A Parameterized Approach to Partitioning Between Focused and Diffuse Heat Output and Modeling Hydrothermal Recharge at The East Pacific Rise 9°50´N

Aida Farough

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

Master of Science
In
Geosciences

Robert P. Lowell, Chair
Martin C. Chapman
Madeline E. Schreiber

12/02/2011
Blacksburg, VA

Keywords: Seafloor hydrothermal systems, Heat flow, Recharge, Modeling, East Pacific Rise 9°50´N, Diffuse Flow

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