

PUERTO RICO WATER RESOURCES AND ENVIRONMENTAL  
RESEARCH INSTITUTE

104B SECTION RESEARCH PROGRAM

1st Quarterly Progress Report

**Date of the report:** July 1, 2008

**For Quarter Ending:** July 2, 2008

**Project Title:** Open Pit Quarry Restoration to Bio-Viable Land

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**Names of Co-PI:**

**Percentage of work completed in this period (%):** 25%

**Accumulative Percentage of work completed (%):** 25%

**Completion Date:** Feb. 28, 2009

**Project status:** Scheduled  Suspended  Delayed  Cancelled  Completed

Activities progress: (according to work schedule submitted with application)

<b>Task #</b>	<b>Major Activity</b>	<b>Date started</b>	<b>% Completed</b>	<b>Estimated date of completion</b>	<b>Date Completed</b>	<b>Dependant on task(s)</b>
01	Soil sampling and preparation	Mar. 1	100	Mar. 31	Mar. 31	Isomar Latorre Imiraily Hernandez
02	Statistical experimental design, operation, analysis, & interpretation	Mar. 20	50	Aug. 31	-	Isomar Latorre
03						
04						
05						

**Summary of Progress on Project this Quarter:** Soil samples were collected from the site to be restored in the future. An experiment was set up in a statistical manner and operated. Infiltrated water samples were monitored and analyzed in order to see the cause and effect of backfilling on water quality. For more information, please refer to the enclosed quarterly report.

**Problems encountered and/or assistance need:** The cost of chemicals vital to the analysis was much more expensive than projected, due mainly to the extraordinary shipping and handling costs in PR.

**Certifications:**

*As the Principal Investigator, I certify that the information contained within this quarterly report accurately reflects the status of this project.*

Sangchul Hwang  
PI Name/Signature

July 1, 2008  
Date

*Enclosed*