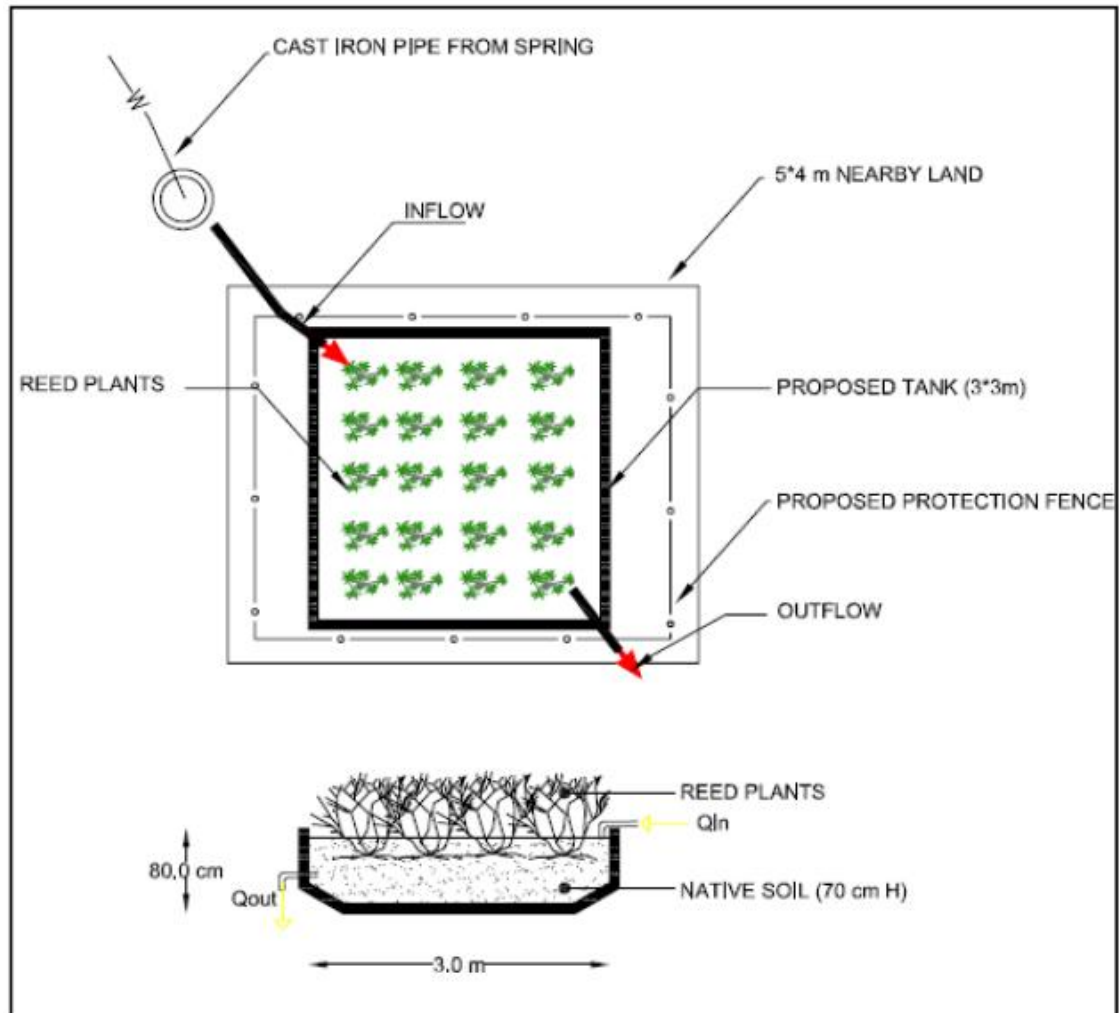


Using Reed Plants to Treat Polluted Groundwater: Phytoremediation and Decaying Leaves Methods At Sinjel Village, Palestine



Prepared by:



Funded by:

المؤسسة العربية للعلوم والتكنولوجيا
ARAB SCIENCE & TECHNOLOGY FOUNDATION



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House of Water and Environment (2009). Using Reed Plants to Treat Polluted Groundwater: Phytoremediation and Decaying Leaves Methods At Sinjel Village, Palestine. House of Water and Environment, Palestine.

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***Using Reed Plants to Treat Polluted Groundwater:
Phytoremediation and Decaying Leaves Methods At Sinjel Village,
Palestine***

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Abstract:

Phytoremediation is the use of plants and their associated microorganisms, to remove, contain or degrade chemical contaminants from the environment. It is an emerging technology for environmental remediation that offers promise as a low-cost, flexible technique suitable for use against a number of different types of contaminants in a variety of media. This research reviews and discusses the use of this technology in groundwater treatment and provides enlightenment, and examples about this technology. It also illustrates using both laboratory experiment and field experiment the applicability of this technology by using reed plants in removing pollutants from contaminated water.

The aim of this report:

This final report summarizes the progress and the results of project number (WA062252) titled: "Using phytoremediation techniques in treating groundwater resources in Palestine". The project was funded by a grant from the Arab Science & Technology Foundation (ASTF) in the United Arab Emirates and implemented by a research team from the House of Water and Environment in Palestine. At the end of the report, recommendations and conclusions are provided in addition to annexes and attachments.

Acknowledgements:

The House of Water and Environment team would like to thank the Arab Science & Technology Foundation (ASTF) for its kind support to the project. Also, many thanks to all contributors and researchers who provided support and advice in the project. In



particular, we would like to thank the staff from Birzeit University who conducted the lab analysis and helped in the experiment design. The HWE extends its thanks to Sinjel Municipality staff and Mayor for the great support they provided during the field work.



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