

PUERTO RICO WATER RESOURCES AND ENVIRONMENTAL
RESEARCH INSTITUTE

104B SECTION RESEARCH PROGRAM

__2nd_ Quarterly Progress Report

Date of the report: September 1, 2008 **For Quarter Ending:** August 31, 2008

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

Name of Contact (PI): Sangchul Hwang

Telephone: 787-832-4040 x.3454

Fax: 787-833-8260

E-mail: shwang@uprm.edu

Names of Co-PI:

Percentage of work completed in this period (%): 15%

Accumulative Percentage of work completed (%): 40%

Completion Date: Feb. 28, 2009

Project status: Scheduled X Suspended ___ Delayed ___ Cancelled ___ Completed

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

Task #	Major Activity	Date started	% Completed	Estimated date of completion	Date Completed	Dependant on task(s)
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	100	Aug. 31	Aug. 31	Isomar Latorre
03	Plant germination in various experimental conditions	Jul. 1	50	Dec. 31	-	Imiraily Hernandez
04	Plant growth in various experimental conditions	Jul. 1	25	Dec. 31	-	Imiraily Hernandez
05	Long term water quality monitoring	Aug. 15	5	Dec. 31	-	Isomar Latorre
06	Soil sampling and preparation	Sep. 1	-	Sep. 14	-	Isomar Latorre, Imiraily Hernandez

Summary of Progress on Project this Quarter: Soil samples were collected from the site to be restored in the future. A water quality 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. Plant (vegetation) experiments were also performed to assess feasibility of bio-viable land use after restoration. Plant germination and growth have been monitored. 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 estimated, due mainly to the extraordinary shipping and handling costs in PR. The PI hopes to be able to financially support further the two graduate students working in the project.

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

September 1, 2008
Date

Enclosed