

**Table 8.1. Summary of Wellfield Hydrogeologic Characteristics.**

	Aquifer Conditions (completion aquifer shaded)				Major Surface Water Features			Flow Directions			General Water Quality		
	Well Depth	Shallow	Intermediate	Deep	Lakes	Rivers	Seeps/Springs	Shallow	Intermediate	Deep	Shallow	Intermediate	Deep
<b>McAllister Area</b>													
McAllister Springs	Surface	Semi-confined McAllister Gravel (Qmg)			Lake St. Clair	Nisqually River, Eaton Creek, McAllister Creek	McAllister Springs, Abbot Springs, McAllister Bluff	N/NE - toward Nisqually River			Excellent. Some elevated Fe/Mn in area wells. Some increasing nitrates in shallower monitoring wells.		
McAllister Wellfield (26.1 mgd)	Up to 400 ft	Semi-confined McAllister Gravel (Qmg)											
<b>Briggs</b>													
Proposed Briggs Well	350-450 ft	Deschutes Valley Aquifer (Dva)			Ward Lake Hewitt Lake	Deschutes River	None	N/NW - limited water level data at present.			No water quality monitoring available		
<b>East Olympia Area</b>													
Hoffman Well 3	362 ft	Unconfined (Qgr, Qga)	Confined Pre-Vashon (Qpg)		Chamber's Lake	Chambers Creek	None	N/NW with mounding beneath lakes	N/NE with north trending GW divide	N/NW (limited WL data)	N/A	N/A	Elevated Fe/Mn
Shana Park Well 11	90 ft	Unconfined (Qgr, Qga)	Confined Pre-Vashon (Qpg)		Smith Lake						Elevated nitrate	N/A	N/A
Indian Summer Well 20	211 ft	Unconfined (Qga)	Confined Pre-Vashon (Qpg)		Golf Course Lakes						Elevated nitrate	Elevated Fe/Mn	N/A
<b>West Olympia Area</b>													
Kaiser Well 1	111 ft	Confined (Qga)	Confined Pre-Vashon (Qpg)		Louise Lake	Cave Creek	None	East to West. North-South GW divide in east half of study area	Limited data. Assumed W/NWt.	N/A	Increasing nitrate trend	N/A	N/A
Allison Well 13	200 ft	Confined (Qga)	Confined Pre-Vashon (Qpg)		Ken Lake	Mud Bay, McLane Creek, Percival Creek	Allison Springs				TCE plume at former landfill (upgradient).	Increasing nitrate trend	N/A
Allison Well 19	183 ft	Confined (Qga)	Confined Pre-Vashon (Qpg)								Increasing nitrate trend	N/A	