



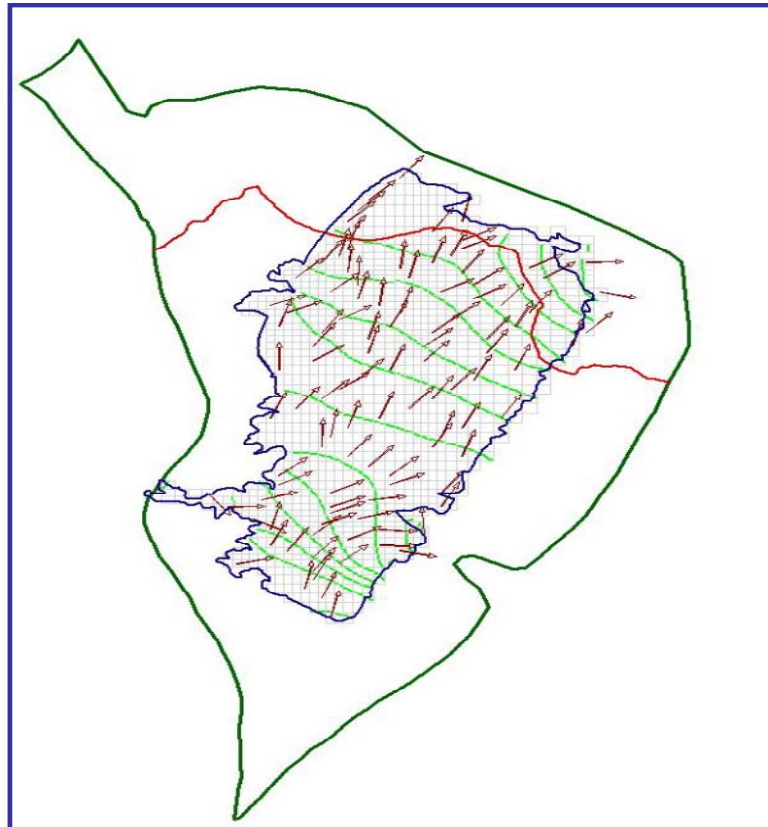
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Conceptual and Steady-State Flow Models of the Eocene Aquifer in the North-Eastern Aquifer Basin.



Final Report
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Sustainable Management of the West Bank and Gaza Aquifers

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<p>Disclaimer</p> <p>This report is an output of the Hydrogeology and Flow Modelling Study, which is part of the SUSMAQ project.</p> <p>The findings, interpretations and conclusions expressed are those of the authors (the team) and should not be attributed to other collaborators on the SUSMAQ project.</p> <p>The project does not guarantee the accuracy of the data included in this publication. Boundaries, colours, denominations and other information shown in maps, figures, tables and the text does not imply any judgment on legal status of territory or the endorsement of boundaries. The typescript of this report has not been prepared in accordance with procedures appropriate to formal printed texts, and the partners and funding agency accept no responsibility for errors.</p>	<p>Contact Details</p> <p>Professor Enda O’Connell Project Director University of Newcastle upon Tyne Tel: 0191 222 6405 Fax: 0191 222 6669 Email: P.E.O’Connell@ncl.ac.uk</p> <p>Engineer Fadle Kawash Deputy Chairman Palestinian Water Authority Ramallah, Palestine Tel:02 295 9022 Fax 02 2981341 Email: fkawash@pwa-pna.org</p> <p>Dr. Amjad Aliewi Operations and Technical Manager Team Leader, Hydrogeology and Flow Modelling Sunrise Building Al-Irsal Road Al-Bireh/Ramallah, Palestine Tel. 02 298 89 40 Fax. 02 298 89 41 e-mail: a.s.aliewi@susmaq.org</p>
<p>The SUSMAQ Project</p> <p>The aim of the project is to increase understanding of the sustainable yield of the West Bank and Gaza aquifers under a range of future economic, demographic and land use scenarios, and evaluate alternative groundwater management options. The project is interdisciplinary, bringing together hydrogeologists and groundwater modellers with economists and policy experts. In this way, hydrogeological understanding can inform, and be informed by, insights from the social sciences. The results of the study will provide support to decision-making at all levels in relation to the sustainable yield of the West Bank and Gaza aquifers.</p> <p>The project runs from November 1999 to October 2004, and is a partnership between the Palestinian Water Authority, University of Newcastle and the British Geological Survey. The project is funded by the United Kingdom’s Department for International Development (DFID).</p>	<p>The Hydrogeology and Flow Modelling is part of the SUSMAQ project.</p> <p>The Modelling study focuses on the geology and hydrogeology of the Eocene Aquifer of NEAB, its inflows (recharge) and outflows (spring and well abstractions). The conceptual and steady-state models are followed by the transient model, using the GMS software modelling code.</p> <p>This report aims at developing conceptual steady-state and transient-state models of the Eocene.</p>
<p>Bibliographical Reference</p> <p>Conceptual and Steady-State Flow Models of the Eocene Aquifer in the North-Eastern Aquifer Basin. Report No.: SUSMAQ -MOD #22V0.3. Sustainable Management for the West Bank and Gaza Aquifers, Palestinian Water Authority (Palestine) and University of Newcastle upon Tyne (UK).</p> <p>Authors <i>PWA/Water Resources and Planning Directorate:</i> Eng. Deeb Abdul Ghafour Eng. Khalil Saleh, <i>PWA/SUSMAQ:</i> Hydrogeologist Abbas Kalbouneh <i>Newcastle University/SUSMAQ:</i> Dr. Amjad Aliewi</p>	<p>Feedback</p> <p>The SUSMAQ and PWA teams will appreciate any feedback on this report. Feedback should be sent to the above contacts.</p>

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