



Estado Libre Asociado de Puerto Rico
Municipio de Corozal
Oficina del Alcalde

September 16, 2016

Eng. Sergio Bosques
Regional Storm Water Coordinator
Caribbean Environmental Protection Division
City View Plaza II – Suite 7000
#48 Rd. 165 km 1.2
Guaynabo, PR 00968-8069

2016 SEP 28 AM 9:18
U.S. EPA
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NOTICE OF INTENT-NOI- **MUNICIPALITY OF COROZAL**,
FOR STORM WATER DISCHARGES FROM SMALL MS4s IN URBANIZED AREAS

As part of the provisions of the Clean Water Act, Section 402 (p), requires that storm water discharges, associated with municipal separate storm sewer system (MS4s) in urbanized areas, to waters of the US must be authorized by a National Pollutant Discharge Elimination System (NPDES) permit. In order to comply with this requirement, we are submitting our Notice of Intent for the NPDES Permit no. PRR040059. The updated SWMP document will be modified in the next 6 months as required in Section 1.11 of the 2016 signed permit, and pursuant to Title 40, Part 122.34 Subpart B, or Permit Application and Special NPDES Program Requirements. The Municipality of Corozal has the intention of comply with the Permit's provisions and EPA requirements. In you need additional information, do not hesitate to contact us at the Mayor's Office at 787-859-4491 or via e-mail at mignelia.torres@corozal.pr.gov

Sincerely,


Hon. Sergio L. Torres Torres
Mayor

Enclosure

Notice of Intent

GOBIERNO MUNICIPAL DE COROZAL

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NOTICE OF INTENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II,
REGULATED SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4's)

INDIVIDUAL PERMIT

MUNICIPALITY OF COROZAL

EPA REGION 2 PUERTO RICO

PREPARED BY
ECOSTAHLIA CONSULTORES AMBIENTALES
SAN JUAN, PUERTO RICO

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 (PRR040059) for Puerto Rico

Part A. General Information

1. Name of Municipality or Organization: MUNICIPALITY OF COROZAL
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 5 9
4. Location Address:
 - a. Street: 9 CALLE SIXTO FEBUS
 - b. City: COROZAL State: PR Zip Code: 00783
5. Mailing Address:
 - a. Street: 9 CALLE SIXTO FEBUS
 - b. City: COROZAL State: PR Zip Code: 00783
6. Telephone Number: 787-859-4491 Fax: _____
7. E-mail: mignelia.torres@corozal.pr.gov
8. Standard Industrial Classification (SIC) Code (see instructions for common codes): 9199
9. Latitude: (use the format provided.) Longitude: (use the format provided.)
2.2.4.2 Approximate center of the regulated portion of the MS4.
- ° - ' " N (degrees, minutes, seconds) - ° - ' " W (degrees, minutes, seconds)

Or

18.340640° N (degrees decimal) - 66.317203 ° W (degrees decimal)

Part B. Primary MS4 Program Manager Contact Information

1. Name: LUZMIGNELIA TORRES
2. Position Title: SECRETARIA MUNICIPAL
3. Stormwater Management Program (SWMP) Location (web address or physical location):

4. Mailing Address:
 - a. Street: 9 CALLE SIXTO FEBUS
 - b. City: COROZAL State: PR Zip Code: 00783

5. Telephone Number: 787-859-4491

6. E-mail: mignelia.torres@corozal.pr.gov

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 F
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 OF COROZAL IS POSITIONED IN THE INNER-ORIENTAL REGION OF PUERTO RICO. IT IS LOCATED NORTH OF VEGA ALTA AND TOA ALTA; EAST OF NARANJITO; WEST OF MOROVIS AND OROCOVIS; AND SOUTH OF OROCOVIS, BARRANQUITAS AND NARANJITO (SEE FIGURE X OF APPENDIX X). ITS SURFACE AREA INCLUDES A TOTAL OF 110.4 KM² (42.6 MI²) AND HAS A POPULATION OF 37,142 INHABITANTS, ACCORDING TO THE 2010 CENSUS. IT IS COMPOSED OF 12 WARDS AND ALL OF THEM FALLS WITHIN THE URBANIZED AREA, AS DEFINED IN SECTION 9 OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT FOR DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (PRR040000).

- ABRAS
- CIBUCO
- CUCHILLAS
- DOS BOCAS
- MAGUEYES
- MANA
- NEGROS
- PADILLA
- PALMAREJO
- PALMARITO
- PALOS BLANCOS
- PUEBLO

THE MAIN ACCESS TO COROZAL IS THROUGH SECONDARY AND TERTIARY ROADS. STATE ROAD PR-159 CONNECTS COROZAL WITH TOA ALTA THROUGH THE NORTH AND MOROVIS TO THE NORTHWEST. IN ADDITION, THE DEVIATION OF PR-159, THAT CONNECT TO THE STATE ROADS PR-165 AND 164, COMMUNICATES COROZAL WITH NARANJITO.

THE MUNICIPALITY OF COROZAL HAS TWO SURFACE WATER RESOURCES OF IMPORTANCE: RIO GRANDE DE MANATI AND RIO CIBUCO. RIO GRANDE DE MANATI FLOWS IN DIRECTION EAST-WEST. RIO CIBUCO AND ITS TRIBUTARIES (RIO MARAVILLA, RIO COROZAL, RIO DOS BOCAS AND RIO LOS NEGROS) OCCUPY TWO THIRDS OF THE MUNICIPALITY SURFACE AREA. FIGURE 4 OF APPENDIX A SHOWS THE SUPERFICIAL WATER RESOURCES OF THE MUNICIPALITY OF COROZAL. SALTO GRANDE IS A WATERFALL FORMED BY A TRIBUTARY OF RIO GRANDE DE MANATI AND IS LOCATED IN MAGUEYES WARD.

THE MUNICIPAL OPERATIONS ARE MOSTLY CATEGORIZED AS ADMINISTRATIVE AND COMMUNITY SERVICE. SOME OF THE MAYOR RESPONSIBILITIES OF THE MUNICIPALITY OF COROZAL ARE MONITOR BUTGET, DRAFT LOCAL LEGISLATION, DEVELOP LOCAL POLICY, AND EXECUTE LEGALLY MANDATED GOVERNMENT ACTIVITIES DESIGN TO PROVIDE SERVICES TO ITS RESIDENTS. THE MOST IMPORTANT MUNICIPAL OPERATIONS INCLUDE THE CREATION OF LOCAL POLICIES, STRATEGIES AND PLANS AIMED TO DEVELOP OUR FUTURE GROWTH; DESIGN, ORGANIZE AND DEVELOP PROJECTS, PROGRAMS AND ACTIVITIES FOR THE GENERAL WELFARE AND PUBLIC SERVICE; CONSTRUCT, IMPROVE, REPAIR, REBUILD AND/OR REHABILITATE FACILITIES FOR THE BETTER SERVICE OF THEIR COMMUNITIES; ORGANIZE AND SUPERVISE THE MUNICIPAL POLICE FORCE; ESTABLISH PROGRAMS TO PREVENT INCIDENTS, INCLUDING ASSISTING THE COMMUNITY IN EMERGENCIES OR NATURAL DISASTERS, CATASTROPHIC ACCIDENTS OR DISASTERS AND CIVIL PROTECTION IN GENERAL; PROTECT AND PRESERVE OUR RESOURCES AND PROMOTE THE PROTECTION OF HEALTH AND SAFETY OF OUR CITIZENS BY GIVING MAINTENANCE TO ALL THE MUNICIPAL FACILITIES, REGULATE AND ADMINISTER THE PROGRAM CONCERNING STRAY DOMESTIC ANIMALS; PROVIDE SERVICES AND PROGRAMS FOR THE COLLECTION OF WASTE AND PROVIDE ONGOING MAINTENANCE TO THE 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? (*Section 4.2.3 of 2006 general permit*): 60 %
INVENTORY WORK HAS BEEN AN ONGOING PROCESS SINCE 2014 USING A WEB BASE INTERFACE TOOL
WWW.MS4WEB.COM.

- a. If 100% of 2006 requirements are not met, enter an estimated date of completion: 12/30/2017
(MM/DD/YYYY)
- b. Web address where MS4 map is published:
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: 03/06/2015
(MM/DD/YYYY)

2. Construction/Erosion and Sediment Control authority adopted? Yes No

a. Effective Date or Estimated Date of Adoption: 03/06/2015
(MM/DD/YYYY)

3. Post-Construction Stormwater Management adopted? Yes No

a. Effective Date or Estimated Date of Adoption: 03/06/2015
(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)
Río Los Negros	24	No	Arsenic, Cyanide, Fecal Coliform, Surfactants	
Río Cibuco	29	No	Cyanide, Total Coliform, Turbidity	
Río Manatí	N/A	No	Arsenic, Copper, Cyanide, Fecal Coliform, Surfactants, Turbidity	Fecal Coliform
Río Mavilla	8	No	Fecal Coliform	
Río Unibón	N/A	No	Fecal Coliform	
Río Corozal	9	No	Arsenic, Cyanide, Fecal Coliform, Surfactants	

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
MCM-1 Public Education & Outreach				
Storm Water-Related Public Service Announcements	Yes	Yes	Public Meetings, School Lectures	Included in the public education program.
Development and Distribution of Storm Water-Related Materials	No	Yes	General public and private sector. Budget constraints.	The municipality is expecting to continue with the BMP
Storm Water Web Page	No	Yes	General public and private sector. Under construction, general contact information is provided in the municipality web page.	Public service announcements can be posted on the municipality's web page.
Storm Water Pamphlets, Booklets, and Flyers	No	No	General public and private sector. Budget constraints.	The municipality will distribute pamphlets on designated events.
MCM-2 Public Involvement & Participation				
Storm Drain Stenciling Program	No	Yes	General Public and Homeowners. The relocation of financial resources to complete other tasks of the permit.	The Municipality will continue with the same target goals.
Annual Cleanup	Yes	Yes	General Public. The targeted goal was achieved.	The Municipality will continue with the same target goals.
Public Involvement Program	Yes	Yes	Local Residents. The need for relocating funds to conduct other tasks within the NPDES Permit.	The Municipality will continue with the effort in the new cycle.

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
Community Hotline	No	Yes	Local Residents. This is an ongoing process.	The effort will continue during the new cycle.
MCM-3 Illicit Discharge Detection and Elimination Program				
Storm Sewer System Map - Develop a storm sewer system map	No	Yes	Ongoing process.	The effort will continue during the new cycle.
Implement Regulations to Enforce Non storm Water Discharges	Yes	No	None.	Amendments if needed only.
Educational Outreach	No	Yes	Local (K-12) and college students. There were no enough economical resources to reach the proposed goal.	The Municipality will focus its efforts in the K-12 groups to increase the efficiency in using local funds.
Program to Detect, Identify, and Eliminate Illicit Discharges	No	Yes	Residences city wide. This is an ongoing effort. The municipality with the support of a local firm has identified 117 illegal discharges around urban areas. There still are areas needed of surveys.	The Municipality will continue with the effort during the new cycle.
Program to Detect, Identify, and Eliminate Illegal Dumping	Yes	Yes		The Municipality will continue with the effort during the new cycle.
Program to Detect, Identify, and Eliminate Wastewater Connections to the Storm Drain System	No	Yes	Urban Areas. Lack of available funding. The task will be continued during the new cycle.	The Municipality will allocate funds to continue this task during the new cycle.

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
MCM-4 Construction Site Storm Water Runoff Control				
Ordinances or Other Regulatory Mechanisms	Yes	No	None	Amendments as needed.
General Construction Site Waste Controls	Yes	Yes	Local Residents and Contractors. The controls are in place and fully operational	The Municipality will continue with the effort during the new permit cycle.
Information Submitted by the Public	No	Yes	Dependent on public.	The Municipality will allocate the necessary funds to continue this task.
Construction Site Inspection and Enforcement	Yes	Yes	City-wide.	The Municipality will continue funding this task during the new permit cycle.
MCM-5 Post Construction And Re-Development Storm Water Program				
Development of administrative procedures and ordinances that require the implementation of post-construction runoff control measures	No	Yes	Local Residents Urban Development Boards The Municipality needed information on the impact from new regulations on a weak local economy.	For the next cycle the Municipality will complete the approval of the draft ordinance and regulation addressing Post-Construction BMPs.
Development of administrative procedures or guidelines to ensure the inspection and maintenance of the runoff control measures	No	Yes	Local Residents Urban Development Boards The Municipality needed information on the impact from new regulations on a weak local economy.	For the next cycle the Municipality will complete the approval of the draft ordinance and regulation addressing Post-Construction BMPs.

Development of administrative procedures or guidelines to ensure that new development or redevelopment plans are reviewed and verified for the inclusion of post-construction runoff control measures	No	Yes	Local Residents Urban Development Boards The Municipality needed information on the impact from new regulations on a weak local economy.	For the next cycle the Municipality will complete the approval of the draft ordinance and regulation addressing Post-Construction BMPs.
Development of administrative procedures or guidelines to ensure that one or more of the following general BMPs are included in the design plans of any new or redeveloped project: innovative BMPs, infiltration systems, filtration systems or retention/detention ponds.	No	Yes	Local Residents Urban Development Boards The Municipality needed information on the impact from new regulations on a weak local economy.	For the next cycle the Municipality will complete the approval of the draft ordinance and regulation addressing Post-Construction BMPs.
MCM-6 Pollution Prevention and Good Housekeeping				
Source Controls:	Yes	Yes	Employees and supervisors from Municipal Public Works. Employees received trainings twice a year.	The trainings will continue during the next cycle.
Material Management:	No	Yes	Construction of a new grease and oil trap in the Public Works facility started among other structural improvements to provide a better work environment.	The jobs to improve the facility will continue during the next cycle.

Part I. 2016 Stormwater Management Program (SWMP) Summary

Public Education and Outreach (See Section 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 event, class participation, etc.)
BMP-1 Storm Drain Stenciling Program	Non-Point Sources and Illegal Discharges	Storm Drains Stenciling	Number of storm water inlets painted and volunteers participating. The target is to have a minimum of 50 drains marked on yearly basis.
BMP-2 Annual Cleanup	Non-Point Sources	Volunteer and residents' participation	Number of tons of debris and recyclables collected during the cleanup events. The target is to collect 1 ton per year but to reduce the amount based in the success of the program.
BMP-3 Public Education Program	Illegal Discharges, Non-Point Sources and Erosion Control	Public Meetings, School Lectures	Number of residents attending the events. To target 200 students every year city-wide.
BMP-4 Community Hotline	Illegal Discharges and Non-Point Sources	Thru the general outreach activities, the Municipality encourages the use of the hotline to address the problems.	Number of calls and referrals to correct illegal discharges and non-point sources of pollution.
BMP-5 Social Media Education Campaign	Illegal Discharges, Non-Point Sources and Erosion Control	Posting of educational clips and messages in Facebook, Twitter, Instagram and Snapchat	Number of messages distributed, shared and viewed on a weekly basis.

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

Public Involvement and Participation (See Section 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.)
BMP-1 Storm Sewer System Map	Then Municipality is required to develop an inventory of all municipal stormwater infrastructure.	Create a map inventory of all the stormwater infrastructure in the urban area of the Municipality.
BMP-2 Implement Regulations to Enforce Non-Storm Discharges	The Municipality will start train its employees and implement the approved ordinance throughout its territory.	It is expected to start in the first semester of 2017. Reduction in illicit discharges and connections.
BMP-3 Meet with Local Community Groups and Organizations to Involve them in Stormwater Efforts	The Municipality propose the use of public meetings through the community as a mean to request their involvement in the efforts coordinated by the administration.	The number of volunteers and the total number of communities covered during the public meetings.
BMP-3 Develop and conduct periodical focus groups to discuss the current issues related to pollution from storm-waters	The Municipality propose the use of focus groups through the community as a mean to request their involvement in the efforts coordinated by the administration.	The number of volunteers participating during the focus groups and the number of issues identified and fixed.
BMP-4 Conduct Public Hearings to address Stormwater issues	The Municipality propose conducting a yearly Public Hearing to address the most pressing issues related to pollution from Stormwater runoff.	The number of participants and issues identified and resolved as a result from the Public Hearing.

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

Illicit Discharge Detection and Elimination (See Section 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 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.)
BMP-1 Prepare and implement an ordinance targeting illegal discharges at the storm sewer system	The Municipality propose to present a local ordinance and the necessary regulation targeting illegal discharges into the storm sewer system.	The number of discharges identified and corrected on a yearly basis.
BMP-2 Adopt a Stream Program	The Municipality propose the development of an adoption program with local partners aimed to target one of the water bodies located within the urban area of Corozal.	The number of streams or meters adopted and the improvement of the surface water quality of the streams.
BMP-3 MS4Web Permit Manager Tool	Corozal propose the use of the MS4Web Permit Manager as a mean to provide local residents and municipal managers with an internet based tool to access data on illegal discharges and all storm water outfalls in the city and how to address the issue of illegal discharges.	Number of residents and local managers using the Internet-based tool.
BMP-4 Used Oil Recycling Program	The Municipality of Corozal will implement the Cease the Grease Program as part of the city-wide effort to reduce the illegal discharge of used cooking oil in the storm sewer system and surface water bodies.	The number of gallons of used cooking oil recycled city-wide
BMP-5 Basic Surface Water Quality Monitoring Project	A basic surface water quality monitoring program will be established in a selected stream using parameters like pH, Temperature and Fecal Coliforms	Data from streams will be compared to data obtained on a regular basis by the PR Environmental Quality Board

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

Construction Site Stormwater Runoff Control (See Section 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.)
BMP-1 Ordinance to control runoff from construction sites	The Municipality will prepare, approve and adopt an ordinance specifically targeting runoff from construction sites impacting the stormwater sewer system covered by the permit.	The number of interventions and sites corrected. 100% inspection rate city-wide.
BMP-2 Construction Sites Annual Inventory	Then Municipality is required to develop an inventory of all public and private construction projects. The local government propose the use of the MS4Web Permit Manager to create and maintain the inventory identifying all construction sites. The tool helps the local managers to update the information as needed. All documents associated with the projects will be added in PDF format during the inspections and will be ready available to the inspectors.	The number of projects identified and certified ion compliance with the permit.
BMP-3 Development of SOPs for Construction Permits.	The Municipality propose the development of a Construction SOP aimed to provide developers with new means to address regulation requirement and for inspectors to identify deficiencies during inspections.	Number of Projects city-wide visited and brought into compliance with local ordinance and USEPA regulations.
BMP-4 BMPs during construction Poster	The Municipality will prepare and distribute a poster aimed to contractors and construction projects with BMPs specifically design to reduce impacts to the stormwater runoff from construction activities.	A 100% coverage of active and permitted construction projects city-wide.

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

Post-Construction Stormwater Management in New Development and Redevelopment (See Section 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.)
BMP-1 Ordinance to control runoff pollution from post-construction projects	The Municipality will prepare, approve and adopt an ordinance specifically targeting runoff from post-construction projects impacting the stormwater sewer system covered by the permit.	The number of interventions and sites corrected. 100% inspection rate city-wide.
BMP-2 Standard Operating Procedures for Post-Construction Projects	The Municipality of Corozal propose to develop procedures to avoid runoff impacts to nearby surface waterbodies from stormwater controls located on completed construction projects. This will include impacts from retention ponds or non-covered areas prone to high rates of sedimentation.	Number of projects visited and certified in compliance with local ordinances and USEPA regulations.
BMP-3 Brochures	A series of brochures will be developed to be distributed among residents and managers of new and old housing and apartment projects city-wide aimed to educate them in good practices to avoid impacts to the existing stormwater infrastructure.	To distribute no less than 100 copies on a yearly basis.

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

Good Housekeeping and Pollution Prevention in Municipal Operations (See Section 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 or 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.)
BMP-1 Trainings for Municipal Employees	The Municipality will provide trainings on BMPs for mechanics, green-areas workers, painters, electricians, and clerical employees on how to address simple issues identified in the daily tasks of Municipal Operations. The trainings will cover oil, paint and fuel spills, emergency response, good housekeeping, material storage, and record keeping.	The Municipality will provide their employees with two (2) workshops/trainings every year addressing BMPs and their responsibility under the USEPA-NPDES Permit.
BMP-2 SOPs for Municipal Operations	The Municipality will develop and implement the required Standard Operation Procedures for all the operations and maintenance activities conducted daily at Municipal Public Works. The SOPs will cover all activities that may have an impact on the NPDES-MS4 permit.	Number of inspections completed and certified in compliance with local ordinances and USEPA regulations.
BMP-3 SOPs for Municipal Facilities	The Municipality will develop and implement the required SOP for the operation of municipal facilities including parks and open space maintenance, sidewalks, streets and roads; and auto yards.	Number of inspections completed and certified in compliance with local ordinances and USEPA regulations.
BMP-4 Webinars on Water Quality BMPs	The Municipality propose offering a webinar to municipal employees on simple BMPs designed to protect their surface water resources.	The number of participants and efforts developed by the employees after the webinar.

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: Hon. Sergio Luis Torres Torres

Title: Mayor Date: _____



Corozal, Wards and Bordering Cities

- Legend**
- Corozal
 - Municipalities
 - Wards

Projection: Lambert
 Coordinate System: NAD83 PR StatePlane



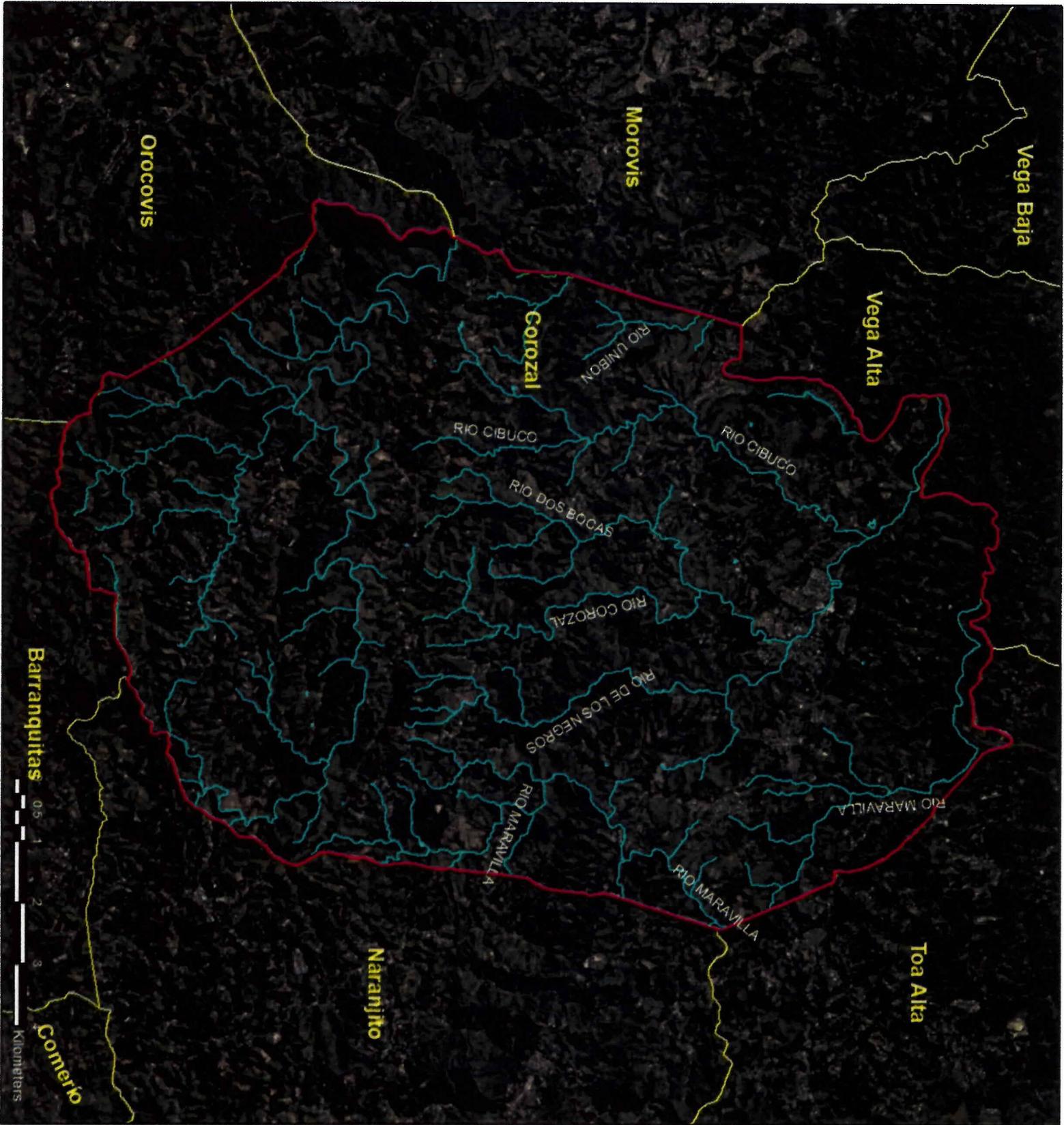
Source: JP
 1:80,000



Puerto Rico



2016



Corozal, Hydrography

Legend

- Corozal
- Hydrography
- Municipalities

Projection: Lambert
 Coordinate System: NAD83 PR StatePlane



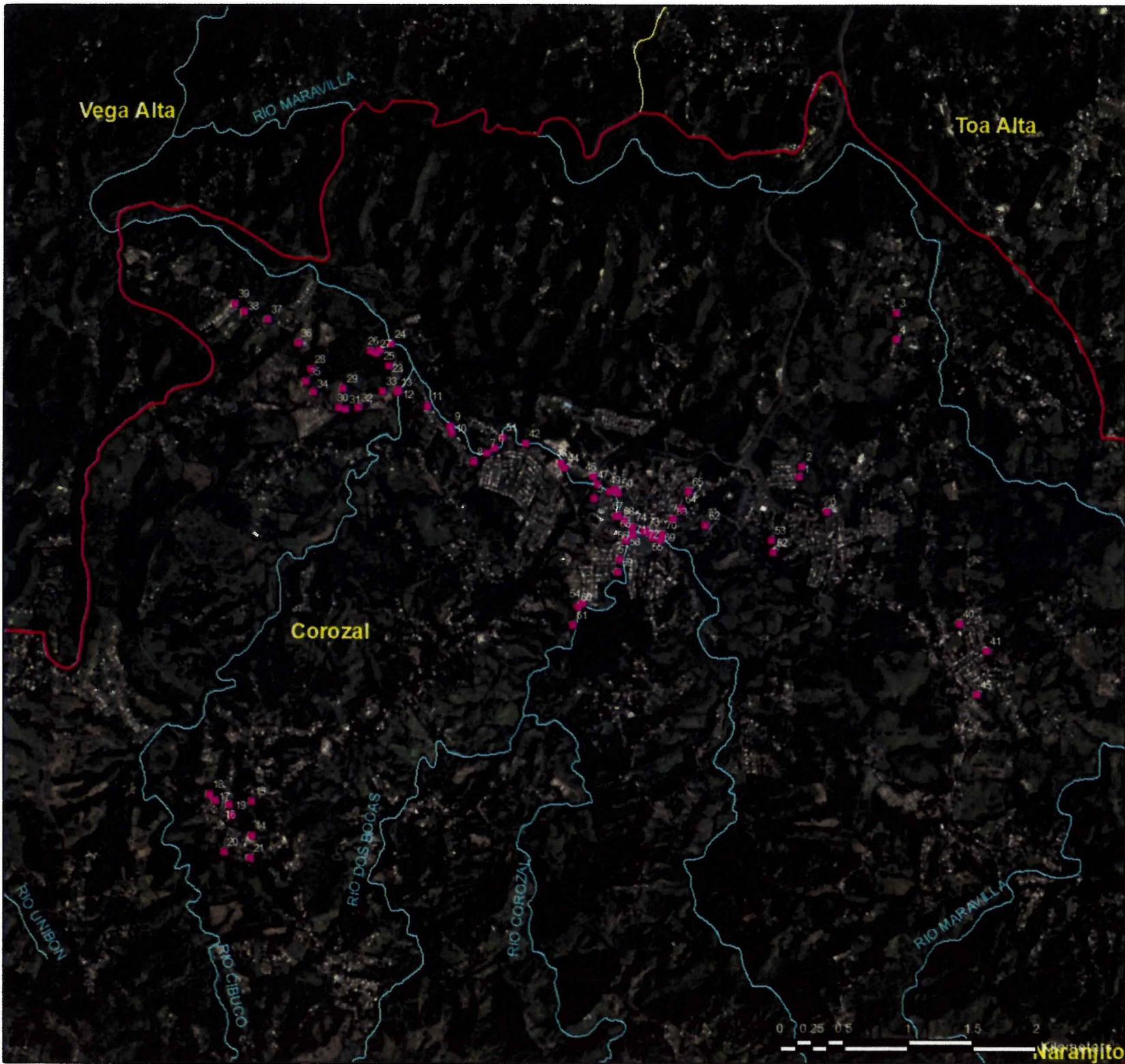
Source: JP
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Puerto Rico



2016



Corozal, MS4Web Outfalls

Legend

- MS4Web Outfalls
- Corozal
- Municipalities
- Main Rivers

Projection: Lambert
 Coordinate System: NAD83 PR StatePlane



Source: JP, Corozal MS4Web
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Puerto Rico



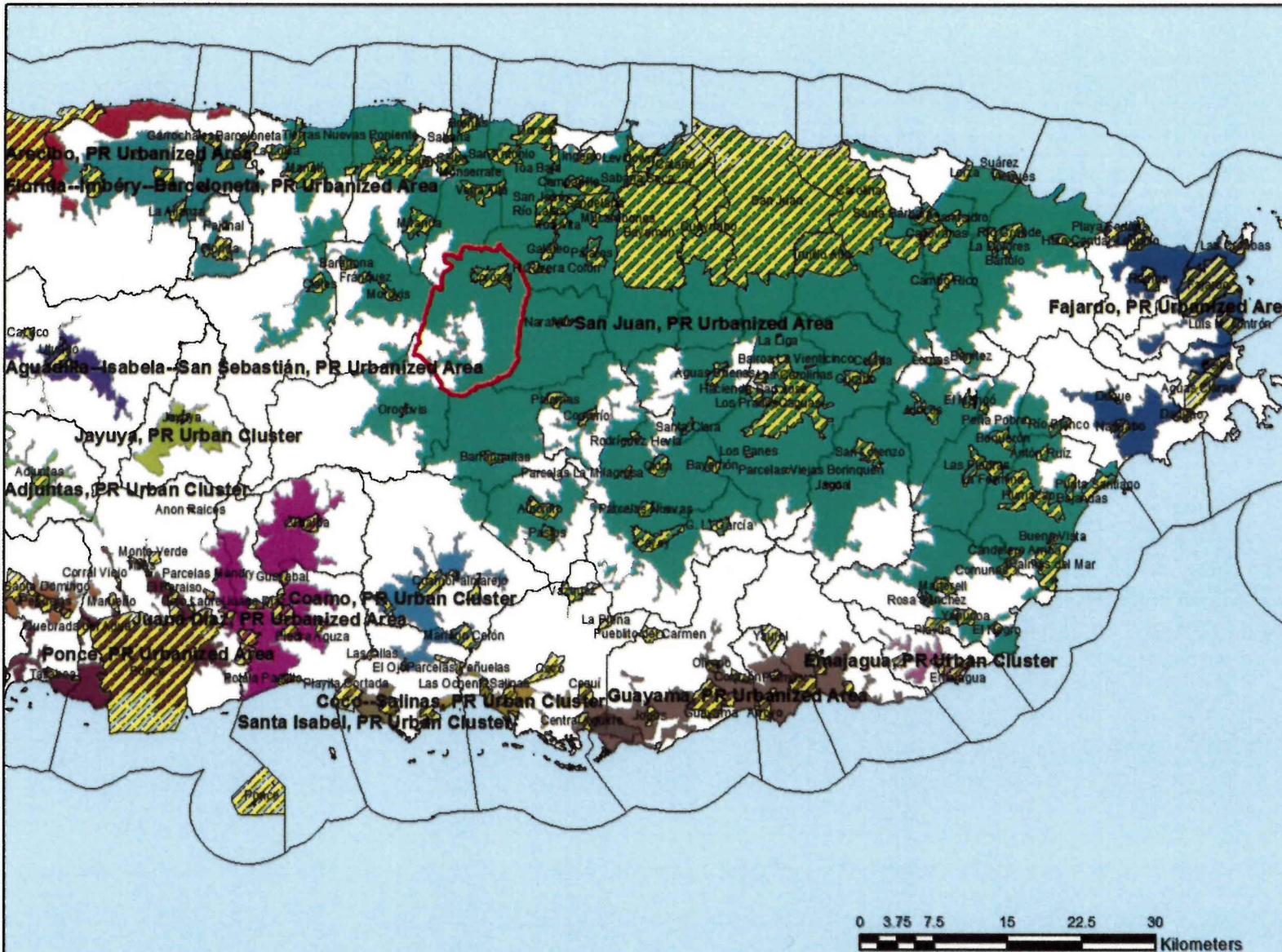
2016



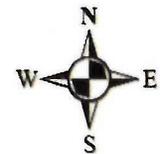
Varamjito



Corozal, PR Census Urbanized Area



Projection: Lambert
Coordinate System: NAD83 PR StatePlane



Source: JP, Census
1:600,000



Puerto Rico

Legend

Corozal	Adjuntas, PR	Coco-Salinas, PR	Guayama, PR	Mayagüez, PR	Santa Isabel, PR
Corozal	Aguadilla-Isabela-Sebastián, PR	Emajagua, PR	Jayuya, PR	Ponce, PR	Vieques (Vieques Municipio), PR
Urban Zones	Arcibo, PR	Fajardo, PR	Juana Díaz, PR	San Germán-Cabo Rojo-Sabana Grande, PR	Yauco, PR
Urban Zones	Coamo, PR	Florida-Imbéry-Barceloneta, PR	Maricao, PR	San Juan, PR	
PR Urbanized Areas					

