



ROESS_group





Project report

AquaRockBag use to build
Biozone filled with Bimedia for
water cleaning and stop
erosion Johannesburg Area SA





Site location

The site is located on near Johannesburg South Africa

Situation before using AquaRockBag®

Polluted water with sugar scam coming from sugar plantage into the river using small channel causing double problem pollution of the water and as well channel bank erosion. Free install stones and as well gabions not performed well.





Design solution for channel erosion and water pollution – description of the planned structure and cost saving

- 150 (2T AquaRockBags®) – were used
- Installation was done on site within 2 days on site
- Used Bio Media and stones with double positive effect
- Cost savings in material, double efficient impact is approx. 60.000 €
- Unique solution as a medium for water purification.



Reasons for choosing AquaRockBags[®]

- The AquaRockBag[®] filling and installation process is quick, safe and easy which results in big savings on labour costs. (In this project the bags were filled near channel and immediately installed.)
- The AquaRockBag[®] provides substratum for numerous faunal (Bio Disc)and invertebrate species which gives ecological benefit.
- AquaRockBags[®] absorb water energy, preserving natural processes and minimizing the impact on the substrate.
- The AquaRockBag[®] in this case perfectly blended to nature, more than sufficient bio protection and erosion protection



Project pictures during installation



Project video after installation



Project video after installation



Project video after installation



