>				
AB-21BR/GWA-1BR	632.7'	610.6'	1,621'	0.014
AB-25BR/GWA-3BR	633.8'	570.8'	1,023'	0.062
AB-35BR/GWA-6BR	617.8'	588.7'	2,536'	0.012
AB-35BR/GWA-5BR	617.8'	562.5'	1746'	0.032
Average Horizontal Hydraulic Gradient				0.030