NOTICE OF INTENT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT

PRR040000/PRR04000F

SEPARATE STORM SEWER SYSTEMS 2016

Municipio Autónomo de San Juan

MUNICIPALITY OF SAN JUAN

PO Box 70179

San Juan, PR 00936-8179

U.S. ENVIRONMENTAL PROTECTION AGENCY – REGION II

CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION

City View Plaza, Suite 7000

#48 165 Rd Km 1.2

Guaynabo, Puerto Rico 00968

28 September 2016

Table of Content

APPENDICES

1.0 NPDES (NOTICE OF INTENT) PERMIT APPLICATION

1.1 BACKGROUND

In 1972, Congress amended the Clean Water Act (CWA) to prohibit the discharge of any pollutant to waters of the United States from point sources unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. Initial efforts under the NPDES program focused on reducing pollutants in discharges of industrial process wastewater and municipal sewage. As pollution control measures have been implemented, it has become evident that diffuse sources or nonpoint sources are also contributors of water quality degradation. In 1990, the US Environmental Protection Agency (EPA) promulgated rules establishing Phase I of the NPDES storm water program. The Phase I program for MS4s requires operators of "medium" and "large" MS4s, that is, those that generally serve populations of 100,000 or greater, to implement a storm water management program as a means to control polluted discharges from these MS4s. EPA published the Storm Water Phase II Rule on December 9, 1999 which covers all small MS4s located in "urbanized areas" as defined by the Bureau of the Census.

As outlined in these regulations the Autonomous Municipality of San Juan (MSJ) is required to submit an application for permit coverage as well as a Storm Water Management Plan (SWMP). On March 7, 2008 the Municipality submitted an NOI and on September 5, 2008 were issued coverage under Permit Number PRR040036. The Municipality developed and submitted a Stormwater Management Plan on March 2008 and a revised SWMP on February 2015.

1.2 2016 MS4 GENERAL PERMIT

The General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems in the Commonwealth of Puerto Rico, Permit Number PRR040000 effective July 1, 2016 requires permitees to submit NOI within 90 days of the effective date of the permit.

"Operators of Small MS4s seeking authorization to discharge under the terms and conditions of this permit shall submit a complete and accurate NOI that contains the information identified in Appendix F. This includes operators of small MS4s that were previously authorized under the November 6, 2006 Small MS4 General Permit."

1.3 NOTICE OF INTENT FORM FOR MS4 IN PUERTO RICO (APPENDIX F)

1.3.1 PART A. GENERAL INFORMATION

1. Name of Municipality or Organization: **Municipality of San Juan**

2. Type: ◯ Federal ◯ State ✓Municipality ◯ Other:

3. Existing Permittee: ✓ Yes ◯ No
If yes, provide EPA NPDES Permit Number: **PRR040036**

4. Location Address:
a. Street: **Edificio Roosevelt Plaza #185 Ave. F.D. Roosevelt Hato Rey**
b. City: **San Juan** State: **PR** Zip Code: **00936-8179**

5. Mailing Address:
a. Street: **P.O. Box 70179**
b. City: **San Juan** State: **PR** Zip Code: **00936-8179**

6. Telephone Number: **(787)480-2308** Fax: (**787) 758-8484**

7. E-mail: **norosa@sanjuanciudadpatria.com**

8. Standard Industrial Classification (SIC) Code: **9199**

9. Latitude: **18°24'23"N** Longitude: **66°03'50"W**
2.2.4.2 *Approximate center of the regulated portion of the MS4.*

1.3.2 PART B. PRIMARY MS4 PROGRAM MANAGER CONTACT INFORMATION

1. Name: **Noelia Y. Rosa Jaime**

2. Position Title: **Subadministrator and Director of Environmental Compliance and Planning Office**

3. Stormwater Management Program (SWMP) Location (web address or physical location): **Edificio Roosevelt Plaza #185 Ave. F.D. Roosevelt Hato Rey, San Juan**

4. Mailing Address:
a. Street: **PO Box 70179**
b. City: **San Juan** State: **PR** Zip Code: **00936-8179**

5. Telephone Number: **(787)480-2308**

6. E-mail: **norosa@sanjuanciudadpatria.com**

1.3.3 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

1.3.4 PART D. MAP/BOUNDARIES

1. MS4/Organization Description of regulated boundaries (narrative):

The Municipality of San Juan has a territorial extension of 77 square miles (199 km^2) and a population of 395,326 inhabitants, according to the 2010 Census. San Juan is located along the north-eastern coast of Puerto Rico. It lies south of the Atlantic Ocean; north of Caguas and Trujillo Alto; east of Guaynabo; and west of Carolina. The city occupies an area of 76.93 square miles (199.2 km^2), of which, 29.11 square miles (75.4 km^2). San Juan's main water bodies are the San Juan Bay and two natural lagoons, Condado and San José.

San Juan is composed of a variety of districts and neighborhoods and is subdivided into 18 wards: Caimito, Cupey, El Cinco, Gobernador Piñero, Hato Rey Central, Hato Rey Norte, Hato Rey Sur, Monacillo, Monacillo Urbano, Oriente, Pueblo, Quebrada Arenas, Sabana Llana Norte, Sabana Llana Sur, San Juan Antiguo, Santurce, Tortugo and Universidad. The entire Municipality is within the "urbanized areas" that require coverage under the NPDES MS4 General Permit.

The Autonomous Municipality of San Juan Storm Water Sewer System (MS4s) in the urban areas in general consist of a series of catch basins, typically located within the right-of-way of municipal and state Commonwealth roads, interconnected by underground concrete which normally discharge to the main rivers, Rio Piedras and Rio Puerto Nuevo and to a series of creeks and channels. In the rural areas the Municipal MS4s system typically consists of a series of interconnected open channel culverts, which run parallel to municipal and state Commonwealth roads, and usually discharge to a surface water body. Interconnected to the Municipal MS4s system are the storm water sewer systems owned and operated by the Puerto Rico Department of Transportation and Public Works. Also, interconnected to the Municipal MS4s system are the discharges from NPDES (Stormwater) permitted facilities.

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

1.3.5 PART E. MS4 INFRASTRUCTURE

1. Estimated Percent of Outfall Map Complete? (*Part 4.2.3 of 2006 general permit*):
80% outfall map complete

a. If 100% of 2006 requirements are not met, enter an estimated date of completion:
The Municipality of San Juan is working under a Consent Decree since October 2015 that provides 3 years for the completion of the outfall inventory, therefore an estimated date for completion would be October 2018.

b. Web address where MS4 map is published: **Attached in Appendix A**

1.3.6 PART F. BYLAW/ORDINANCE DEVELOPMENT

1. Illicit Discharge Detection and Elimination (IDDE) authority adopted?
✓ Yes ◯ No
a. Effective Date or Estimated Date of Adoption: **March 9, 2011**

2. Construction/Erosion and Sediment Control authority adopted?
✓ Yes ◯ No
a. Effective Date or Estimated Date of Adoption: **March 9, 2011**

3. Post-Construction Stormwater Management adopted?
◯ Yes ✓ No
a. Effective Date or Estimated Date of Adoption: **July 2017**

1.3.7 PART G. RECEIVING WATERS

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)
Quebrada Guaracanal	**37**	**Yes**	**None**	**None**
Río Piedras	**151**	**Yes**	**Ammonia (0600) Low Dissolved Oxygen (1200) Oil & Grease (1900) pH (1000) Thermal Modifications (1400) Total Coliforms (1700) Turbidity (2500)**	**Fecal Coliform**

Quebrada Josefina	**42**	**Yes**	**None**	**None**
Río Puerto Nuevo	**26**	**Yes**	**None**	**None**
Quebrada Margarita	**33**	**Yes**	**None**	**None**
Quebrada Doña Ana	**49**	**Yes**	**None**	**None**
Quebrada Juan Mendez	**79**	**Yes**	**Ammonia (0600) Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) pH (1000) Thermal Modifications (1400) Total Coliforms (1700) Turbidity (2500)**	**Fecal Coliform**
Quebrada Buena Vista	**44**	**Yes**	**None**	**None**
Caño Martin Peña	**3**	**Yes**	**Ammonia (0600) Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) pH (1000) Thermal Modifications (1400) Total Coliforms (1700) Turbidity (2500)**	**Fecal Coliform**

Río Puerto Nuevo	**26**	**Yes**	**None**	**None**
Quebrada Margarita	**33**	**Yes**	**None**	**None**
Quebrada Doña Ana	**49**	**Yes**	**None**	**None**
Quebrada Juan Méndez	**79**	**Yes**	**Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) Fecal Coliforms (1700) pH (1000) Thermal Modifications (1400) Total Coliforms (1700) Turbidity (2500)**	**None**
Quebrada Buena Vista	**44**	**Yes**	**None**	**None**
Caño Martin Peña	**3**	**Yes**	**Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) Fecal Coliforms (1700) pH (1000) Thermal Modifications (1400) Total Coliforms (1700) Turbidity (2500)**	**None**
Quebrada Sabana Llana	**6**	**Yes**	**None**	**None**
Quebrada San Antón	**To be determined**	**No**	**Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) Fecal Coliforms (1700) pH (1000) Thermal Modifications (1400) Total Coliforms (1700) Turbidity (2500)**	**None**
Quebrada Frailes	**To be determined**	**No**	**None**	**None**

Quebrada Los Guanos	**To be determined**	**No**	**None**	**None**
Quebrada Mongil	**To be determined**	**No**	**None**	**None**
Quebrada de Los Muertos	**To be determined**	**No**	**None**	**None**
Quebrada Las Curias	**To be determined**	**No**	**None**	**None**
Bahía de San Juan	**To be determined**	**No**	**Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) pH (1000) Thermal Modifications (1400) Turbidity (2500)**	**Fecal Coliform**
Laguna San José	**To be determined**	**No**	**Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) Fecal Coliforms (1700) pH (1000) Thermal Modifications (1400) Total Coliforms (1700) Turbidity (2500)**	**None**
Laguna Los Corozos	**To be determined**	**No**	**Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) Fecal Coliforms (1700) pH (1000) Thermal Modifications (1400) Total Coliforms (1700) Turbidity (2500))**	**None**
Laguna del Condado	**To be determined**	**No**	**Low Dissolved Oxygen (1200) Oil & Grease (1900) Enterococcus Bacteria (1700) pH (1000) Thermal Modifications (1400) Turbidity (2500)**	**Fecal Coliform**

Lago Las Curias	**To be determined**	**No**	**Ammonia (0600)** **Low Dissolved Oxygen (1200)** **Oil & Grease (1900)** **pH (1000)** **Thermal Modifications (1400)** **Total Coliforms (1700)** **Turbidity (2500)**	**Fecal Coliform**
Caño de San Antonio	**To be determined**	**No**	**Low Dissolved Oxygen (1200)** **Oil & Grease (1900)** **Enterococcus Bacteria (1700)** **pH (1000)** **Thermal Modifications (1400)** **Turbidity (2500)**	**Fecal Coliform**
Océano Atlántico	**To be determined**	**No**	**Turbidity (2500)** **For PREC14 (Punta Las Marias to Punta Cangrejos) segment**	**None**

1.3.8 PART H. SUMMARY OF STORMWATER MANAGEMENT PROGRAM (SWMP) UNDER THE 2006 SMALL MS4 GENERAL PERMIT

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
MCM1: PUBLIC EDUCATION				
BMP 1- Public Awareness- Develop and distribute outreach material and conduct lectures	**Yes**	**Yes**	**General Public**	**This BMPs goal will be to develop an educational letter and/or flyer to distribute to the community.**
BMP-2 Promote Stormwater Message	**Yes**	**Yes**	**General Public**	**No**
BMP-3 Stormwater Outreach to Commerce and Business	**Yes**	**Yes**	**Commerce and Businesses**	**No**
BMP-4 Support Schools Stormwater Education Efforts	**Yes**	**Yes**	**School aged children**	**No**
MCM2: PUBLIC INVOLVEMENT				
BMP-1 Storm Drain Marking	**Yes**	**Yes**	**General Public and School Aged Children**	**No**
BMP-2 Stream Cleanup	**Yes**	**Yes**	**General Public**	**No**
BMP-3 Stakeholder Meetings	**Yes**	**Yes**	**General Public**	**No**
BMP-4 Attitude Surveys	**Yes**	**Yes**	**General Public**	**This BMP will be modified to a Public Survey.**
MCM3: ILLICIT DISCHARGE DETECTION AND ELIMINATION				

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
BMP -1 Develop Storm Sewer System Map	**Yes**	**Yes**	**General Public**	**MSJ will Develop Storm Sewer Map in accordance to requirements in sec. 2.4.4.6 of the NPDES MS4 GP-2016**
BMP-2 Local Illicit Discharge Ordinance and Enforcement System	**Yes**	**Yes**	**General Public Municipal Employees Businesses**	**MSJ will revise Ordinance and SOPs to include elements required in the NPDES MS4 GP-2016**
BMP-3 Illicit Discharge Detection and Elimination Program	**Yes**	**Yes**	**General Public Municipal Employees Businesses**	**MSJ will Develop an IDDE Program according to requirements in sec. 2.4.4.8 of the NPDES MS4 GP-2016**
BMP-4 Detect and Eliminate Solid Waste Dumping	**Yes**	**Yes**	**General Public Municipal Employees Businesses**	**No**
BMP-5 Education to Public Employees, Businesses and the Public	**Yes**	**Yes**	**General Public Municipal Employees Businesses**	**No**
MCM 4: CONSTRUCTION				
BMP-1 Require Erosion and Sedimentation Control Plan for any Land Disturbance Greater than 1 Acre	**Yes**	**Yes**	**Designers Developers Contractors Inspectors Enforcement personnel**	**No**
BMP-2 Develop Educational Program aimed to Increase Compliance with Construction Sites Runoff Minimum Law Requirements	**Yes**	**Yes**	**Designers Developers Contractors Inspectors Enforcement personnel**	**No**
MCM 5: POST-CONSTRUCTION				

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
BMP-1 Develop a Program aimed to Identify the Best Structural/Non-Structural Controls Related with Post Construction Storm Water Management in New Developments and Re-developments	**Yes**	**Yes**	**Designers Developers Contractors Inspectors Enforcement personnel**	**No**
MCM 6: POLLUTION PREVENTION (GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS)				
BMP-1 Storm Water System Maintenance Prevention and Inspections	**Yes**	**Yes**	**Municipal employees**	**This BMP will be part of MS4 Infrastructure O& M Program.**
BMP-2 Street, Road, Sidewalks and Squares Sweeping and Washing	**Yes**	**Yes**	**Municipal employees**	**This BMP will be part of O& M Programs and SWPPPs developed for facilities.**
BMP-3 Landscape and Grounds Management	**Yes**	**Yes**	**Municipal employees**	**This BMP will be part of O& M Programs and SWPPPs developed for facilities.**
BMP-4 Pesticide Use/Fumigation	**Yes**	**Yes**	**Municipal employees**	**This BMP will be part of O& M Programs and SWPPPs developed for facilities.**
BMP-5 Spill Prevention Plan	**Yes**	**Yes**	**Municipal employees**	**No**
BMP-6 Vehicle Preventive Maintenance	**Yes**	**Yes**	**Municipal employees**	**This BMP will be part of O& M Programs and SWPPPs developed for facilities.**
BMP-7 Vehicle Fueling	**Yes**	**Yes**	**Municipal employees**	**This BMP will be part of O& M Programs and SWPPPs developed for facilities.**

BMP Description	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification to goals or BMP for next permit cycle
BMP-8 Solid Waste Collection Program	**Yes**	**Yes**	**General Public**	**No**
BMP-9 Recycling Program	**Yes**	**Yes**	**General Public**	**No**

1.3.9 PART I. 2016 STORMWATER MANAGEMENT PROGRAM (SWMP) SUMMARY

1.3.9.1 PUBLIC EDUCATION AND OUTREACH

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 event, class participation, etc.)
Public Awareness-Develop and distribute outreach material and conduct lectures	**Illicit Discharges Pet Waste Pollution Prevention BMPs Vehicle Maintenance and Washing Septic System Maintenance Recycling**	**An educational flyer or letter will be distributed throughout the Municipality's communities.**	**Number of downloaded materials Number of lectures conducted Number of people attending lecture Number of educational materials developed**
Promote Stormwater Message	**Illicit Discharges Pet Waste Pollution Prevention BMPs Vehicle Maintenance and Washing Septic System Maintenance Recycling**	**Public Service Announcements transmitted through local radio station, newspaper and webpage**	**Number of announcements transmitted per month. Number of downloaded materials Number of educational materials developed**
Stormwater Outreach to Commerce and Business	**Illicit Discharges Vehicle Maintenance and Washing**	**Environmental activities conducted with businesses and**	**Number of businesses that participated and received information regarding stormwater topics.**

	Septic System Maintenance Recycling	**educational materials developed.**	
Support Schools Stormwater Education Efforts	**Illicit Discharges Pet Waste Pollution Prevention BMPs Recycling**	**Environmental activities conducted with schools and educational materials developed for school aged children.**	**Number of children and schools participating Number of educational materials developed and distributed**

1.2.9.2 PUBLIC INVOLVEMENT

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 Drain Marking	**The Storm drain stenciling activities take place with volunteer schools to create awareness of stormwater pollution prevention issues.**	**The amount of volunteers participating The amount of storm drains marked**
Stream Cleanup	**The Annual Beach Clean-up takes place once a year with the participation of community volunteers, Scuba Dogs Society and the Municipality.**	**The amount of volunteers The amount waste collected will determine program effectiveness.**
Stakeholder Meetings	**The Municipality will hold an annual meeting to allow the public to participate in the review and implementation of the SWMP.**	**The number of people attending the meetings**
Public Surveys	**The Municipality developed and distributed a Public Survey to gather information regarding the public's knowledge and awareness of stormwater issues.**	**The amount of surveys distributed The amount of people impacted**

1.3.9.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will identify and remove illicit connections from the MS4, e.g. new regulations, investigation practices, removal of illicit connections, 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 investigation performed, identified and removed illicit connections, etc.)
Storm Sewer System Map	**The Map will include elements required in section 2.4.4.6 (a)(i) of GP-2016.**	**The measurable goal will be met once the Map is completed in its entirety.**
Implement Regulations to Enforce Non-stormwater Discharges	**Existing Ordinance will be revised and continue to be implemented.**	**Number of Illicit Discharges detected and eliminated**
Program to Detect, Identify and Eliminate Illegal Discharges including SSOs	**The Program shall include all requirements in Sec 2.4.4.8 of GP-2016, including catchment priority ranking, investigation and sampling procedures. SSOs will be inspected and eliminated according to Sec 2.4.4.4 of GP-2016.**	**Number of Illicit Discharges detected and eliminated**
Outfall Inventory	**All outfalls will be identified and inspected according to Sec 2.4.4.7 of GP-2016.**	**Number or of outfalls identified and inspected**
Program to Detect and Eliminate Solid Waste Dumping	**Illegal dumpling is prohibited by Municipal Ordinance, in addition the Municipality is implementing an educational campaign to prevent and restore dumping sites.**	**Number of illegal dumping sites identified and eliminated** **Number of educational materials developed and distributed.**

1.3.9.4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will help control	Measurable Goal (What is the end result of this program? What indicator will determine the goal

	stormwater runoff at construction sites, e.g. new regulations, construction practices, inspection protocols, etc.)	has been met? (e.g., adoption of bylaws/ordinances, amount of inspections performed and sites actively regulated, etc.)
Ordinance or Other Regulatory Mechanism	**The Municipality will continue to implement municipal ordinance requiring erosion and sedimentation controls for polluted runoff from construction sites with a land disturbance of greater than or equal to one acre (4,046.8564 square meters) or if the construction activity disturbs less than one acre but is part of a larger common plan of development or sale that would disturbed one acre or more.**	**The number of regulatory mechanisms created and the number of penalties imposed.**
General Construction Site Waste Controls	**To comply with this BMP, the Municipality developed an ordinance for storm water runoff control at construction sites. The inspection staff will conduct the construction site waste controls inspection and follow up on the correction of deficiencies encounter during the inspections.** **For the implementation of this municipal ordinance, the Municipality developed a Standard Operating Procedure (SOP) for the inspection of construction projects. The SOP establishes on detail the inspection process that will be followed by municipal employees to ensure the compliance with this BMP.** **The implementation includes trainings to inspection staff and construction related professionals.**	**Number of erosion control projects reviewed.** **Number of inspections conducted.**

Information Submitted by the Public	**The Municipality developed a Standard Operating Procedure (SOP) for processing complaints regarding storm water contamination at construction sites, an Inspection Form and Database.**	**Number of reports received.**
Construction Site Inspection and Enforcement	**The Municipality developed a Standard Operating Procedure (SOP) and Forms for the inspection of construction sites. The SOP establishes in detail the inspection process that will be followed by municipal employees to ensure the compliance with the SWPPP, CES Plan and the Construction Site Waste Controls.**	**Number of inspections conducted.**

1.3.9.5 POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

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.)
Ordinances or Other Regulatory Mechanisms	**The Municipality will develop a regulatory mechanism for the implementation of the Operation and Maintenance Post Construction BMP's Program for new development or redevelopments. The goal of this storm water management ordinance for post-construction runoff is to limit surface runoff volumes and reduce water runoff pollutant loadings.** **The implementation will include trainings to inspection staff,**	**The development of the municipal ordinance and approval of the municipal ordinance by the Municipal Legislature and Mayor;** **The development of SOP for the review and inspection of O&M Plans;** **The implementation of the SOP for the review and inspection of O&M Plans; and** **Number of attendees to the training of municipal employees and construction related professionals.**

	developers, contractors, designers and construction related professionals. The training would include classroom presentations, in-field training, and follow-up evaluations to determine whether the training was effective.	
Structural and Non- Structural BMPs Guide	**The Municipality will develop a guide to promote the use of structural and non- structural BMPs on new developments and redevelopments.** **The implementation will include trainings to inspection staff, developers, contractors, designers and construction related professionals. The training would include classroom presentations, in-field training, and follow-up evaluations to determine whether the training was effective.**	**The number of structural and non- structural BMPs used;** **The number of educational materials distributed through mailing lists; and** **The number of BMPs installed to manage runoff Post Construction.**
Inspection and Maintenance Program	**The Municipality will develop an inspection and maintenance program to maintain the effectiveness of post-construction storm water control BMP's. All BMP's shall be inspected for continued effectiveness and structural integrity at regular inspection intervals. The inspector shall document whether the BMP is performing correctly, any damage to the BMP since the last inspection, and any repairs to the BMP if damage has occurred.** **A municipal ordinance and an standard operating procedure (SOP) be will developed for the implementation of the Operation and Maintenance Post Construction BMP's**	**The number of agreements approved for Post Construction BMP's; and** **The number of inspections conducted by municipal employees on Post Construction BMP's.**

	Program for new development or redevelopments.	

1.3.9.6 GOOD HOUSEKEEPING AND POLLUTION PREVENTION IN MUNICIPAL OPERATIONS

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.)
Materials Management Program	**The Municipality will develop procedures for responsibly managing chemicals, such as fertilizers, solvents, paints, cleaners, and automotive products. In addition will also develop procedures for the use of alternative products that will prevent their hazardous counterparts from being disposed of improperly and contaminating storm water.** **This program will include practices for managing materials by improving the maintenance of machinery, establishing material storage and inventory controls, improving routine cleaning and inspection of facilities where materials and wastes are stored or processed, maintaining organized workplaces, and educating employees.**	**The number of facilities storing hazardous materials or wastes;** **The frequency of inspection and maintenance visits to storage facilities;** **The number of personnel trained in hazardous material and waste handling and storage; and** **The amount of hazardous waste generated by municipal operations.**
Operations and Maintenance (O & M) Programs	**The municipality will develop an inventory of all facilities and review**	**Inventory of municipal facilities;**

	this inventory annually and update as necessary. In addition the municipality will develop written operations and maintenance procedures for the municipal activities listed below: **a. Parks and open spaces-** **i. Develop procedures to address the proper use, storage, and disposal of pesticides, herbicides, fertilizers, lawn clippings and other vegetative waste.** **ii. Develop procedures for management of trash containers at parks and for placing signage in areas concerning the proper disposal of pet wastes.** **b. Buildings and facilities where pollutants are exposed to stormwater runoff-** **i. Develop procedures for the use, storage, and disposal of petroleum products and other potential stormwater pollutants** **ii. Develop management procedures for dumpsters and other waste management equipment.** **iii. Develop SPCC Plans where applicable.** **c. Vehicles and Equipment-** **i. Develop procedures for the storage and maintenance of municipal vehicles.** **ii. Develop procedures for fueling areas**	**The number of operation and maintenance procedures developed;** **The frequency of inspection and maintenance visits to facilities;** **The number of personnel trained O & M procedures; and** **The number of educational materials distributed to municipal employees with information of O & M procedures.**

	iii. Develop procedures to ensure that vehicle wash waters are not discharged to the municipal storm sewer system or to surface waters. d. Infrastructure Operations and Maintenance i. Develop a program detailing the activities and procedures to maintain MS4 infrastructure to reduce the discharge of pollutants from the MS4 ii. Develop schedule for the frequency of routine cleaning and inspections that will ensure that no catch basin at anytime will be more than 50 percent full. iii. Develop procedures for sweeping and/or cleaning streets, and municipal-owned parking lots. iv. Develop procedures for proper storage and disposal of catch basin cleanings and street sweepings to ensure it does not discharge to receiving waters.	
Spill Response and Prevention Program	**The Municipality shall develop procedures for spill response and prevention plans that shall state how to stop, contain, cleanup, dispose of contaminated materials, and train personnel to prevent and control future spills. This plan shall be applicable to all sites where hazardous**	**Inventory of municipal facilities at risk for spills;** **The number of preventative maintenance procedures performed on tanks, valves, pumps, pipes, and other equipment;** **Development of a spill response plan for**

	wastes are stored or used. Municipal employees will be train at least once a year about spill response and prevention techniques. Records of the trainings offered to employees will be retained for a period of 5 years.	municipal facilities; The number of personnel trained in spill response and prevention techniques; and The number of educational materials distributed to municipal employees with information of spill response and prevention plans.
Staff Training Program	The Municipality will develop a training and education component of the operations and maintenance program designed to reduce pollutant runoff from municipal operations. Municipal employees who are directly involved in potentially polluting activities such as materials management would receive both general stormwater and targeted BMP training tailored to their activities. This will increase the likelihood that receiving waters and the storm drain system will be protected from inadvertent discharges and spills.	The number of personnel trained in spills response and prevention techniques, good housekeeping practices and materials and waste management (hazardous and non-hazardous).
Stormwater Pollution Prevention Programs (SWPPP)	Develop and fully implement a SWPPP for the following municipality-owned or operated facilities: maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater. SWPPPs shall include all elements required in Part 2.4.7.2 (b)(i-vi) of GP-2016.	Inventory of municipal facilities that require SWPPP; Development of SWPPP for municipal facilities; The frequency of inspections visits at municipal facilities and The number of personnel trained in SWPPP.

Solid Waste and Recycling Programs	**The Municipality will continue to implement its Solid Waste Recycling Program to collect office paper, newspaper, plastic, cardboard, Christmas trees and aluminum. The Programs consist of an educational component to municipal employees and the general public.**	**Amount of materials recycled** **Amount of educational materials developed and distributed**

1.3.10 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.

Por:

Signature of Mayor/Elected Official: Andrés García Martino
Administrator of the City

Hon. Carmen Yulín Cruz Soto
Print Name of Mayor/Elected Official:

Title: **Mayor**

Date: 28 Sept 2016

APPENDIX A – MAPS

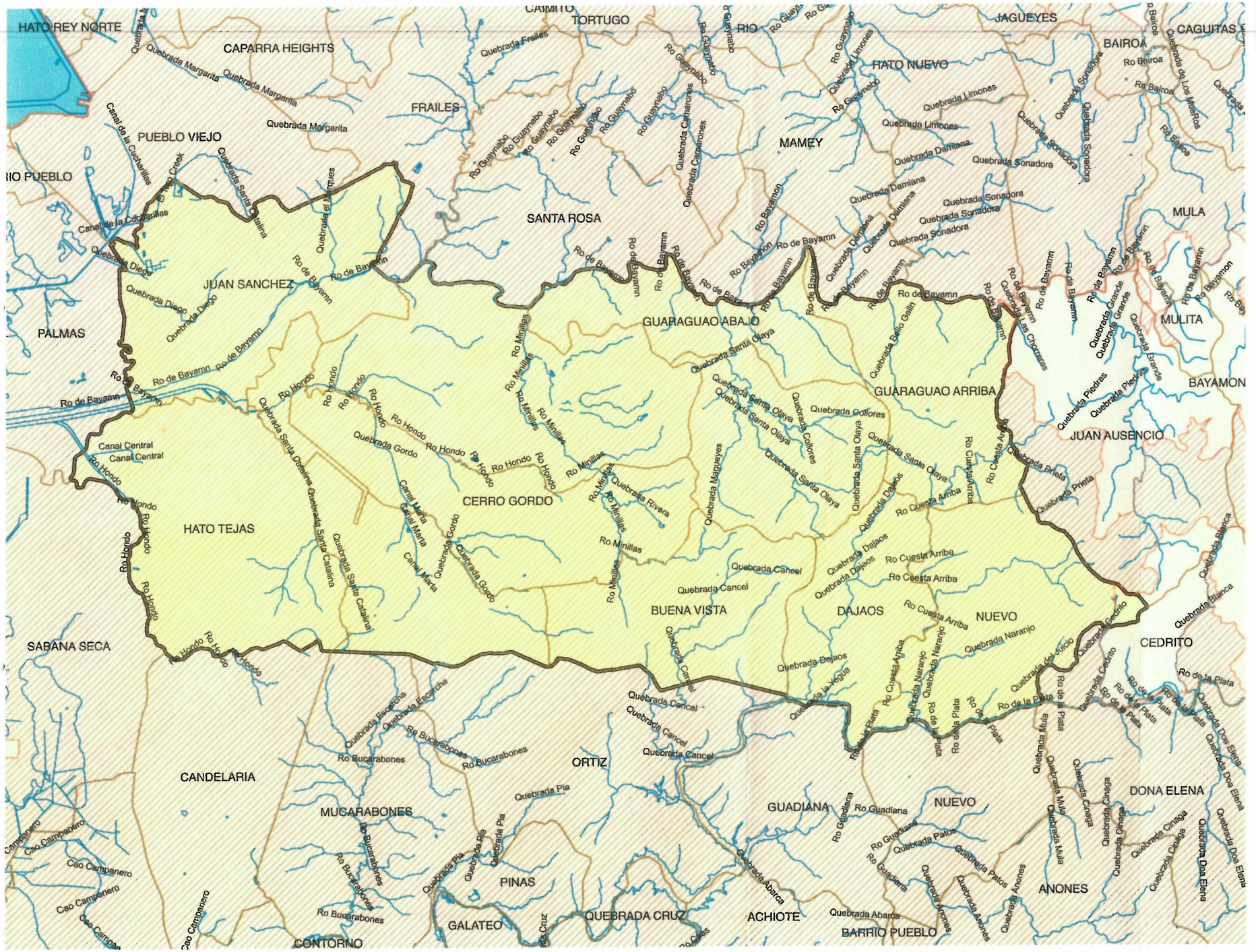


Figure 1
Urbanized Areas
Notice of Intent - NPDES MS4 PRR040000
Municipality of Bayamón

N E S W

Legend

Urbanized Areas (U.S. Census 2010)

- Urbanized Areas
- Wards
- Waterbodies

Municipality

- Bayamón

Source:
US Census Bureau TIGER data, 2010 Census

Projection:
State Plane Coordinate System - Puerto Rico
Horizontal Datum - NAD83

1 0 1 2 km

1 0 1 miles

BAYAMÓN

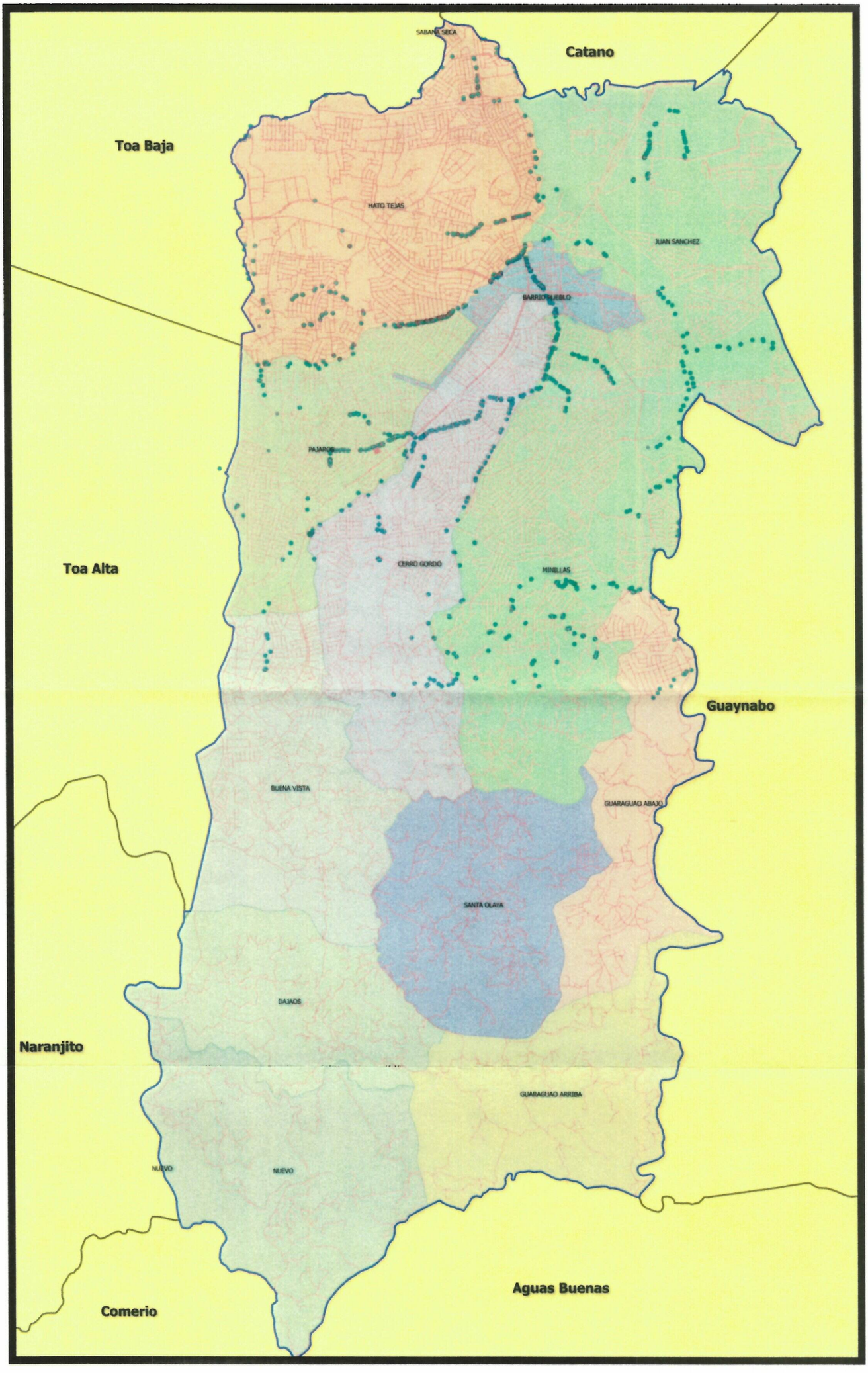
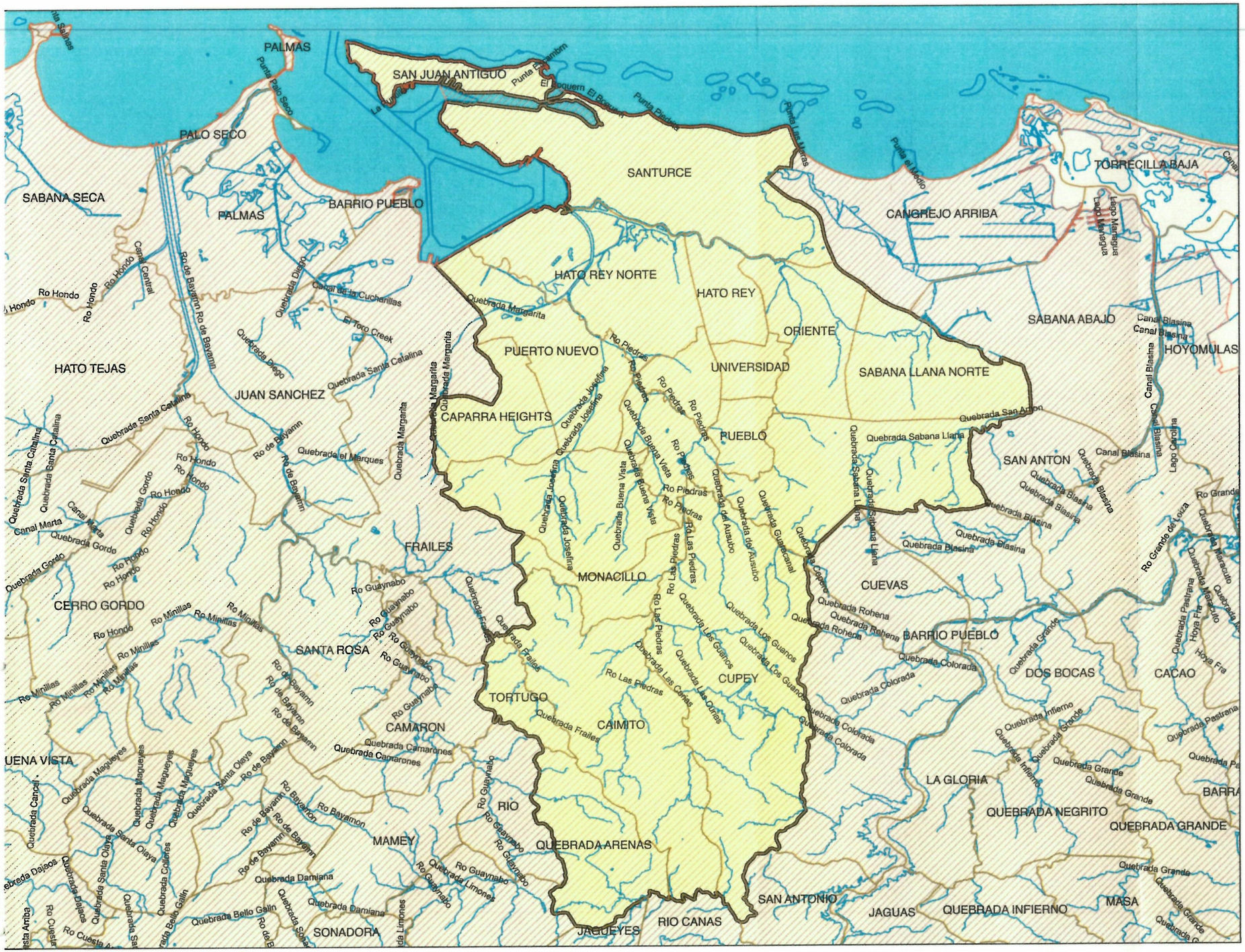

SABANA SECA
Catano
Toa Baja
HATO TEJAS
JUAN SANCHEZ
BARRIO PUEBLO
PAJAROS
Toa Alta
CERRO GORDO
MINILLAS
Guaynabo
BUENA VISTA
GUARAGUAO ABAJO
SANTA OLAYA
DAJAOS
Naranjito
GUARAGUAO ARRIBA
NUEVO
NUEVO
Aguas Buenas
Comerio

Figure 1
Urbanized Areas
Notice of Intent - NPDES MS4 PRR040000
Municipality of San Juan



Legend

Urbanized Areas (U.S. Census 2010)

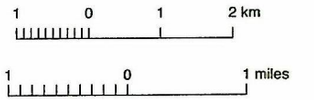
- Urbanized Areas
- Wards
- Waterbodies

Municipality

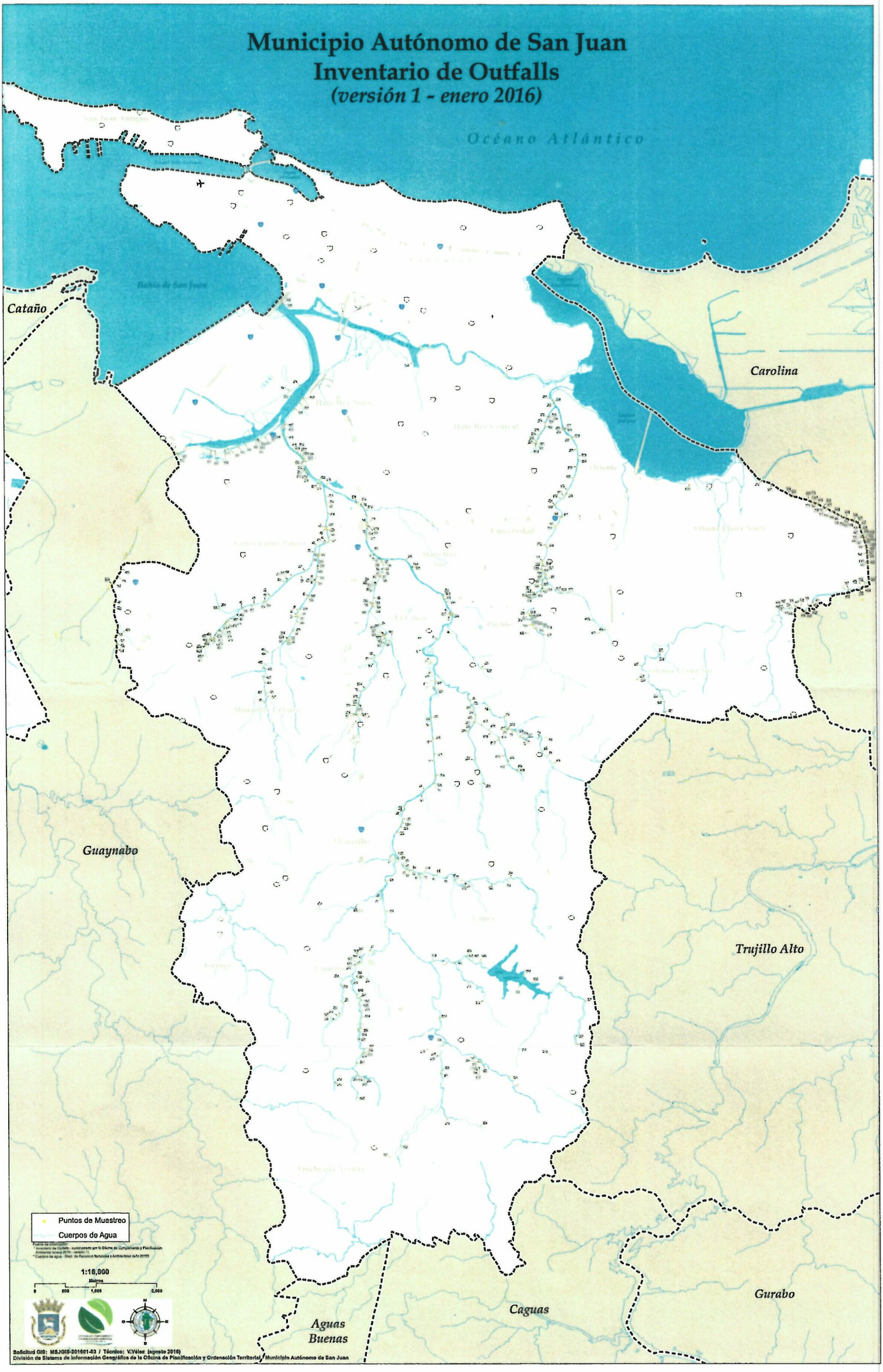
- San Juan

Source:
US Census Bureau TIGER data, 2010 Census

Projection:
State Plane Coordinate System - Puerto Rico
Horizontal Datum - NAD83



Municipio Autónomo de San Juan
Inventario de Outfalls
(versión 1 - enero 2016)



Solicitud GIS: MSJGIS-201601-03 / Técnico: V.Vélez (agosto 2016)
División de Sistema de Información Geográfica de la Oficina de Planificación y Ordenación Territorial / Municipio Autónomo de San Juan

APPENDIX B – ELIGIBILITY DETERMINATION

United States Department of the Interior

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

SEP 19 2016

In Reply Refer To:
FWS/R4/CESFO/72-127-GEN

Mrs. Keila Pacheco
ACE Environmental, Inc.
Po Box 19895
San Juan, Puerto Rico 00910-9895

Re: San Juan NPDES MS4-2014 Permit

Dear Mrs. Pacheco:

We have reviewed your request for information about endangered and threatened species and their habitats for the above referenced project. Our comments are provided under the Endangered Species Act (Act) of 1973, as amended (87 Stat. 884, as amended; 16 United States Code 1531 et seq.).

The Municipality of San Juan, Puerto Rico is requesting coverage under the 2014 NPDES (National Pollutant Discharge Elimination System) General Permit for the MS4 (Municipal Separate Storm Sewer System). The MS4 collected storm water discharge into the San Juan Bay.

Based on the information provided and the nature of the permit we concur with your determination that the storm water discharge is not likely to adversely affect federally listed threatened or endangered species or their designated critical habitat(s) under our purview. 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.

Sincerely yours,

for Edwin E. Muñiz
Field Supervisor

agcs

cc
EPA, San Juan