

Cu Copper Development Association Africa, Copper Alliance

Name: Amogelang

Surname: Mangcotywa

Grade: 5E1

Teacher: Mrs Lumeze



The Edu-care Foundation
NPO Number 048-957

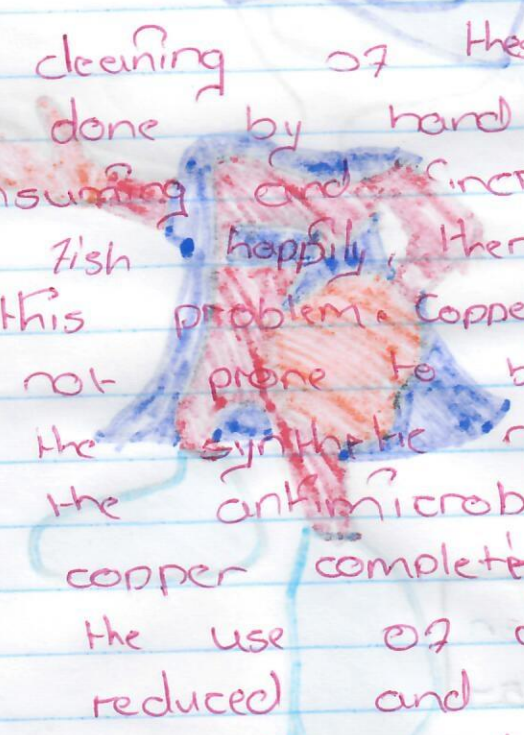
The adventures of



His

Copper

This is a fish farm in South Africa.
The nets that are used for the cages are manufactured from Polyethylene and rigid High-Density Polyethylene (HDPE). You can clearly see that microorganisms, plants and algae are covering the nets. This is known as biofouling that attacks these synthetic nets preventing good water flow and depriving the fish of oxygen and other nutrients.



The cleaning of these nets can only be done by hand which is time consuming and increases the risk to the fish. However, there is a solution to this problem. Copper net cages are not prone to biofouling. So, by replacing the synthetic netting with copper, the antimicrobial properties in copper completely stop biofouling. The use of antibiotics is therefore reduced and the fish farms are able to produce healthy fish for the market.