

# Deep Groundwater as an Underground System of Water Supplies on Earth

by

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## Abstract

Modern understanding of groundwater precludes existence of water within sub-surface in any persistent form. The most of its origin is attributed to external to sub-surface sources as in surface water, precipitation, ocean saturation, etc. If none of these factors existed in nature, there would be no groundwater according to modern views on this phenomenon. No persistent source of groundwater is ever postulated to exist within the interior of Earth in any of existing theories. We offer here a conceptually different explanation of the origin of deep groundwater existing below the groundwater that apparently has surface origin. This layer, or aquifer, of groundwater is rarely reached by our monitoring wells and its condition is more dynamic and stable. The theory proposed here postulates existence of this groundwater and offers explanation of its nature. This is the first theory of groundwater that treats groundwater as an inherent part of Earth's interior ecosystem. Earth is not only ground, but also water – is the main concept emphasized in it.