Is the term “GROUND WATER” meaningless?

Groundwater Caucus   Nov 9, 2011

Barbara Hennigan, executive director
Butte-Sutter Basin Area Groundwater Users
www.buttegroundwater.org
norcalgroundwater@gmail.com
Early term describing surface water.

15 million years ago

*Damn, water with teeth!
Hand dug wells

“The Miners Friend or An Engine To Raise Water By Fire”
by Thomas Savery
written in 1702

Approximately 4000 years ago

300 years ago

15 million years ago
GROUND WATER

Water table
Deliverable 2.1   Provide a brief physical description of the aquifer
In the 1960’s, Buck Roney told of seeing steam boats tied to these oak trees.

River flowed here in recent memory.

Note: River Marker #204

Sacramento River (north of Hamilton City)
Recharging a shallow, unconfined alluvial ground water aquifer -

Recharging a deep confined ground water aquifer --
Making “GROUND WATER” meaningful in WP13

• **Unconfined, shallow, alluvial** --ground water whose upper water surface (water table) is at atmospheric pressure, and thus is able to rise and fall.

• **Deep, confined** --ground water under pressure significantly greater than atmospheric, confined by layers of impermeable material.