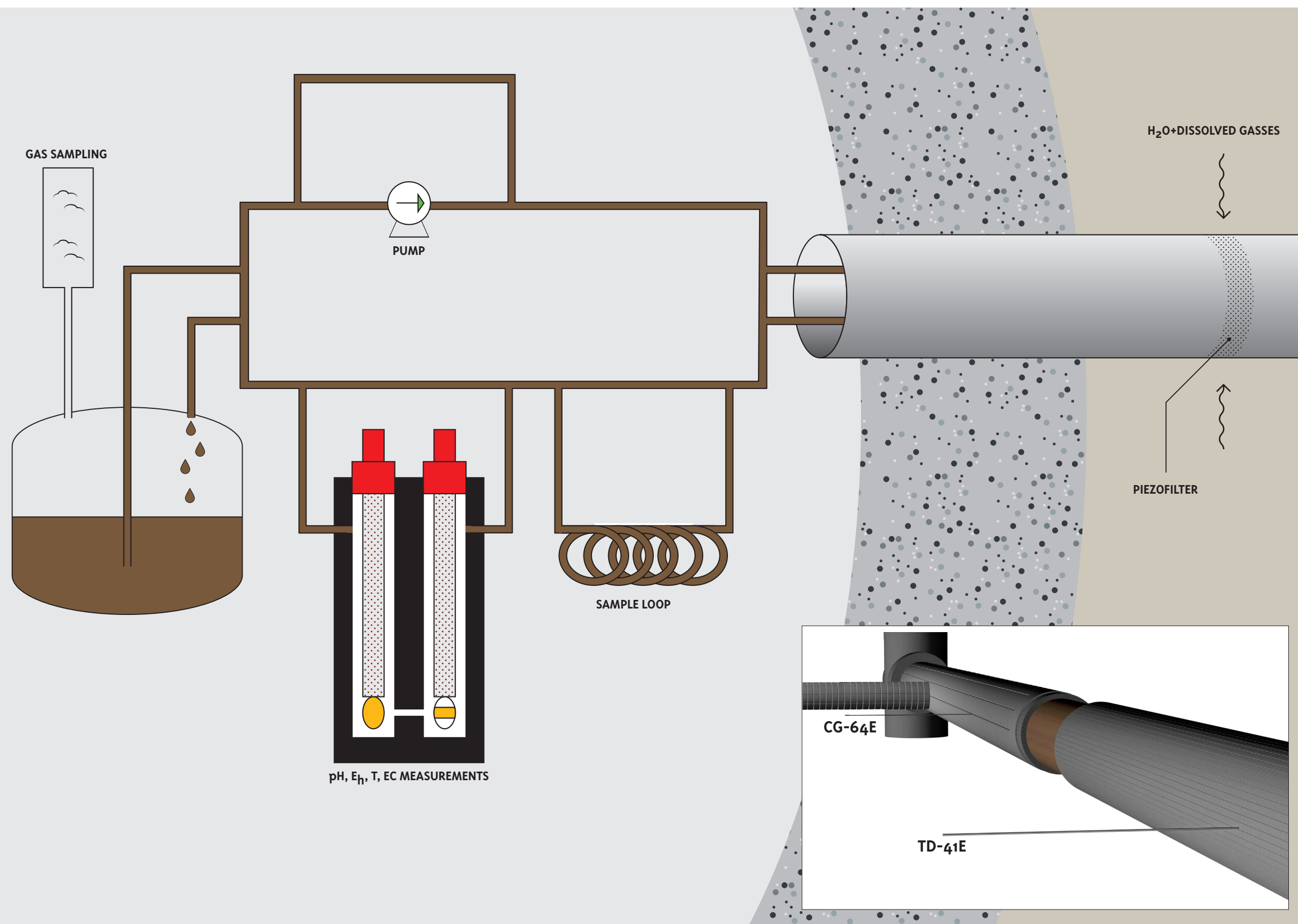


## Near Field PROcesses (oxidation)



### GOAL

#### Study of the effect of oxidation on Boom Clay.

##### 2004

Installation of two identical multi-filter piezometers in the Test drift (TD-41E) and the Connecting gallery (CG-64E)

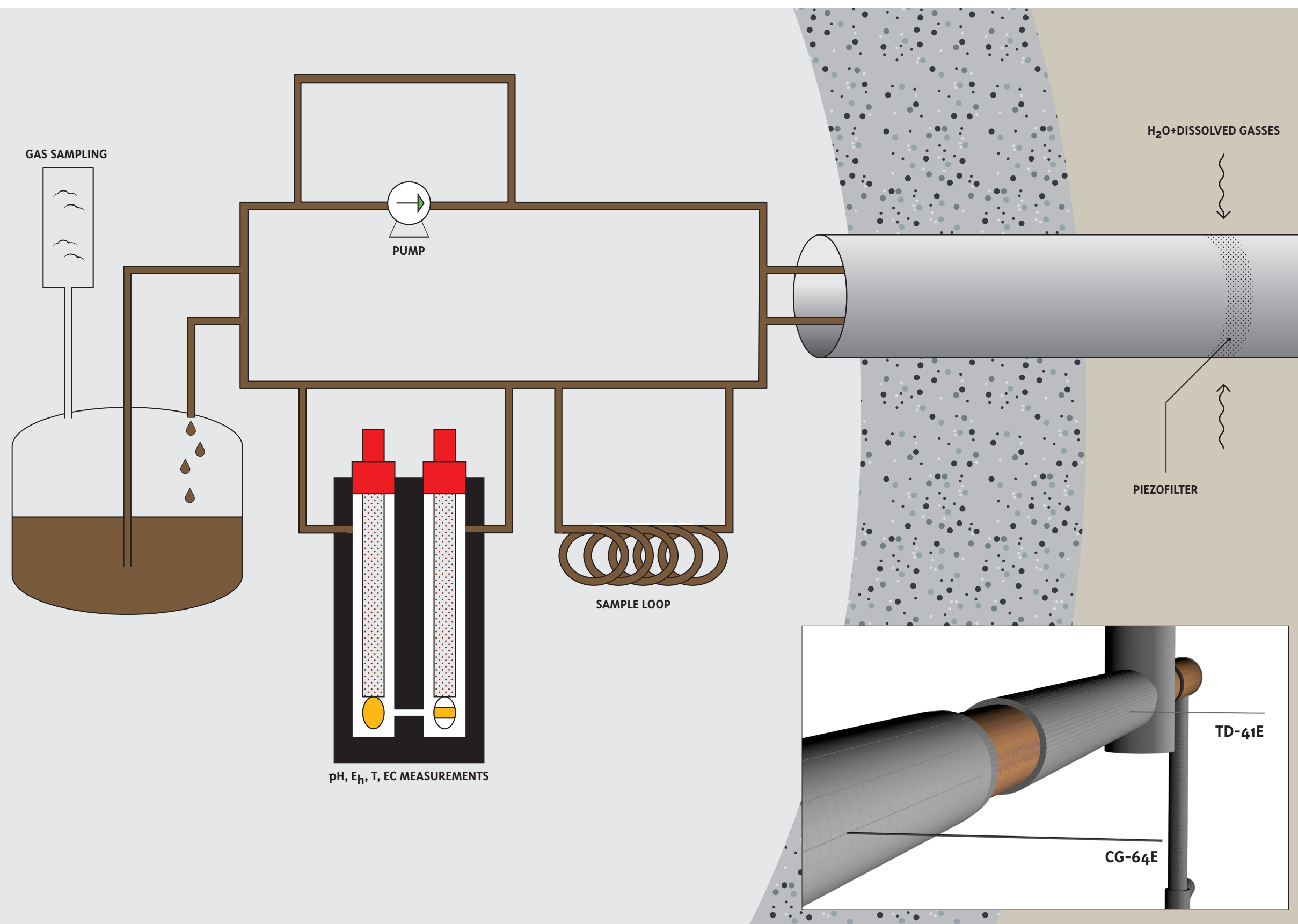
##### FIRST BOREHOLE DRILLING WITH NITROGEN TO AVOID ADDITIONAL OXIDATION

DESIGN AND INSTALLATION OF AN EXPERIMENTAL SET-UP FOR THE SIMULTANEOUS SAMPLING OF PORE WATER AND DISSOLVED GASSES, AND pH MEASUREMENT AT IN-SITU CONDITIONS.

##### CHARACTERISATION OF THE GEOCHEMICAL PROCESSES INVOLVED IN OXIDATION

- OXIDATION OF PYRITE AND ORGANIC MATTER
- CHANGE IN THE COMPOSITION OF PORE WATER AND DISSOLVED GASSES
- CHANGES IN MINERALOGY

## Near Field PROcesses (oxidation)



### GOAL

#### Study of the effect of oxidation on Boom Clay.

##### 2004

Installation of two identical multi-filter piezometers in the Test drift (TD-41E) and the Connecting gallery (CG-64E)

##### FIRST BOREHOLE DRILLING WITH NITROGEN TO AVOID ADDITIONAL OXIDATION

DESIGN AND INSTALLATION OF AN EXPERIMENTAL SET-UP FOR THE SIMULTANEOUS SAMPLING OF PORE WATER AND DISSOLVED GASSES, AND pH MEASUREMENT AT IN-SITU CONDITIONS.

##### CHARACTERISATION OF THE GEOCHEMICAL PROCESSES INVOLVED IN OXIDATION

- OXIDATION OF PYRITE AND ORGANIC MATTER
- CHANGE IN THE COMPOSITION OF PORE WATER AND DISSOLVED GASSES
- CHANGES IN MINERALOGY

