

**COMPREHENSIVE INTEGRATED MANAGEMENT PLAN
FOR THE MAYAGÜEZ BAY WATERSHED
RESEARCH PROGRAM**

For the month ending: 12/31/2003 **Date of the report:** 1/10/2004 **Project #** CIMP- 002

Project Title: Nutrient discharges from Mayagüez Bay Watershed

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Percentage of Work completed in this month (%). 8

Accumulative Percentage of work completed (%). 33

Summary of Progress on Project in this month by task as listed in the work schedule (attach additional sheets, if necessary):

1. We have completed bi-weekly grab sampling at the five stations of the sub-watersheds Quebrada Cercada, Cerro Gordo, Quebrada Cerrote, Quebrada Chamorro, and Guaba within the RGA watershed. To date we have completed sampling for the following dates for the year 2003: 20 January, 4 February, 18 February, 4 March, 18 March, 2 April, 22 April, 29 April, 12 May, 28 May, 10 June, 24 June, 8 July, 18 August, 2 September, 16 September, 30 September, 14 October, 28 October, 11 November, 2 December, and 16 December. A total of 36 sampling events have been performed over a 582 day period. In addition two transects, involving five sampling points each, to assess sources of bacteria to streamwater column have been performed.
2. Nearly 80% of the dissolved P, total P, and total Kjeldahl N analysis have been completed. All of suspended sediment analysis has been completed. All of the bacterial and suspended sediment analyses have been completed. Dissolved NH_4^+ -N and NO_3^- -N analysis are in progress. Chlorophyll a values will be analyzed during the month of January.
3. Two ISCO 3000 Automatic Storm Event Samplers have been installed at Cercada and Cerro Gordo subwatershed in Añasco. Storm event sampling has been performed from August to December 2003. We will continue to monitor the stations, although it is expected that less events will occur during the coming three months.
4. Data analysis and interpretation is in progress.

Status (Please check were appropriate)

Project Status (x)

On Schedule **Delayed** **Suspended** **Cancelled** **Completed**