United States Environmental Protection Agency
National Pollutant Discharge Elimination System
Notice of Intent (NOI) for coverage under the Small Municipal Separate Storm Sewer System (MS4) General Permit (PRR040000) for Puerto Rico

RECEIVED 09/30/2014

Part A. General Information

1. Name of Municipality or Organization: Municipality of Humacao
2. Type: ◯ Federal ◯ State ⓧ Municipality ◯ Other: _____
3. Existing Permittee: ⓧ Yes ◯ No If yes, provide EPA NPDES Permit Number: P R R 0 4 0 0 1 4
4. Location Address:
   a. Street: Calle Atanasio Martínez
   b. City: Humacao State: PR Zip Code: 00792
5. Mailing Address:
   a. Street: Apartado 178
   b. City: Humacao State: PR Zip Code: 00792
6. Telephone Number: (787) 852-3066 Fax: (787) 285-2306
7. E-mail: _____
8. Standard Industrial Classification (SIC) Code (see instructions for common codes): 9 1 9 9
9. Latitude: (use the format provided.) Longitude: (use the format provided.)
   Approximate center of the regulated portion of the MS4.

1 8° 0 9′ 0 6″ N (degrees, minutes, seconds) 6 5° 4 9′ 0 6″ W (degrees, minutes, seconds)

Or

___ ___. ___ ___ ___ ___° N (degrees decimal) ___ ___. ___ ___ ___ ___° W (degrees decimal)

Part B. Primary MS4 Program Manager Contact Information

1. Name: Zugeily Donato Ramos
2. Position Title: Environmental Officer
3. Stormwater Management Program (SWMP) Location (web address or physical location):
   planificacion@humacao.gov.pr
4. Mailing Address:
   a. Street: Apartado 178
   b. City: Humacao State: PR Zip Code: 00792

5. Telephone Number: (787) 852-3066

6. E-mail: zdonato@humacao.gov.pr

Part C. Eligibility Determination

1. Endangered Species Act (ESA) determination complete? ☒ Yes ◯ No
   a. Eligibility Criteria (check all that apply): ☒ A ◯ B ◯ C ◯ D ◯ E
2. National Historic Preservation Act (NHPA) determination complete? ◯ Yes ◯ No
   a. Eligibility Criteria (check all that apply): ☒ A ◯ B ◯ C ◯ D

Part D. Map/Boundaries

1. MS4/Organization Description of regulated boundaries (narrative):
   The Municipality covers an area of approximately 44.85 square miles of which 4.93 square miles are classified as urban area (for purposes of our MS4 management plan, only the delineated urban area is considered the service area of the municipality storm sewer system.
2. Location Map/Boundaries. A location map must be attached showing the pertinent city, town, wards, or boundaries, the boundaries of the Small MS4, including surface water body(s), and the "urbanized area" (UA) when applicable.
   Is map attached? ☒ Yes ◯ No

Part E. MS4 Infrastructure (if covered under the 2006 general permit)

1. Estimated Percent of Outfall Map Complete? (*Part 4.2.3 of 2006 general permit*): 5 %
   a. If 100% of 2006 requirements are not met, enter an estimated date of completion: 7/30/2018 (MM/DD/YYYY)
   b. Web address where MS4 map is published: map attached
   If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission.

Part F. Bylaw/Ordinance Development (if covered under the 2006 general permit)

1. Illicit Discharge Detection and Elimination (IDDE) authority adopted? ☒ Yes ◯ No
   a. Effective Date or Estimated Date of Adoption: 03/11/2013 (MM/DD/YYYY)
2. Construction/Erosion and Sediment Control authority adopted? ◯ Yes ☒ No
   a. Effective Date or Estimated Date of Adoption: Between march or April 2017 (Attach Ordinance draft) (MM/DD/YYYY)
3. Post-Construction Stormwater Management adopted? ◯ Yes ☒ No

a. Effective Date or Estimated Date of Adoption: _____Between march or April 2017_____
The ordinance draft is in Legal Division for review and they will summit to Municipality Legislature approve.

(MM/DD/YYYY)

Part G. Receiving Waters

List the names of all surface waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments. You may attach additional information.

Waterbody Segment that receives flow from the MS4	Number of Outfalls into receiving waterbody segment	Have any monitoring been performed to outfalls? (Yes/No)	List of Pollutant(s) causing impairment (if applicable)	List of TMDL Pollutant (s) (if any)
Humacao River PRER33A	13	No	Copper Lead Surfactants Total Coliforms Turbidity Cyanide	Total Coliforms
Mabú Creek	17	No		
Caño Fronteras	9	No		
Mariana Creek	7	No		

Part H. Summary of Stormwater Management Program (SWMP) under the 2006 Small MS4 General Permit
For every measurable goal and associated Best Management Practice (BMP) listed in the adopted program, provide the following information (You may include additional pages):

BMP Description or BMP ID (e.g. MCM-1)	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification(s) to goals or BMP for next permit cycle
Storm water Education Brochure Distribution Campaign	Yes	Yes	General Public	Update the information
Development of Educational and Outreach Material	Yes	Yes	General Public	Update the information
Environmental Fair	Yes	Yes	General Public	Continue
Municipality Web page	No	Yes	General Public	Create a webpage that includes information about NPDES
Waterbodies cleanup	Yes	Yes	General Public	Continue
Conferences/workshop	Yes	Yes	General Public	Continue
Illicit discharge and dumping training	Yes	Yes	Municipal employees in the Department of Public Works	Continue

Part I. 2016 Stormwater Management Program (SWMP) Summary
Public Education and Outreach (See Part 2.4.2 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Education Topic (Identify the issue your BMP is educating the public about.)	Outreach Method (Describe the method used to convey this topic, e.g. mailing, events, school, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., number mailing sent, people at vent, class participation, etc.)
School age education campaign	Storm Water Management	The municipality offers a presentation and informative brochure to educate students.	The goal is to gather many students as possible and with a questions and answers session we will see how much they learn and will apply.
Water Bodies cleanup activities	Maintain a good water quality	Gather volunteers to clean the water basin.	The goal is to have as many volunteers as possible and collect as much trash possible and recyclable materials.
Public education and Program Progress Exhibit	Storm Water Management	Public talks in communities informative tables.	Attendance List
Environmental Fair	- Storm Water Management -Environmental Conservation	-Contests (Environmental drawings, recyclable materials dress, etc.) -Environmental show for kids. -workshops and more	Attendance list
Environmental month activities June	Storm Water Management	Workshops	Attendance list
Municipal Environmental Committee	Storm Water Management	Train the personal in BMP's to help educate other employees	Recruit at least 10 employees.
Radio Public Announcement	Storm Water Management Program	Orientation to the public with radio interview	Amount of interviews done.
Municipality Web page	Storm Water Management Program	Posting the NPDES Municipal Plan and a complaint form to report illegal discharges.	Maintain record of the complaints.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Public Involvement and Participation (See Part 2.4.3 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will inspire public participation, e.g. special events, volunteer sampling and monitoring efforts, household hazardous waste recycling, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., participation, amount of sampling performed, waste collected, etc.)
Storm Water Volunteer Group	The municipality will recruit volunteers and train them to help sampling and identifying illegal discharges.	Participants amount, at least 10 community participants.
Storm Water Stencil Campaign	Stenciling storm water drains inlets.	Do the activity in the majority of the identified storm water discharge points and drain inlets.
Storm Water Interagency Committee	Create an interagency committee to involve agencies in the planning and implementation process of the Storm Water Management Program.	Join agencies like Department of Public Works, Department of Environmental Resources, Environmental Quality Board and other agencies related to water management and conservation.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Illicit Discharge Detection and Elimination (See Part 2.4.4 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will indentify and remove illicit connections from the MS4, e.g. new regulations, investigation practices, removal of illicit connections, etc.)	Measurable Goal (What i the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of investigation performed, identified and removed illicit connections, etc.)
Municipal Storm water Hotline	The volunteers will help in identifying problem areas for the municipality in order to prioritize its cleanup efforts	Maintain a call log.
Storm Sewer Maping	A map for the MS4 in Humacao that shows the location of the majority of the outfalls and the locations of the water bodies receiving the discharges of non-storm water into the storm water system	A total of 46 outfalls were found for Humacao's MS4.
Legal Prohibition and Enforcement	Locate problem areas, find the source, remove or correct illicit connections and document the course of action.	Maintain a record of the illicit discharges detected and removed/connected.
Plan to detect and eliminate illegal discharges	The municipality receives complaints of illegal discharge usually by telephone. Environmental Affairs Unit Staff proceeds to make a field visit to identify illegal discharge and its source. The necessary information for the inventory map for the storm water discharge is obtained. A flow of the Identified discharge is drawn. If there is the potential source of illegal discharge found, it proceeds to follow the Standard Operating Procedure to Remove or Eliminate Illegal Discharge. A form that identifies the discharge is maintained as part of the Municipality's database. If the origin of any violation is identify, what proceed is to target and take information from the person or entity incurring default. Sanitary discharges identified from the sanitary sewer system owned by the Water and Sewerage Authority will get attention by submitting a form including the date, case number, location, violation, photo, and inspector; for the removal of illegal discharge. In cases of sanitary discharges, it is also necessary, to call the supervisor of health brigades that take immediate corrective action.	1. Keeping the files with the form processed to the entity or person that caused the illegal discharges. 2. Through the notification of the person or entity that caused the discharge indicating that the same was corrective.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Construction Site Stormwater Runoff Control (See Part 2.4.5 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will help control stormwater runoff at construction sites, e.g. new regulations, construction practices, inspection protocols, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of inspections performed and sites actively regulated, etc.)
Implement of Erosion Control and sedimentation Prevention Measures	For any construction project with an area greater than 900 meters must submit a control of erosion and sedimentation Plan. The measures in the Plan must be approved by the Environmental Quality Board	Amount of site inspections. Public ordinance in place procedures for site inspection implemented. Reduction of sedimentation of water bodies.
Project Inspections	Members of the Environmental Committee and other agencies may perform inspections on every project.	Amount of inspections per year made.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Post-Construction Stormwater Management in New Development and Redevelopment (See Part 2.4.6 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will control stormwater runoff from properties after they are developed, e.g. new regulations, practices, or resources for contractors to use Low Impact Development (LID), etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of implemented practices, development of capacity building resources, etc.)
Detention of infiltration	Collect and gather runoff and slowly realizing it to receiving waters or drainage system.	Train all staff that will be performing inspections. All the private and Municipal projects must implement BMP's correctly
	A group of employees will be oriented to verify the establishment of BMP in the projects in operation.	List of projects and inspection forms for when inspections and orientations are conducted for BMPs establishment.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Good Housekeeping and Pollution Prevention in Municipal Operations (See Part 2.4.7 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will mitigate stormwater runoff at municipal properties ort through municipal activities, e.g. installation of structural stormwater controls on the municipal properties, new practices to reduce pollutant exposure to rain events, runoff management, trainings, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., structural BMPs installed, SOPs developed and implemented, etc.)
Develop and implement an operation and maintenance program with good housekeeping measures	Training program for employees in charge of maintenance and management of Municipal Public Works Department. Perform inspections an Municipal facilities.	Train all the municipal employees of the Municipal Public Works Department.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Post-Construction Stormwater Management in New Development and Redevelopment (See Part 2.4.6 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will control stormwater runoff from properties after they are developed, e.g. new regulations, practices, or resources for contractors to use Low Impact Development (LID), etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of implemented practices, development of capacity building resources, etc.)
Detention of infiltration	Collect and gather runoff and slowly realizing it to receiving waters or drainage system.	Train all staff that will be performing inspections. All the private and Municipal projects must implement BMP's correctly
	Trained designated employees will inspect post.	

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)
Good Housekeeping and Pollution Prevention in Municipal Operations (See Part 2.4.7 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will mitigate stormwater runoff at municipal properties ort through municipal activities, e.g. installation of structural stormwater controls on the municipal properties, new practices to reduce pollutant exposure to rain events, runoff management, trainings, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., structural BMPs installed, SOPs developed and implemented, etc.)
Develop and implement an operation and maintenance program with good housekeeping measures	Training program for employees in charge of maintenance and management of Municipal Public Works Department. Perform inspections an Municipal facilities.	Train all the municipal employees of the Municipal Public Works Department.

Part J. Application Certification and Signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Mayor/Elected Official: _____

Print Name of Mayor/Elected Official: Marcelo Trujillo Panisse

Title: Mayor

Date: _____

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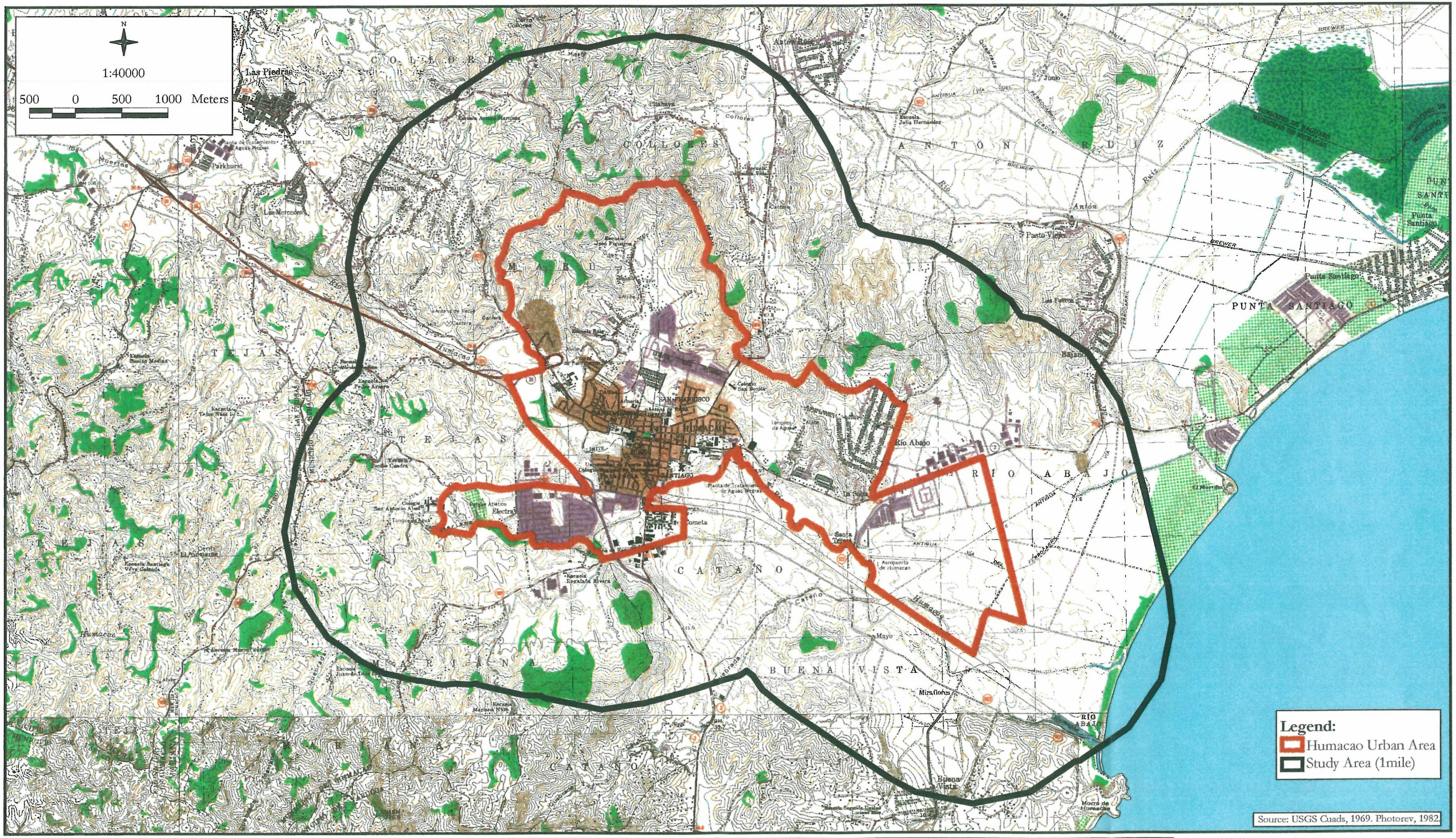

Topographic Map

NPDES Phase II, Humacao Municipality

CSA Group

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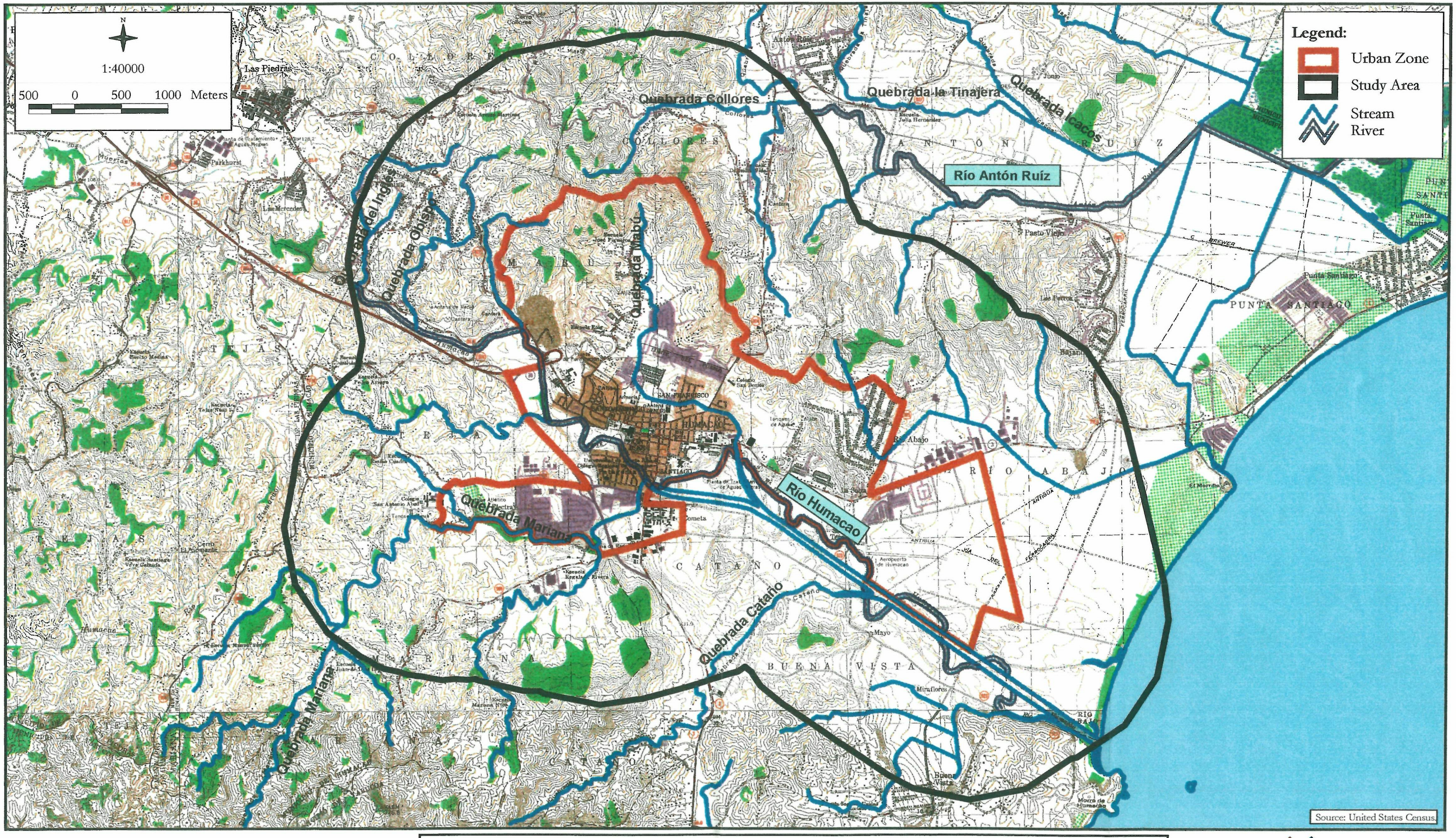

Hydrographic Map

NPDES Phase II, Humacao Municipality

CSA Group

OFICINA ESTATAL DE
CONSERVACIÓN HISTÓRICA
OFICINA DEL GOBERNADOR

STATE HISTORIC
PRESERVATION OFFICE
OFFICE OF THE GOVERNOR

SHPO
OECH

Departamento de Planificación
Recibido: Hernández
Fecha: 11/marzo/14
Iniciales: SGA

March 5, 2014

Rafael Hernández-Genao, PE, RPA, PPL
Director
Planning Department
Municipality of Humacao
P.O. Box 178
Humacao, Puerto Rico 00792

SHPO: #02-04-14-01 NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4), HUMACAO, PUERTO RICO

Dear Mr. Hernández:

Our Office has received and reviewed the above referenced project in accordance with Section 106 of the *National Historic Preservation Act of 1966,* as amended, and 36 CFR Part 800: *Protection of Historic Properties* from the Advisory Council on Historic Preservation. The State Historic Preservation Officer (SHPO) is to advise and assist federal agencies and other responsible entities when identifying historic properties, assessing effects upon them, and considering alternatives to avoid or reduce the project's effects.

Our records support your finding of **no historic properties affected** within the project's area of potential effects.

Please note that should the Agency discover other historic properties at any point during project implementation, you should notify the SHPO immediately. If you have any questions, please contact Santiago Gala Aguilera, M. Arch., at (787) 721-3737 or sgala@prshpo.gobierno.pr.

Sincerely,

Diana López Sotomayor

Diana López Sotomayor
State Historic Preservation Officer

DLS/NPT/BRS/SGA/srf

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services
Field Office
P.O. Box 491
Boqueron, PR 00622

DEC 21 2012

In Reply Refer To:
FWS/R4/CESFO/72069-047

Mr. Angel Díaz
Director, Oficinal de Asuntos Ambientales
PO Box 178
Humacao, Puerto Rico 00792

Re: NPDES Municipal Storm Water Plan

Dear Mr. Díaz:

This is in reply to your October 16, letter, requesting our comments on the second phase of the Municipality of Humacao NPDES permit. Our comments are issued as technical assistance in accordance with the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq) and the Endangered Species Act (16 U.S.C. 1531 et seq as amended).

The Municipality of Humacao has been working with EPA to address the requirements of the storm water regulations. The two main water bodies in the municipality are the Humacao River and the Mabú River (Los Muertos Creek). The municipality will be implementing a public education and outreach program on storm water management. The municipality will also develop, implement and enforce the reduction of storm water runoff. Based on the project description, no suitable habitat for federally listed threatened or endangered species is present. For this reason, the Service determines that no effect to listed species will occur as a result of the proposed action. Therefore, no further consultation is required. Nevertheless, if the project is modified or if information on impacts to listed species becomes available this office should be contacted concerning the need for the initiation of consultation under section 7 of the Act. Thank you for the opportunity to comment on this action, if you have any questions please contact Felix Lopez of my staff at 787 851-7297 x 210.

Sincerely yours,

Edwin E. Muñiz
Field Supervisor

fhl
cc:
EPA, San Juan