

Project Management Plan (PMP)

Team vision statement:

Continue to learn about water resources, Enhance our global collaboration competencies, Gain a greater appreciation of the Dominican people and culture.

Purpose: *Study the feasibility of building a dam on the Chavón river.*

Sponsor: Instituto Nacional De Recursos Hidráulicos

Scope of work summary

Define Watershed Characteristics-basin delineation and comp.

o Collect Data

DEM, soil map, land use

o Hydrologic data—closest stations

Streamflow

Precip

o Set up WMS Model

Delineate watershed

Make corrections

Produce reports

Elevation-area-volume

Hydrograph

o Analysis of Reservoir Capacity and Demand

Get Demand Data from Reports

Develop Ripple analysis

Make double mass curve

Calculate: demand, fill time, etc.

- Sequent Peak
 - Learn what this is
 - Perform analysis

o Develop Water Balance

o Flood Control

- Calculate maximum probable flood/flow
- Delineate flood plane
 - Identify residential areas at risk

o Environmental concerns?

- Ask Erick what is wanted

Project schedule

		01/19/12	01/26/12	02/02/12	02/09/12	02/16/12	02/23/12	03/01/12	03/08/12	03/15/12				
PMP														
Collect Data for Watershed Delineation														
DEM														
Precipitation														
Stream Flow														
Soil Type														
Land Use														
Set Up WMS Model														
Make Corrections to DEM if Needed														
Delineate Watershed														
Input Data into HMS														
Calibrate Model														
Generate Graphs														
Double Mass Curve														
Elevation/Volume Curve														
Develop Ripple Model														
Analyse Reservoir Capacity & Demand														
Calculate Maximum Probably Flow/Flood														
Delineate Flood Plane*														
Environmental Concern Analysis														
Produce Report														
Visit Site														
Adjust Model/Reports														
Present Findings														
*Production is subject to availability of time.														

Communication plan: Our team meets on Tuesdays and Thursdays from 5:30 - 6:30. We will provide weekly updates of our progress on our [communication](#) page.