

The background of the slide is a light blue gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The main title is centered in the upper half of the slide.

# **CHEMICAL COMPOSITION AND PHYSICS OF WATER IN RÉUNION ISLAND**

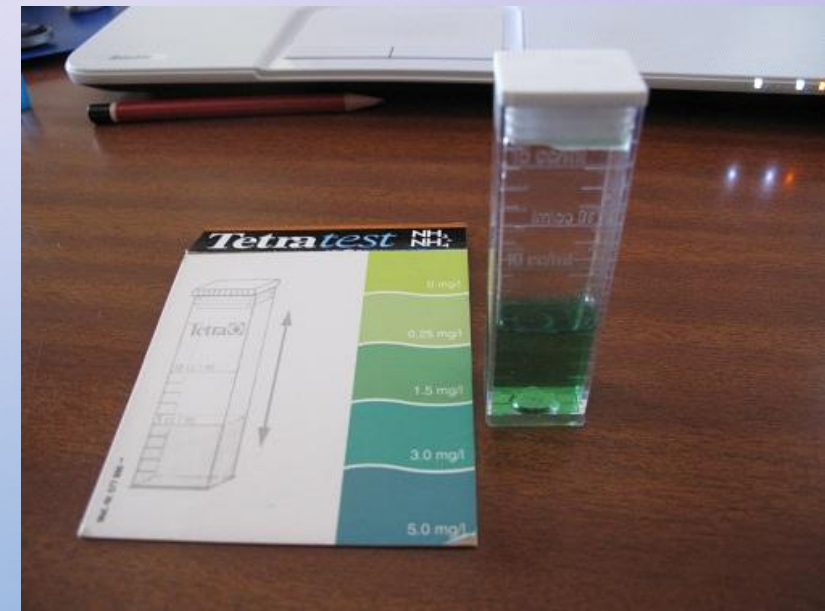
I) CHEMICAL

II) PHYSICS

# I) CHEMICAL

**QUESTION** : WHAT IS THE CHEMICAL QUALITY OF THE GRAND BASIN, ST ETIENNE RIVER AND GOL POUND? (TO THE SOURCE TO THE SEA)

Nitrate ( $\text{NO}_3$ )? Nitrite ( $\text{NO}_2$ ) ? Ammonium ( $\text{NH}_4$ ) ? Calcium?  
phosphate( $\text{PO}_4$ )?









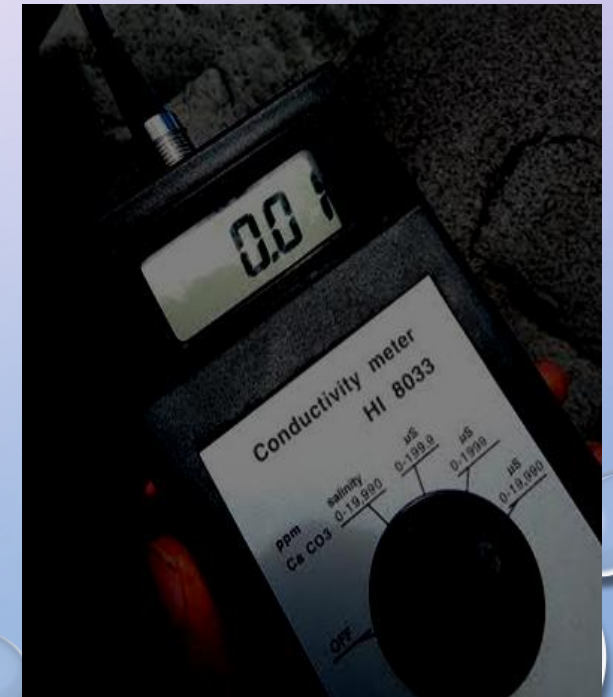
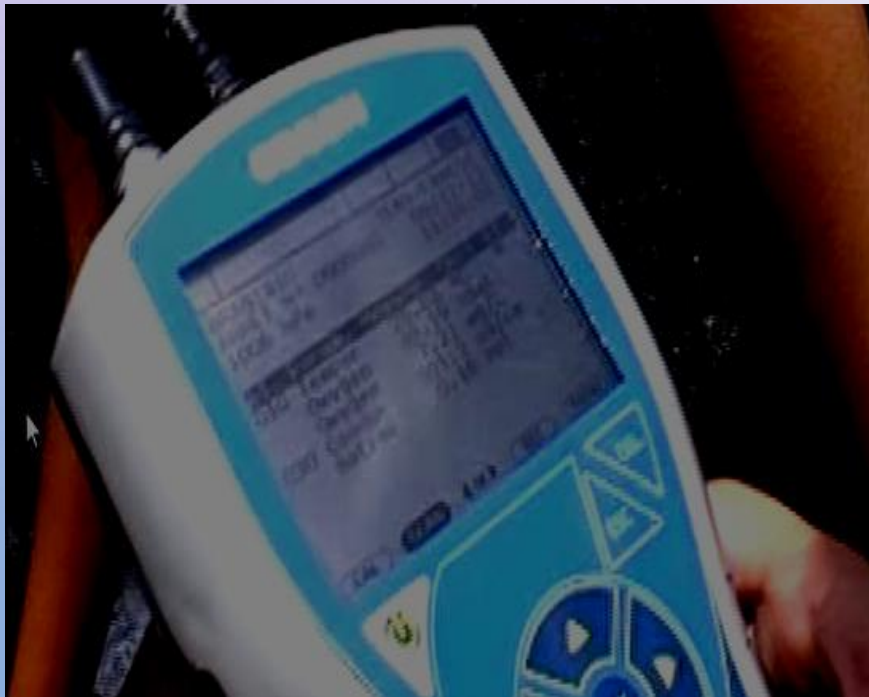
In two places the rate of ammonium is higher, the process of degradation of the organic matter is incomplete, because of water stagnation, and cause proliferation of the green algae.

### CONCLUSION:

In Reunion Island water is on the European standards, it's not polluted and the rivers have a good chemical qualities.

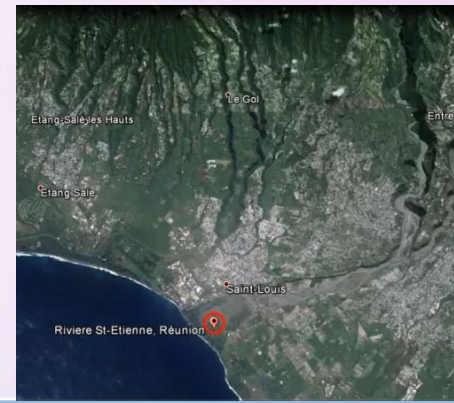
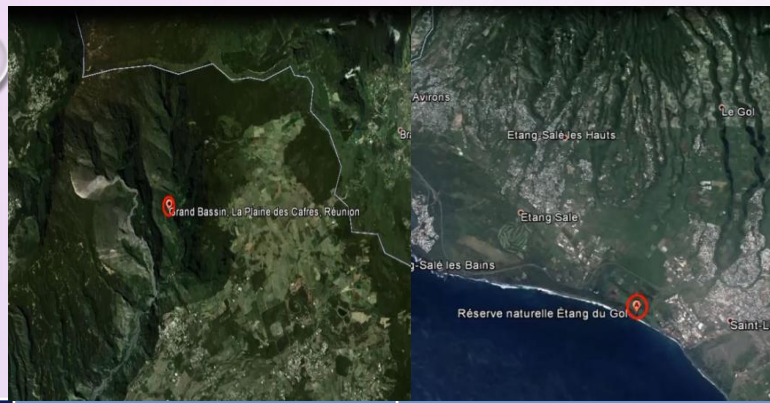
## II) PHYSICS

(THE ST ETIENNE RIVER ,GOL POUND AND GRAND BASIN)





# RESULTS



	Grand Bassin	St Étienne	Gol pound		
			River mouth	upstream	Under the hyacinths
Oxygen rate	X	95,33 %	15,7mg/L 180 %	7.10mg/L 93 %	7.65mg/L 101.8 %
Temperature	18,9°C	21,8°C	30°	30°	30°
Conductivity	50 µs/cm	71 µs/cm	2370µs/cm	2300µs/cm	3006µs/cm
pH	6,8	7	7,7	8,34	8,40

## CONCLUSION:

These measures help being aware of the quality of the water.

Thanks to these measures, we notice that the water of Reunion Island is soft (except near to the ocean) and have a neutral pH.

Reunion Island have a really good water except near the ocean.