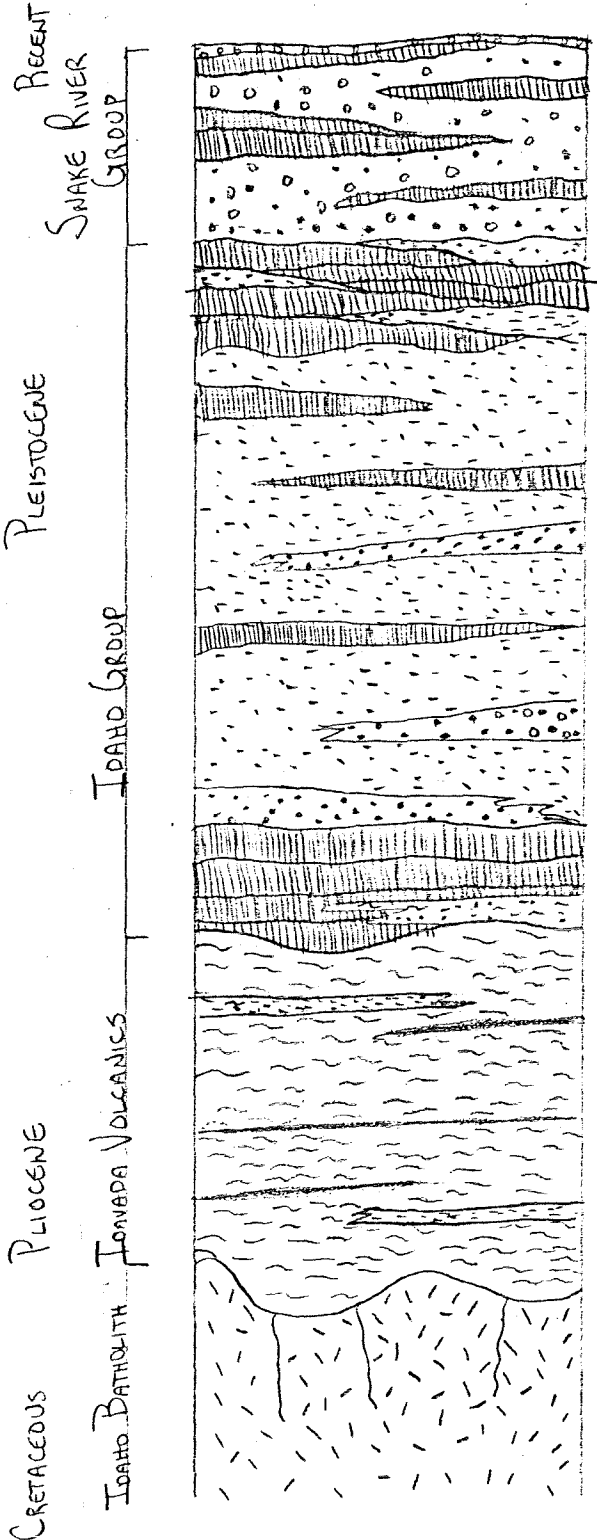


FIGURE 1. DIAGRAMMATIC HYDROGEOLOGIC COLUMN OF THE WESTERN SNAKE RIVER PLAIN

GL02710



Snake River Group - Basalts and Gravels
An important cold water aquifer

Bruneau Formation - Lenticular Basalts and Intercalated Sediments. Permeable in rubble zones and sections with columnar joints. Aquifers may have limited lateral extent due to lenticular form

Idaho Group Sediments - Undifferentiated -

Fluvial and lacustrine sedimentary rocks of variable permeability and intercalated basalts

Includes: Glens Ferry Formation
Chalk Hills Formation
Poison Creek Formation

Banbury Basalt - Permeable in rubble zones and sections with columnar joints. Massive portions impermeable

Idaho Volcanics - Densely welded to nonwelded ash-flow tuffs with locally developed vitrophyres, polygonal fractures, vertical cooling joints, platy joints and intercalated tuffaceous sedimentary rocks. Nonwelded, non-fractured and sedimentary horizons are confining beds. Fractured and jointed portions have good vertical and lateral permeability.

Idaho Batholith Granites - Locally jointed providing good vertical permeability

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No SCALE

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