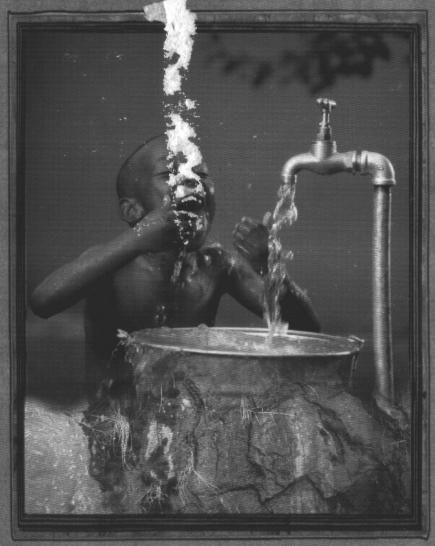
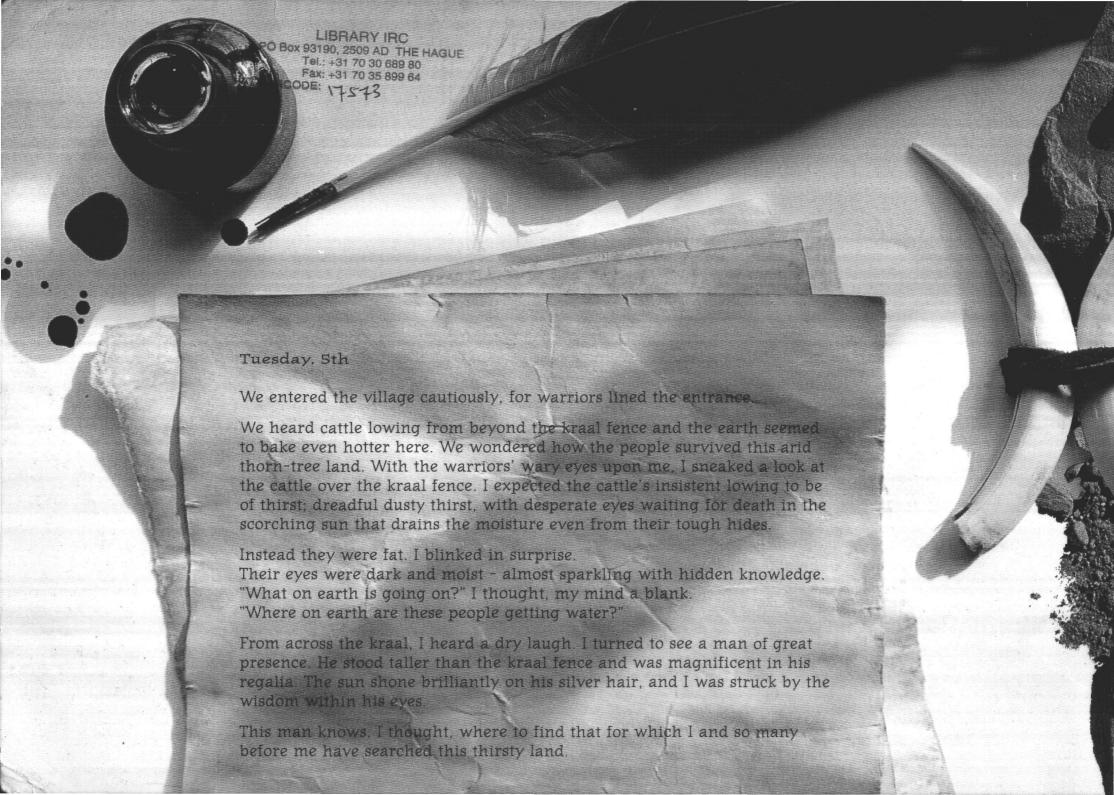
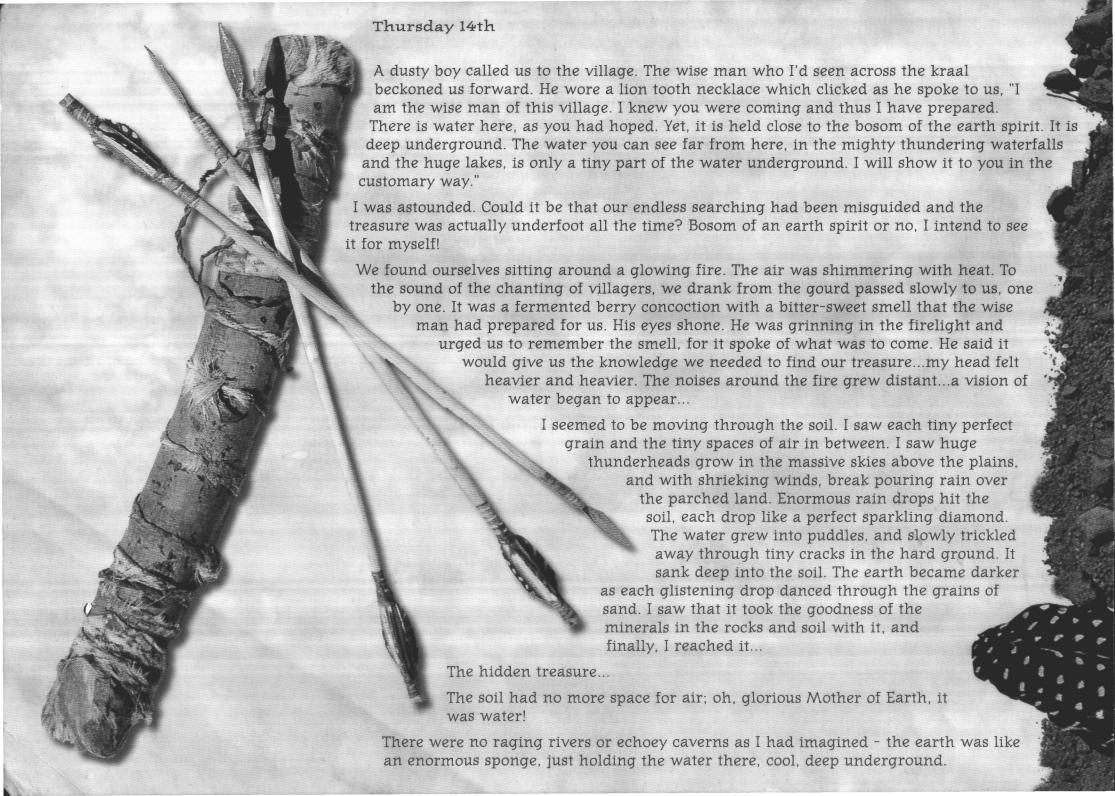
## The Hidden Treasure



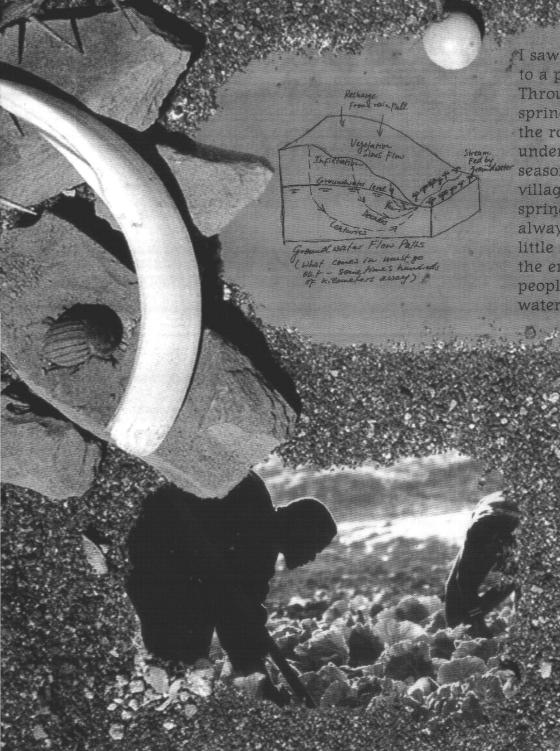
THE DIARY OF GROUNDWATER







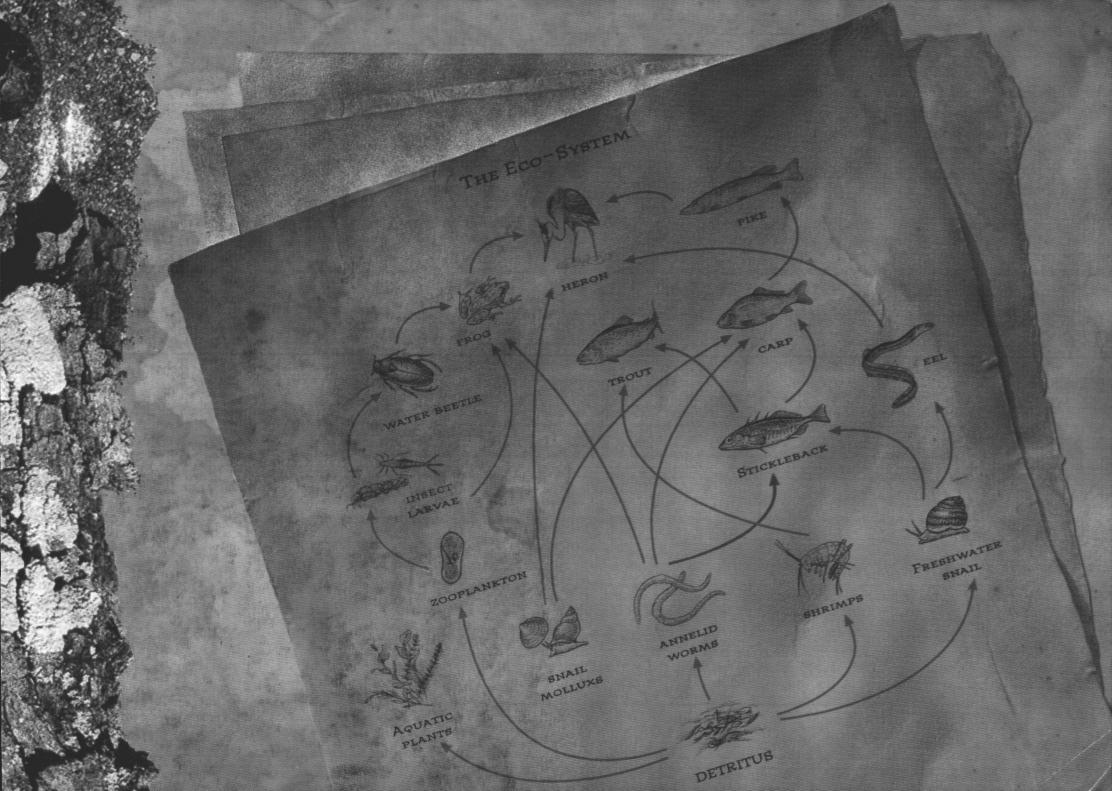




I saw the wise man again and he pointed to a place deep in the sun-scorched brush. Through the dusty leaves the water of a little spring glistened, tumbling out of a crack in the rock. We saw the water level underground rise and fall with each season, and we saw the people of the village carefully watching the level of the spring. They were prudent with water always – but even more so when the little spring began to trickle slower at the end of the long dry season. The people used the water to grow crops, to water their animals, and to take deep, thirsty gulps of pure, clear water....

I saw roots from happy plants
pushing into the soil, and sucking up the minerals
in the water to make beautiful blossoms for the
bees and butterflies, fruit for the birds, and leaves
for the wild animals. I saw the plants make cool
shade for the people of the land and mothers
watched contentedly as their children played
games and their warriors made bows and
arrows from the wood of the healthy trees...

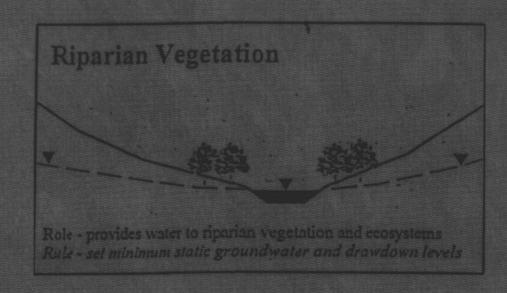
I saw how the plants helped trap the rain and stop it running away to rivers that would simply flow away to the sea... no, the plants slowed the water's flow when the massive rains broke, and helped the magical drops seep down to replenish the hidden treasure that had sustained the people for so many centuries.





I saw water deep underground, untouched by man, which had been still and did not flow like the other healthy water. It had collected so many minerals from the soil that it was salty to drink, and this was not good for people. But this was unusual, and most of the water was healthy, until...

Then, with my body cold, I saw huge factories made of blinding metal where the plains had once been. The people of the cities, my people, were happy because the factories made them fine things, but the factories spewed black grime into the air and the rain became dirty. I saw the factories carelessly dump green sludge that was once water and it flowed back into the soil; it slipped down through the sands and turned the water foul. The hidden treasure sparkled no more.





I saw my people bury their rubbish in huge pits and forget how much waste they had produced. They threw rubbish into rivers, thinking that nature, so huge and bounteous, could not be harmed. But poisonous water was seeping into the soil and animals were dying from the litter in the rivers. I saw huge underground tanks storing oil leaking black stuff into the ground, making it toxic and killing the life above it.

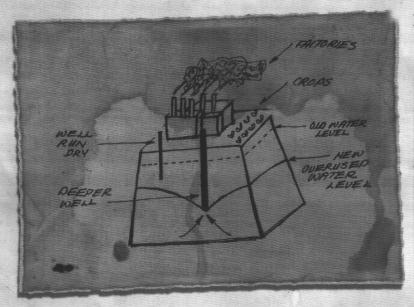
I saw my people, hungry for work and more fine things, ripping up the plants to lay roads and mine for precious stones. The plants were no longer there to slow the precious rain that once fell on the wild African plains, and the hidden treasure deep underground could no longer be charged with fresh, life giving water.

More and more people sunk wells and dug boreholes. Windmills dotted the landscape, sucking up the water. The level below the earth began to drop. Even in the rainy season, the little spring near the village was dry and both the cows and the people grew thin and quiet. The few plants that were left began to wither, for their roots pushed desperately through the soil for water, to find nothing but dry dirt.

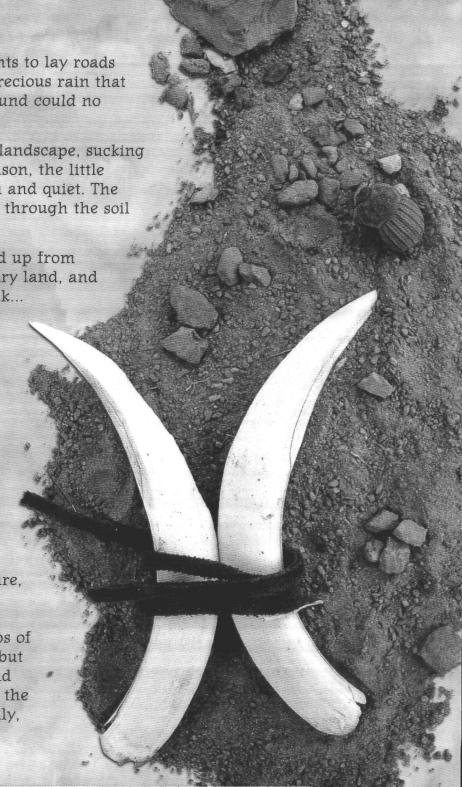
But the happy stupid people of the cities played on in the water that squirted up from fountains, and they grew pretty flowers that drank too much water in this dry land, and they left the pumps pumping water, even once they had had enough to drink...

Finally, the windmills spun and the pumps pumped in vain – too much had been used – there was no water left – and the few drops they managed to pump up were contaminated.

The once beautiful rivers became so poisoned, that the birds that could flapped their wings goodbye to their sick brothers, and flew away to other lands. The people became thirsty, and then sick and then in terrible danger; they had broken the balance of the land.



I saw how young people had no work, because the factories that gave them work could no longer run without water. I saw the waste of our hidden treasure, that no-one had treasured enough. The people had thought the diamond drops of rain would sustain them, but they were wrong. They had leeched the very life from the ancient ground. And finally, they would die too.





The wise man spoke, and I understood.

"Tell them", he said. "Save us. Go, now, and teach your people that the sparkling water droplets are more precious than fine things, than metal factories, even than diamonds themselves; for none of those give life. There can be some, for all, forever, but only if they pay heed to you. You have seen how we, the gentle people of the land, have lived for centuries in harmony with the land and its water that takes many seasons to trickle down and replenish the hidden treasure that brings life to all. Your people must learn this before it is too late."

We awoke, groggy in the midday heat, and drank the cool water that was offered to us. Far away on the hill we saw the silhouette of the wise man and heard his wailing chant that was caught upon the wind. Despite the heat, we shivered. None spoke of the death of our people that we had foreseen in the wise man's vision.

We knew in our hearts that our people treasured diamonds and factories and fine things. They had never thought the water could dry up; that we could ever use too much.

On the grassy plains of Africa I had become a prophet and a guardian of the hidden treasure. The weight of this knowledge sits heavy on my shoulders.

Time is running out. My people will need to know so that they can become guardians themselves – each and every one – of our hidden treasure;

the infinitely precious water of the ground of Africa.





A new era of water management is dawning in South Africa, expressed by the vision:

## "Some, for all, forever".

Inspired by this vision, the country has already managed to reduce, by half, a massive backlog of more than twelve million people without even the most basic water supply.

As in many other parts of the world, groundwater is playing a significant role in this development and is helping to improve the quality of life of millions of people.

Groundwater occurs everywhere, in larger or smaller quantities, depending on the underlying rock and the natural replenishment conditions. Its crystal clear appearance relates to the natural filtering effect of earth materials on its long passage underground. This makes it the ideal source of drinking water. At the same time it plays a crucial role in maintaining living ecosystems and habitats on which all water services depend.

Groundwater is especially vulnerable to human impacts of misuse, as its loss and deterioration are almost invisible and are often irreversible.

The only way to achieve sustainable use of groundwater for the benefit of all, is that people everywhere in South Africa become empowered to play their role in the

Minister of Water Affairs and Forestry National custodian of all water resources

Department of Water Affairs and Forestry Private Bag X313, Pretoria 0001

Tel: (012) 336 7849 email: wb3@dwaf.gov.za www.dwaf.pwv.gov.za

Water Research Commission Private Bag X03, Gezina 0031 Tel: (012) 330 0340

www.wrc.org.za

email: rina@wrc.org.za

Institute for Groundwater Studies University of the Free State P.O.Box 339, Bloemfontein 9300 Tel: (051) 401 2175 email: frank@igs-nt.uovs.ac.za www.uovs.ac.za/facilities/igs

UNESCO Chair for Hydrogeology University of the Western Cape Private Bag X17. Bellville 7535 Tel: (021) 959 3882

email: yxu@uwc.ac.za

www.science.uwc.ac.za/earth science/index.htm

Borehole Water Association of Southern Africa P.O.Box 1155, Saxonwold 2132

Tel: (011) 447 0853

email: boreholewater@freemail.absa.co.za

www.bwa.co.za

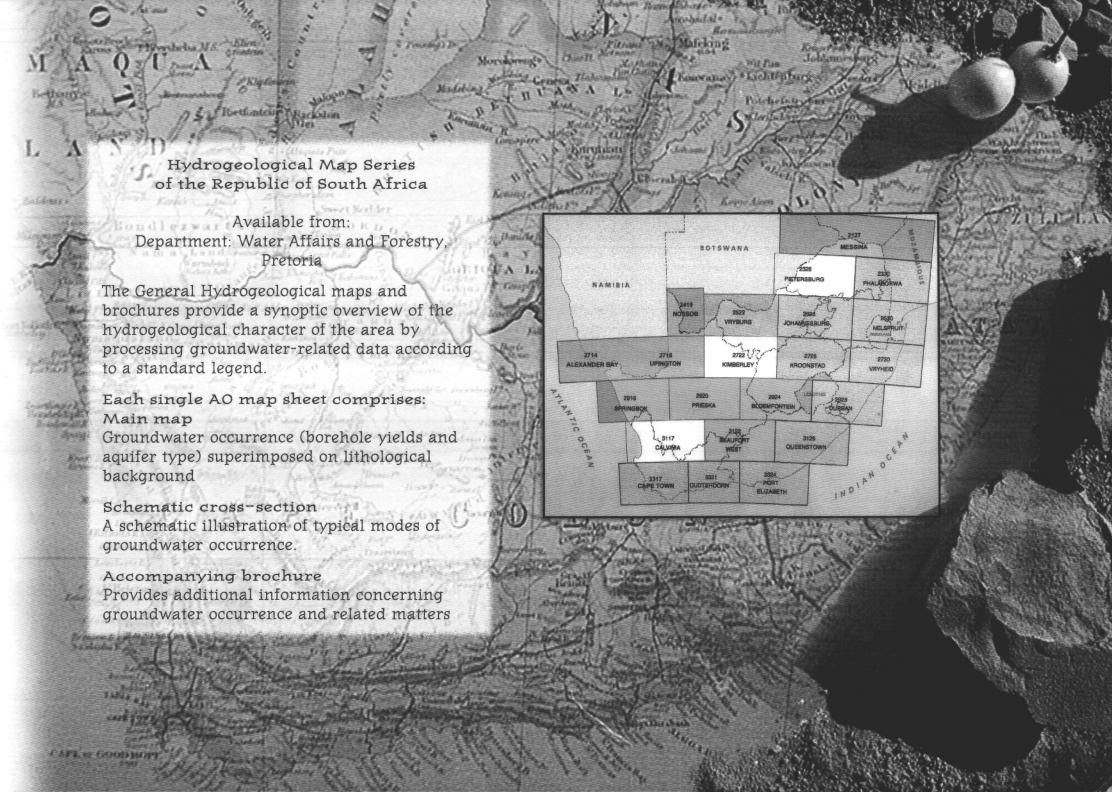
**Drilling Contractors Association** of Southern Africa P.O.Box 13993. Sinoville 0129

Tel: (012) 543 1642

email: drillcon@global.co.za

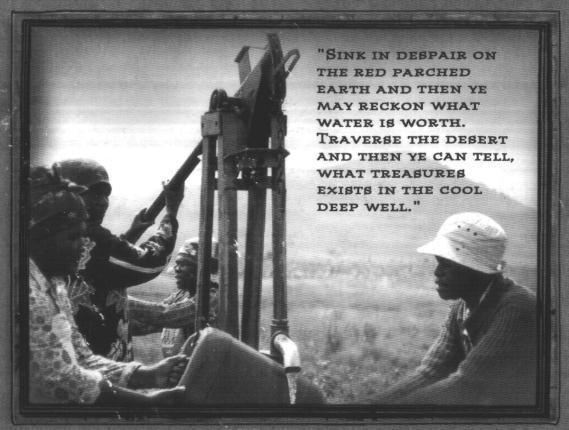
Groundwater Division Geological Society of Southern Africa P.O.Box 75728, Lynnwood Ridge 0040

Tel: (012) 803 1545 email: gwd@icon.co.za





INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS



ELISA COOK (SOUTHERN AFRICAN POET 19TH CENTURY)



DEPARTMENT OF WATER AFFAIRS, SOUTH AFRICA

Designed by Agent Orange 082 343 2308