

# **Advanced Underseepage Analyses for Levees**

Abeera Batool

Dissertation submitted to the faculty of the  
Virginia Polytechnic Institute and State University  
in partial fulfillment of the requirements for the degree of

Doctor of Philosophy

In  
Civil and Environmental Engineering

Thomas L. Brandon - Chair  
James K. Mitchell  
J. Michael Duncan  
Mark A. Widdowson

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Blacksburg, Virginia

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Abeera Batool, Ph.D. Candidate  
Department of Civil and Environmental Engineering  
Virginia Tech  
19 Patton Hall  
Blacksburg, VA, 24061  
Email: [abeera@vt.edu](mailto:abeera@vt.edu)  
Phone: [\(908\) 787 6993](tel:(908)7876993)

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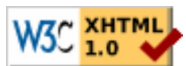
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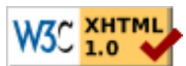
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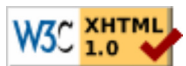
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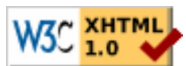
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