



**Water And Its Circulation In Nature Part 1**  
“Now the sun, moving as it does, sets up processes of change and becoming and decay, and by its agency the finest and sweetest water is every day carried up and is dissolved into vapour and rises to the upper region, where it is condensed again by the cold and so returns to the earth.”

Aristotle, *Meteorologica*

**There are around 1400 million cubic kilometers of water on Earth.**

There are four "environments": water in the seas and oceans, water on land, water in the atmosphere and water in living organisms. At the same time we have in mind water in all of its states: gaseous, liquid and solid.

**THIS TABLE IS WELL WORTH STUDYING & PONDERING**

**The allocation of stocks of water on Earth**

**Reservoir Volume of water (in millions of km<sup>3</sup>) As a percent of the total**

- |                          |              |              |
|--------------------------|--------------|--------------|
| 1. Oceans and seas       | 1370         | 97.25        |
| 2. Icebergs and glaciers | 29           | 2.05         |
| 3. Groundwater           | 9.5          | 0.68         |
| 4. Lakes                 | 0.125        | 0.01         |
| <b>5. Soil moisture</b>  | <b>0.065</b> | <b>0.005</b> |
| 6. Atmosphere            | 0.013        | 0.001        |
| 7. Rivers                | 0.0017       | 0.0001       |
| 8. Biosphere             | 0.0006       | 0.00004      |

**Total global reservoir of water 1408.7053 100**

Have a look at where the rivers come in terms of water availability – 2<sup>nd</sup> last. What we are hearing from Peter Andrews really makes sense when you look at where a lot more water is available – in the soil. This underscores Peter’s message to rehydrate our soils. The soils have a vast capacity to store our water IF our soils are biologically active and healthy. This is what Elaine Ingham, Maarten Stapper and many others are saying – it is the microorganisms in your soil that have the capacity to store water. It is therefore essential to build up a healthy, active soil.

*Farming Secrets* says: **Understanding the importance of this message is a key to your farming future.**

Ref. Water for the Recovery of the Climate - A New Water Paradigm M. Kravčík, J. Pokorný, J. Kohutiar, M. Kováč, E. Tóth