Re-delineation of a Tropical Watershed to Improve Data Accuracy for Étang Saumâtre, Haiti

Helenmary Hotz

ESRI UC – San Diego, CA

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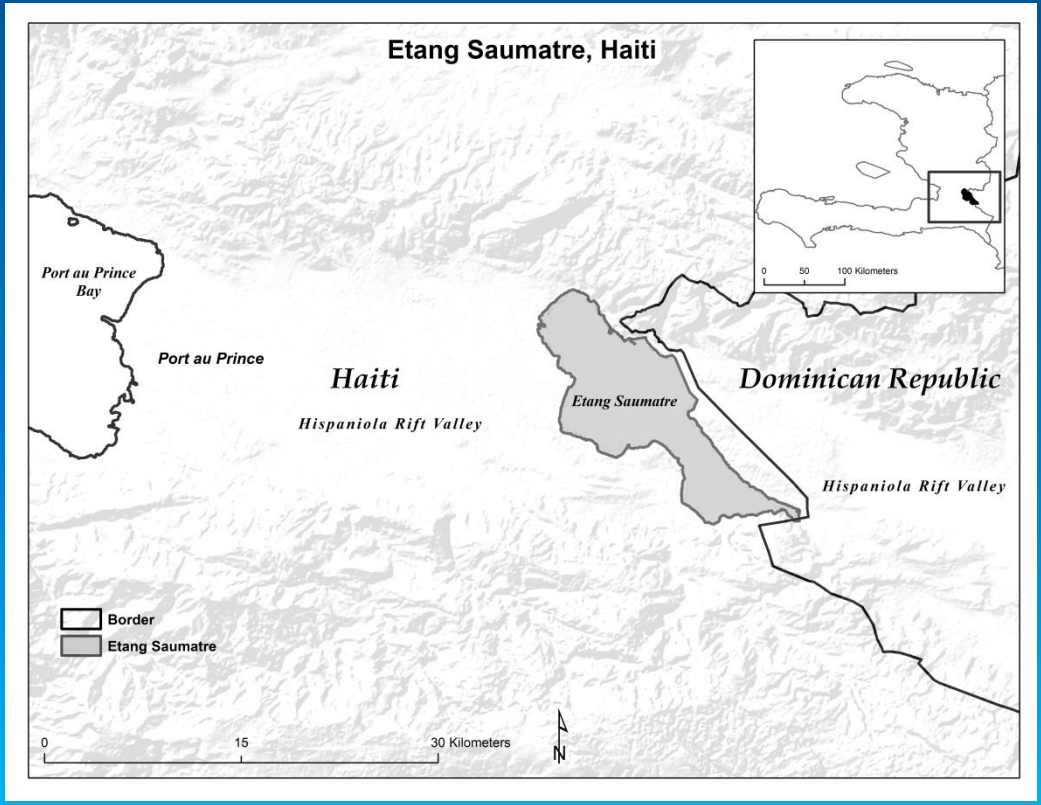
UMASS BOSTON

Introduction

Background

Tropical vs. Temperate Watershed

Study Region



Statement of Problem

Statement of Problem (cont)

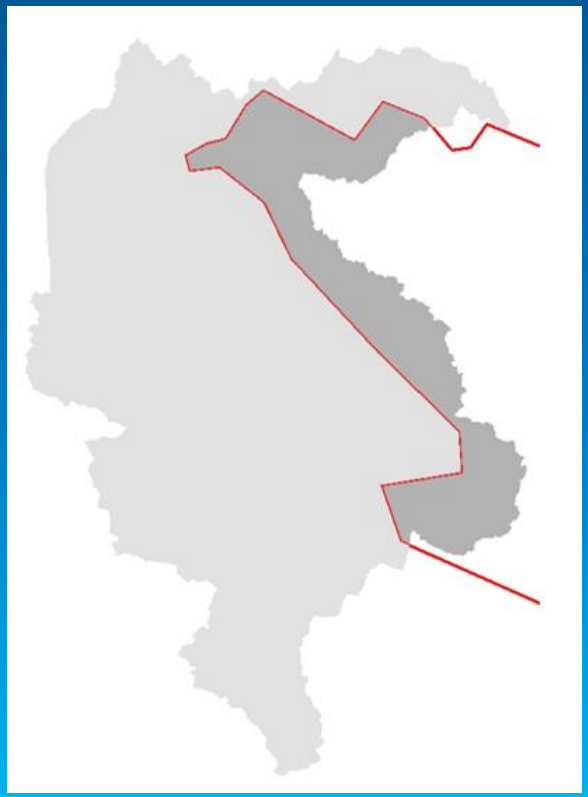
Methods

Methods

Results – Re-delineation

Table 1. Summary of statistics for TNC and re-delineated (Étang Saumâtre) watersheds in Haiti.

Name	Area sq km	Area sq km Haiti	Area sq km Dominican Republic	% watershed in Dominican Republic
TNC Large	1597.77	1597.77	0.00	0.00%
TNC Medium	1597.77	1597.77	0.00	0.00%
TNC Small	1121.82	1121.82	0.00	0.00%
Étang Saumâtre	453.42	367.04	86.39	19.00



Inclusion of territory in the Dominican Republic will impact the ratio of forested to deforested land in the watershed, which can affect the chemical and biological profile of the waters contributing to ES.

QA/QC - 1

Generation of watersheds for other lakes within Cul de Sac basin and/or in close proximity to ES

QA/QC - 2

Generation of sub-watersheds within ES

QA/QC - 3

Agreement with topographic contour derived data.

Implications – Broader Impacts

Thank you!