



U.S. Department of Housing and Urban Development

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Washington, DC 20410
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Environmental Review for Activity/Project that is Categorically Excluded Subject to Section 58.5

Pursuant to 24 CFR 58.35(a)

Project Information

Project Name: PR-ESP-00144 Poetas Catering Corp

Responsible Entity: Puerto Rico Department of Housing

Grant Recipient: Department of Economic Development and Commerce (DEDC)

State/Local Identifier: Puerto Rico / Juana Díaz, PR

Preparer: Patricia Carmenatty, Environmental Specialist
Behar Ybarra & Associates LLC
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787-783-0290

Certifying Officer Name and Title: Permit and Environmental Compliance Officers:

Aldo A. Rivera Vazquez, PE - Director, Permits and Environmental Compliance Division

Angel G. López Guzmán - Deputy Director, Permits and Environmental Compliance Division

Maria T. Torres-Bregón - Permits and Environmental Compliance Manager

Permits and Environmental Compliance Specialist: Sally Z. Acevedo-Cosme, Limary Vélez Marrero, Ivelisse Lorenzo Torres, Mónica Machuca Rios, Janette I. Cambrelen, Santa Ramírez Lebrón, Abdul Feliciano Plaza, Pedro de León Rodriguez, Javier Mercado Barrera, Priscilla Toro Rivera

Consultant (if applicable): Behar Ybarra & Associates LLC

Direct Comments to: Puerto Rico Department of Housing at
comentariosambiental@vivienda.pr.gov

Project Location: 19 Calle Degetau, Juana Diaz PR, 00795
Coordinates: 18.053913, -66.507057
Parcel cadastral: 366-029-127-13-001

Description of the Proposed Project [24 CFR 50.21 & 58.32]:

The subject property is a commercial building located in Juana Diaz, PR serving as a restaurant. The project is located at 19 Calle Degetau, Juana Diaz PR, 00795, Latitude: 18.053913, Longitude: -66.507057. A Site Map is included in Figure 1 in Appendix 1, illustrating the location of the building. The area is characterized by being urban, near family residences and commercial buildings. The nearest road with access to the building is PR-149.

A field visit was conducted on March 19, 2025, to document existing conditions of the project site. The Field Visit Report is included in Appendix 2. The project scope includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) on a lateral wall, with all improvements limited to the roof, floors, and walls of the existing structure. The proposed system includes 48 Solar Panels (415 Watts) and 1 Fortress battery, total capacity 18.5kWh, part of the equipment will be privately financed by the applicant. The system will be interconnected with the LUMA Energy distribution network under the Net Metering Program. The proposed project Scope of Work quote is included in Appendix 3.

Level of Environmental Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5: 58.35(a) [3(iii)]. In the case of non-residential structures, including commercial, industrial, and public buildings: (A) The facilities and improvements are in place and will not be changed in size or capacity by more than 20 percent; and (B) The activity does not involve a change in land use, such as from non-residential to residential, commercial to industrial, or from one industrial use to another.

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DE-72-0001	Community Development Block Grant (CDBG-DR): Electrical Power Reliability and Resilience Program (ER2) (Energy Support Incentive Program 2.0 Set-Aside)	Energy Support Incentive Program 2.0 Set-Aside - \$30,000,000 set aside from ER2 Total – \$1,316,406,180.00.

Estimated Total HUD Funded Amount: \$32,868.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$54,780.00

Privately funded by the applicant: \$21,912.00

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No ☐ ☒	The project site is not located within 2,500 ft of a civil airport or 15,000 ft of a military airport. The site is located 23,973 feet from the nearest civil airport, Mercedita International Airport in Ponce and 220,259 feet from the nearest military airport, Luis Muñoz Marín International Airport in San Juan. This topic is in compliance with HUD's Airport Hazard Regulations without further evaluation. Refer to Airports Map Zone, Figure 2 included in Appendix 1.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No ☐ ☒	This project is not located in a CBRS Unit. The project is located 24,164 feet northwest of the nearest Coastal Barrier Resource System, PR-52. Therefore, this project has no potential to impact on a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. Refer to Coastal Barrier Resource System Map, Figure 3 included in Appendix 1.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No ☐ ☒	As per FEMA's FIRM Panel 72000C1670J, effective November 18, 2009, this project is located within Zone X. The project does not require flood insurance or is excepted from flood insurance. The project is in compliance with the Flood Insurance section without further evaluation.

		Refer to Flood Insurance Rate Map, Figure 4 included in Appendix 1.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No ☐ ☒	The project is not located in a nonattainment municipality of Puerto Rico (Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, Toa Baja). The structure located in the Municipio of Juana Diaz. This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) on a lateral wall. The project activities do not create new sources of air pollution. As described, the project does not involve new construction or a change in land use to facilitate the development of public, commercial, or industrial facilities, nor does it involve five or more dwelling units. Accordingly, under HUD's environmental review procedures, the project is presumed to result in emissions below de minimis levels and is considered compliant with the Clean Air Act (CAA). The project is located 73,970 feet from the nearest Non-attainment area. The proposed project activities will not create new air emission generator sources. Furthermore, under Puerto Rico's air quality regulations, the project meets the exemption criteria outlined in Rule 206 of the RCAP (1995), Regulation No. 5300, and is therefore in compliance with the Clean Air Act and all applicable federal, state, and local air quality standards. The installation and operation of this project will have no impact and is in compliance with the Clean Air Act without further evaluation. See attached published list of Puerto Rico Nonattainment/Maintenance Status for each country by year for all criteria pollutants in Appendix 4. Refer to Clean Air Map, Figure 5 included in Appendix 1.

Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No ☐ ☒	The project is located 18,953 feet from the nearest Coastal Zone Management Area and does not affect a Coastal Zone as defined in the state Coastal Management Plan. The project is in compliance with the Coastal Zone Management Act. Refer to CZMA map, Figure 6 included in Appendix 1.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No ☒ ☐	This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) on a lateral wall. The project site was evaluated for potential contamination by conducting a field inspection on March 19, 2025, to identify any onsite hazards including, but not limited to, soil staining, above ground storage tanks, signs of underground storage tanks, odors, hazardous debris, potential contamination regarding lead-based paint or asbestos, etc. The site inspection did not identify any onsite hazards. In addition, a desktop review of USEPA databases, NEPAassist, and other sources was conducted to determine if the project site was located near dump sites, junk yards, landfills, hazardous waste sites, or industrial sites, including USEPA National Priorities List Sites (Superfund sites), CERCLA or state equivalent sites, RCRA Corrective Action sites with release(s) or suspected release(s) requiring clean-up action and/or further investigation. The desktop review finds eleven sites within 3,000 feet of the project area. Nine sites are registered as RCRA facilities, two as NPDES facilities, two TRIS facilities and two as AIR pollution facilities. FORT ALLEN TRAINING SITE facility is listed as Significant/Category I noncompliant under the Clean Water Act for failure to submit the quarterly DMR reports. Even though this is an administrative noncompliance, not necessarily indicating contamination in this facility, an analysis was conducted to confirm whether any potential

		contamination resulting from stormwater effluents does not have an adverse effect on the safety and health of the end users of the project site. First, according to the Facility Report, the non-compliant site is associated with Coastal Watersheds West and East of Rio Canas mouth. This river is 15,721 feet from the project site and 17,532 feet from the non-compliant site. However, the nearby wetland to the project site is identified as Juana Diaz Canal (see Wetlands Map, Figure 14 included in Appendix 1). These systems do not intersect or connect in any points, and Juana Diaz Canal is not listed in the 2024 Puerto Rico 305(b)/303(d) Integrated Report (Refer to Appendix 5). Based on the USGS elevation, the facility with the noncompliance is located at 157.20245283559643 ft of elevation, and the project site location for project PR-ESP-00144 is at 198.46736611801586 according to the USGS EPQS included in Appendix 5. Even though the non-complaint site is at the lowest elevation, potential contamination that may be associated with the reported noncompliance from this facility will not have the potential or likelihood of reaching the project site nor affect the health and safety of the end users of the project, since the wetlands associated with these places are not interconnected at any point. The sites within 3,000 feet of the project area are: • AUTOTEK CARIBE, REGISTRY ID: 110006433797, 147 TOMAS CARRION MADURO AVE – RCRA – INACTIVE, 630 feet • CARIBE GENERAL ELECTRIC PRODUCT JUANA DI, REGISTRY ID: 110000907957, PR-149 KM 67 – RCRA – ACTIVE, 2,107 feet • FORT ALLEN TRAINING SITE, REGISTRY ID: 110042074965, PR-149 KM 73.3 – RCRA – ACTIVE -
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		NPDES – VIOLATION IDENTIFIED 2,503 feet • JUANA DIAZ, REGISTRY ID: 110064646030, CALLE DEGETAU #35 – NPDES – PERMIT EXPIRED, 373 feet • JUANA DIAZ STP, REGISTRY ID: 110007804215, PR-149 KM 67.3 – RCRA – INACTIVE, 2,136 feet • PRODUCTOS CIRCUITOS DE P R INCORPORATED, REGISTRY ID: 110000602768, PR-149 KM 66.7 – RCRA – ACTIVE, 1,906 feet • PRODUCTOS DE AGREGADOS - CANTERA NARANJO, REGISTRY ID: 110010361688, PR 551 KM 2.7 BO TIJERILLAS – AIR – OPERATING, 2,349 feet • QUALITY CLEANERS, REGISTRY ID: 110014362153, DR. VEVE STREET #15 – AIR – OPERATING - RCRA – INACTIVE, 624 feet • R4 ENTERPRISES CORP, REGISTRY ID: 110012243811, STATE RD 1 KM 113.6 – RCRA – INACTIVE, 2,087 feet • SHELL CO PR LTD SS 0736 GARAGE MARTINEZ, REGISTRY ID: 110007818763, BARBOSA ST – RCRA – INACTIVE, 833 feet • SUPER FARMACIA JUANA DIAZ INC, REGISTRY ID: 110071140132, 27 CALLE TOMAS CARRION MADURO – RCRA – ACTIVE, 630 feet Refer to the ECHO Reports included in Appendix 5. The lead-based paint review is subject to the Lead Safe Housing Rule (LSHR) under 24 CFR Part 35, the EPA's Renovation, Repair and Painting (RRP) Rule under 40 CFR Part 745 Subpart E, and Puerto Rico DNER Regulation 9098. A lead-based paint inspection and/or risk assessment is not required if the building was constructed after
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		January 1, 1978. The subject property was built in circa 1930; therefore, it is required to perform a screen for lead-based paint prior to starting the work. • The work must be performed by RRP Certified Renovation Firm. • At least one RRP-Certified Renovator must be at the job site or available when work is being done. • Workers at the job site must receive on-the-job training from the Certified Renovator. • Lead Safe Work Practices are recommended if paint disturbance is "di minimis". • Lead Safe Work Practices are required if paint disturbance exceeds "di minimis" but not EPA's minor repair and maintenance threshold. • Property Risk Assessment and abatement of all lead-based paint hazards are required prior to commencing work if paint disturbance is significant. The proposed activities are minor in scope and involve limited surface penetration (e.g., drilling to mount equipment). They do not include demolition or renovation activities that would disturb significant quantities of ACM. The systems being installed have been consistently evaluated as non-invasive and do not trigger permitting thresholds under NESHAP. While minimal dust or particulate emissions may result from surface drilling, these emissions are expected to remain well below de minimis thresholds and do not result in the release of regulated asbestos fibers. Additionally, the program does not include new construction or land conversion. Under Puerto Rico's air quality regulations, these activities qualify for permitting exemptions under Rule 206 of the Regulation
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		for the Control of Atmospheric Pollution (RCAP), Regulation No. 5300, confirming compliance with the Clean Air Act and all applicable federal, state, and local air quality standards. The Energy Support Incentive Program 2.0 – Set-Aside Program, funded through CDBG-DR, does not involve construction activities that would require a building or use permit. According to Planning Board Joint Regulation 9473, approved on June 16, 2023, Section 9.4.1.3.a.1 states: “Photovoltaic solar installations that are installed on the roofs of structures and whose capacity is up to one megawatt do not require a construction or use permit. Nor will a building permit be required for systems up to one hundred kilowatts above ground.” As such, the proposed activities do not trigger construction permit requirements and do not involve regulated asbestos disturbance. No renovation or demolition activities that would exceed ACM thresholds are included in the program. On January 11, 2024, HUD issued Notice CPD-23-103, Departmental Policy for Addressing Radon in the Environmental Review Process, which requires the Responsible Entity (RE) to consider radon as part of the site contamination analysis for projects subject to HUD’s contamination regulations at 24 CFR 58.5(i), unless the project qualifies for an exemption. According to the notice, radon must be addressed in environmental reviews for projects involving structures that are or will be occupied for at least four (4) hours per day. The eligible business activities under the Energy Support Incentive Program 2.0 – Set-Aside Program are expected to meet this occupancy threshold and thus would typically require radon consideration as part of the environmental review. However, there is currently no large-scale dataset available for Puerto Rico that meets HUD’s standards for determining
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		radon hazard levels. On March 6, 2024, the Puerto Rico Department of Housing (PRDOH) formally consulted with HUD to document the absence of reliable scientific data and to explain that radon testing in Puerto Rico would be impractical and infeasible. This determination was based on prior research efforts that lacked adequate laboratory support, making it difficult to obtain accurate or consistent results. Additionally, there is a limited number of trained radon testing professionals on the island, which presents another barrier to compliance with HUD's testing requirements. In response, on May 15, 2024, HUD requested that PRDOH consult with relevant agencies—including the Environmental Protection Agency (EPA), United States Geological Survey (USGS), University of Puerto Rico – Mayagüez Campus, and the Puerto Rico Department of Natural and Environmental Resources (DNER)—to further document the lack of scientific data, as outlined in Section III.C. of Notice CPD-23-103. On August 20, 2024, PRDOH conducted formal consultations with the above-mentioned agencies and submitted information requests to state and federal entities. Responses were received from the following: United States Geological Survey (USGS); Centers for Disease Control and Prevention (CDC); Puerto Rico Department of Health; United States Environmental Protection Agency (EPA). All responding agencies confirmed the absence of reliable, large-scale radon data for Puerto Rico and acknowledged the technical and logistical challenges associated with radon testing on the island. Based on these consultations and findings, radon testing is deemed infeasible and impracticable for the Energy Support Incentive Program 2.0 – Set-Aside Program. Therefore, no further consideration or evaluation of radon is required as part of the environmental review, in accordance with HUD Notice CPD-23-
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		103. Supporting documentation is provided in Appendix 5. In conclusion, after reviewing the program in the context of the site contamination analysis requirements under 24 CFR 58.5(i), PRDOH has determined that radon testing is impractical and infeasible, and no further evaluation is required for radon. The project is in compliance with Contamination and Toxic Substances requirements. Refer to Contamination and Toxic Substances, Figure 7 included in Appendix 1.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes No ☐ ☒	After reviewing data from the United States Fish and Wildlife Service (USFWS) Information and Planning Consultation (IPaC), the Puerto Rican boa (<i>Chilabothrus inornatus</i>) could be found in the project area. The scope of work includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) on a lateral wall. Since the work to be carried out is limited to the roof and wall of the structure, it does not involve any type of ground disturbance or removal of vegetation. The nature of the project, scope of work, information available, a careful analysis of the IPaC, the Caribbean Dkey in the US Fish and Wildlife Service's online IPaC application, and the observations during the field visit on March 19, 2025, were used to evaluate the potential impacts to federally listed species from this project. Based on the answers provided, a consistency letter was obtained for the Puerto Rican boa which determined that the proposed actions for this project would have "No Effect" (NE) for this species. The nearest Critical Habitat is 55,578 feet from the project site. USFWS "No Effect" Memo was submitted on May 8, 2025, and the Agency response was received on May 13, 2025. The project is in compliance with the Endangered Species Act of 1973.

		If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask them to relocate the Boa. As established by the USFWS Puerto Rican Boa Conservation Measures Guideline. https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf Refer to Threatened and Endangered Species Map, Figure 8 included in Appendix 1. See USFWS “No Effect” Memo and supporting documentation in Appendix 6.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No ☐ ☒	This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building’s roof and appurtenant storage system (batteries) on a lateral wall and will not result in increased densities, conversion to residential uses, or making a vacant building habitable. The project itself is not the development of a hazardous facility, nor will the project increase residential densities or result in land conversion. The project is in compliance with HUD Explosive and Flammable Hazards.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No ☐ ☒	This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building’s roof and appurtenant storage system (batteries) on a lateral wall. This project does not include any activities that could potentially convert agricultural land to non-agricultural use. The project is in a designated area as not prime farmland. The project is in compliance with the Farmland Protection Policy Act. Refer to Farmland Protection Map, Figure 9 included in Appendix 1.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No ☐ ☒	PFIRMs in Puerto Rico was only developed for certain sections of the municipalities of Carolina, Canovanas, Loiza, San Juan, Trujillo Alto and Rio Grande. The proposed

		project is located in the municipality of Juana Diaz. Therefore, PFIRM information is not available for the area and considered in the review. As per the FEMA Advisory Based Flood Elevation Maps (ABFE), the project site is located within Zone X (area of minimal flood hazard). As the project site is not located within the FEMA-designated Special Flood Hazard Areas for the 1 percent (100-year) or 0.2 percent (500-year) flood zones, it is not classified as being within the floodplain. The project is in compliance with the HUD Floodplain Management Regulations and the Executive Order 11988. Refer to Advisory Base Flood Elevation Map, Figure 10 and Preliminary FIRM Figure 11, included in Appendix 1.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No ☒ ☐	This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) on a lateral wall. The State Historic Preservation Office reviewed the proposed project location in accordance with 54 U.S.C. 306108 (commonly known as Section 106 of the National Historic Preservation Act) and 36 CFR Part 800: Protection of Historic Properties. Documentation with photographs and maps was subsequently submitted to SHPO (attached Appendix 7). The property is located within the Juana Diaz Traditional Urban Center and was built circa 1930. In response from PR SHPO dated September 18, 2025, SHPO concurred with a finding of “<i>No Adverse Effect</i>” upon historic properties, conditioned that, when installed, the PVS/BSS shall remain not visible or will be minimally visible from the street to be consistent with the related Secretary of the Interior's Standards, Guidelines, and Technical Briefs. Therefore, this activity is in compliance with the National Historic Preservation Act.

		Refer to Historic Preservation Map, Figure 12 included in Appendix 1.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes No ☐ ☒	This project includes the installation of a photovoltaic (solar) panel system on the existing commercial building's roof and appurtenant storage system (batteries) on a lateral wall . The project does not include new construction for residential use or rehabilitation of an existing residential property. The site is urban developed and there will be no impact to or from the surrounding area from a noise perspective. This topic is in compliance with Noise abatement and Control without further evaluation. Refer to Noise Abatement and Control Map, Figure 13 included in Appendix 1.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No ☐ ☒	According to the USEPA's Source Water Protection, Sole Source Aquifer Protection Program, there are no sole source aquifers in Puerto Rico. Therefore, the proposed project site is not located within a sole source aquifer, nor will it directly or indirectly impact one. Therefore, the project is in compliance with the Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 C.F.R. Part 149 without further evaluation. Refer to Sole Source Aquifer Map, Figure 14 included in Appendix 1.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No ☐ ☒	The project does not involve new constructions and/or activities that may have a direct or indirect adverse impact on any on site wetlands, there are no wetlands within or in the vicinity of the project area. The closest wetland is located 1,503 feet from the Project Site. The project does not have the potential to impact wetlands. The project is in compliance with E.O. 11990. Refer to Wetlands Map, Figure 15 included in Appendix 1.
Wild and Scenic Rivers	Yes No	This project is not within proximity of the NWSRS river. The project is located 260,579

Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	☐ ☒	feet from the nearest Wild and Scenic River (De la Mina River). The project is in compliance with the Wild and Scenic Rivers Act. Refer to Wild and Scenic Rivers Map, Figure 16 included in Appendix 1.
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Field Inspection: March 19, 2025, by Egon Gonzalez and Patricia Carmenatty.

Summary of Findings and Conclusions: The proposed activity has been found to not have any adverse effects on the environment nor is there a requirement for further consultation with any agency. There is no environmental review topics addressed that result in the need for formal compliance steps or the requirement for mitigation.

Mitigation Measures and Conditions

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	The subject property was built circa 1930; therefore, it is required to perform a screen for lead-based paint prior to starting the work. • The work must be performed by RRP Certified Renovation Firm. • At least one RRP-Certified Renovator must be at the job site or available when work is being done. • Workers at the job site must receive on-the-job training from the Certified Renovator. • Lead Safe Work Practices are recommended if paint disturbance is "di minimis". • Lead Safe Work Practices are required if paint disturbance exceeds "di minimis" but not EPA's minor repair and maintenance threshold. • Property Risk Assessment and abatement of all lead-based paint hazards is required prior to commencing work if paint disturbance is significant.

Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	When installed, the PVS/BSS shall remain not visible or will be minimally visible from the street to be consistent with the related Secretary of the Interior's Standards, Guidelines, and Technical Briefs.

Determination:

- ☐ This categorically excluded activity/project converts to Exempt, per 58.34(a)(12) because there are no circumstances which require compliance with any of the federal laws and authorities cited at §58.5. **Funds may be committed and drawn down after certification of this part** for this (now) EXEMPT project; OR
- ☒ This categorically excluded activity/project cannot convert to Exempt because there are circumstances which require compliance with one or more federal laws and authorities cited at §58.5. Complete consultation/mitigation protocol requirements, **publish NOI/RROF and obtain "Authority to Use Grant Funds"** (HUD 7015.16) per Section 58.70 and 58.71 before committing or drawing down any funds; OR
- ☐ This project is now subject to a full Environmental Assessment according to Part 58 Subpart E due to extraordinary circumstances (Section 58.35(c)).

Preparer Signature: 

Date: 9/29/2025

Name/Title/Organization: Patricia Carmenatty Santiago
Environmental Specialist,
Behar Ybarra & Associates LLC

Responsible Entity Agency Official Signature:

Abdul X. Feliciano Plaza

Digitally signed by Abdul X. Feliciano Plaza
Date: 2025.10.03 09:58:37 -04'00'

Date: 10/3/2025

Name/Title: Abdul X. Feliciano Plaza, Permits and Environmental Specialist

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Appendices

List of Appendices

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1	Figures
2	Field Visit Report
3	Scope of Work Quote
4	EPA's published Summary of Nonattainment Area Population Exposure 1 Report. This is a summary of the 2010 population living in an area that is in nonattainment for at least one of the National Ambient Air Quality Standards (NAAQS). EPA's Published Status of Puerto Rico Designated Areas. This is a summary of Puerto Rico's designated areas by NAAQS and year
5	RADON - Memorandum to File and Supporting documentation, ECHO Reports, USGS EPQS, and 2024 Integrated Report
6	USFWS "No Effect" Memo and supporting documentation
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Appendix 1: Figures

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8	Threatened and Endangered Species Map
9	Farmland Protection Map
10	Advisory Base Flood Elevation Map
11	Preliminary Flood Insurance Rate Map
12	Historic Preservation Map
13	Noise Abatement and Control Map
14	Sole Source Aquifer
15	Wetlands Map
16	Wild and Scenic Rivers Map

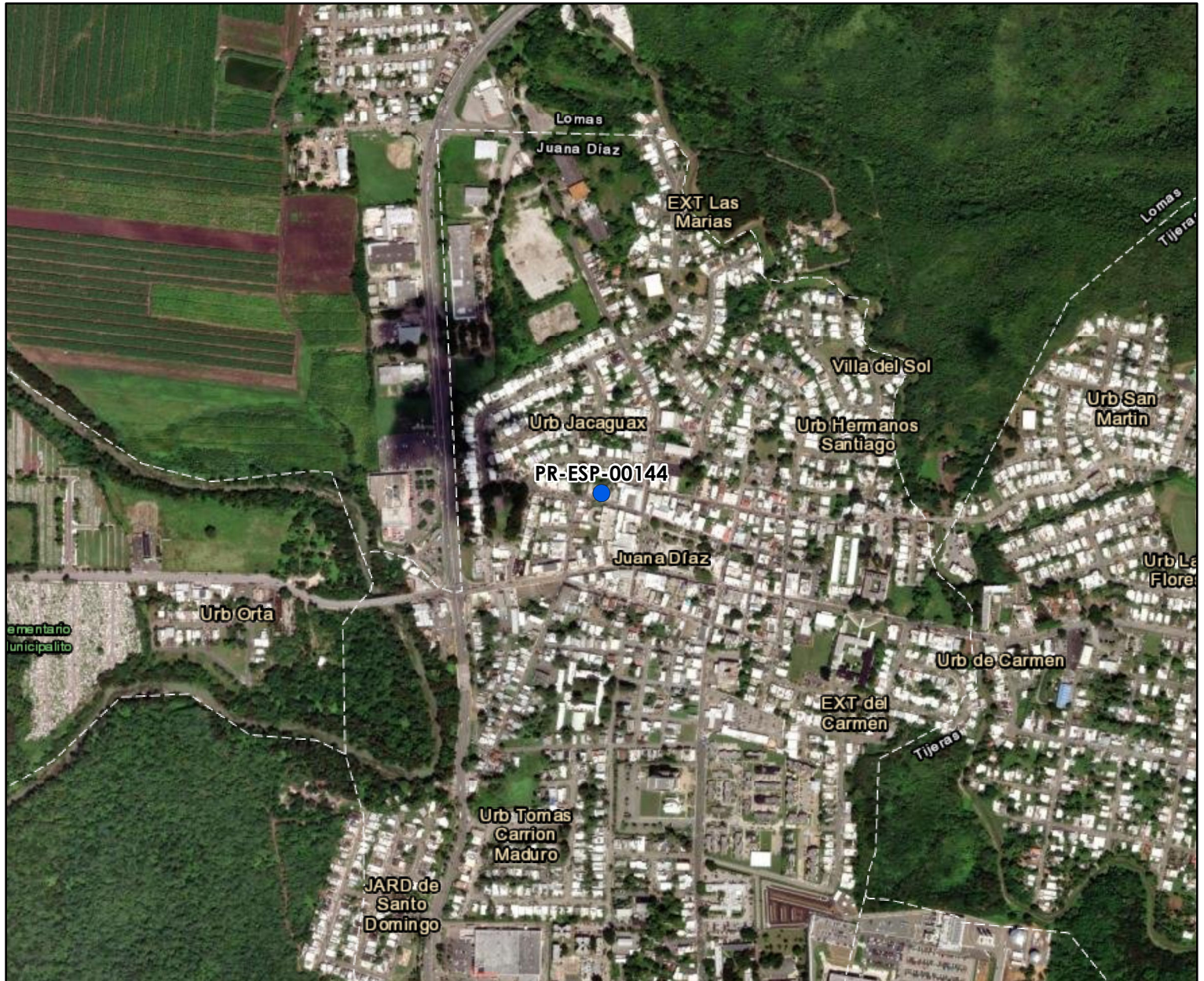
Figure 1

Location: Aerial Map

Electrical Power Reliability and Resilience Program (ER2)

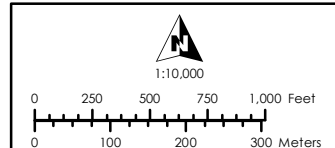
Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795

Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

● PR-ESP-00144



Service Layer Credits:
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

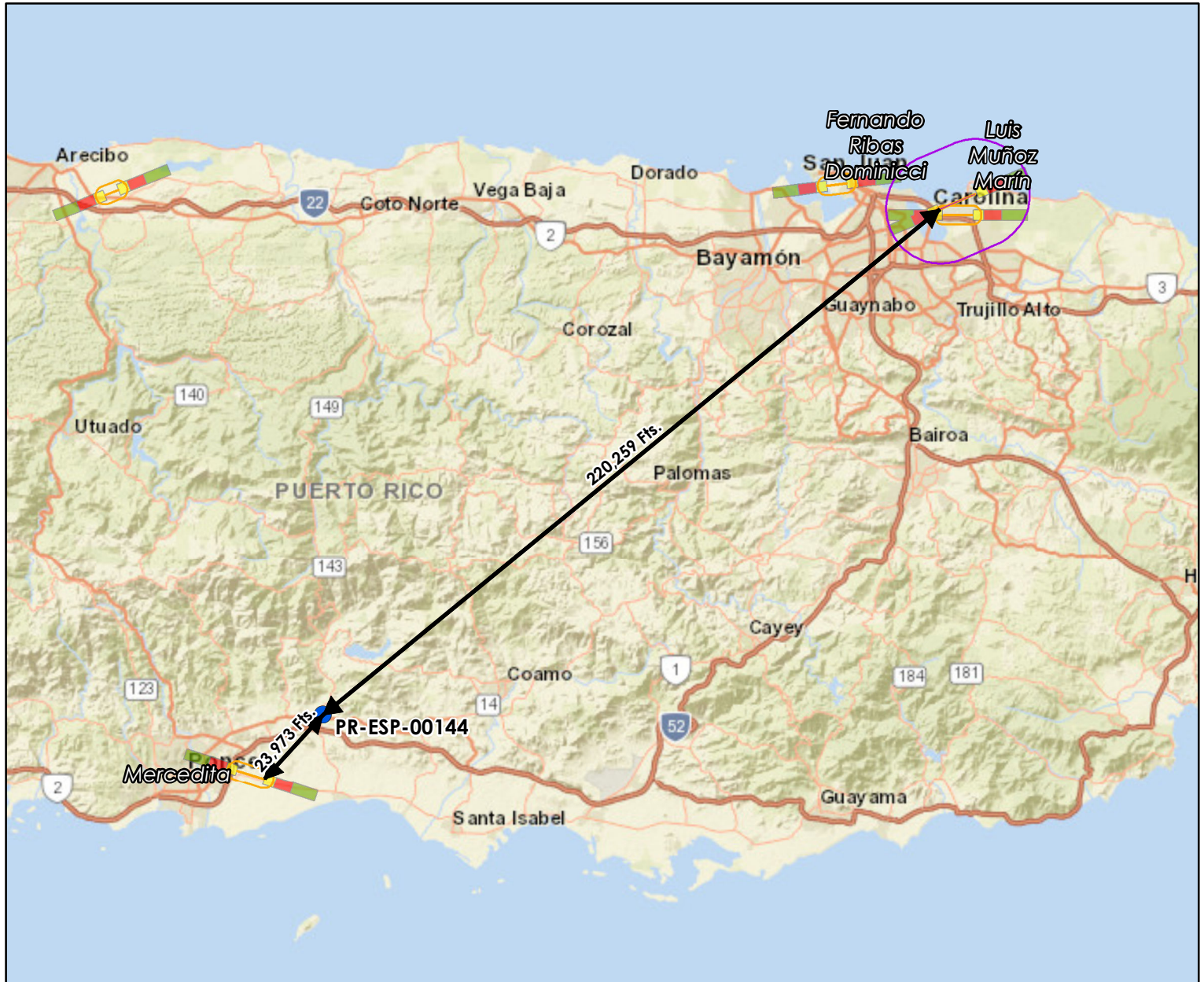
Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
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Figure 2

Airports Map

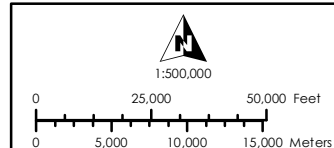
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
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Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
 - SJU Military Runaway
 - SJU Civil Runaway
 - Military Airport Buffer (15,000 Fts.)
 - Civil Airport Buffer (2,500 Fts.)
- Accident Potential Zone**
- APZ 1
 - APZ 2
 - Clear Zone



Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

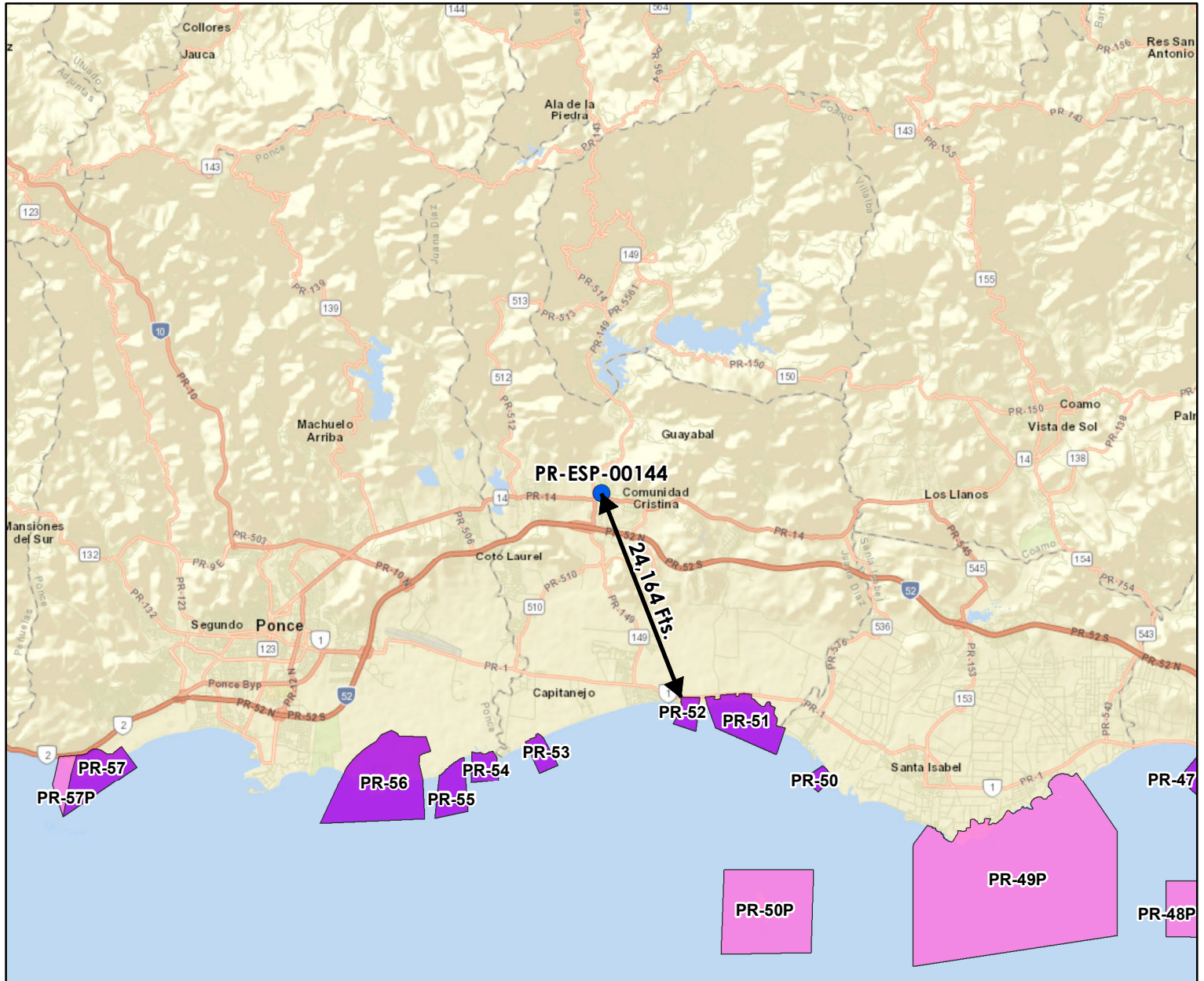
Source:
Federal Aviation Administration (FAA)
<https://adds-faa.opendata.arcgis.com/>
The Environmental Protection Agency
<https://www.epa.gov/nepa/nepassist>

Figure 3

Coastal Barrier Resource System Map

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



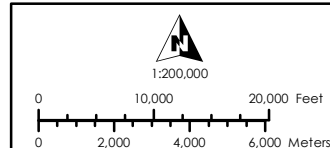
Legend:

● PR-ESP-00144

Coastal Barrier Resources System

Otherwise Protected Area

System Unit



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

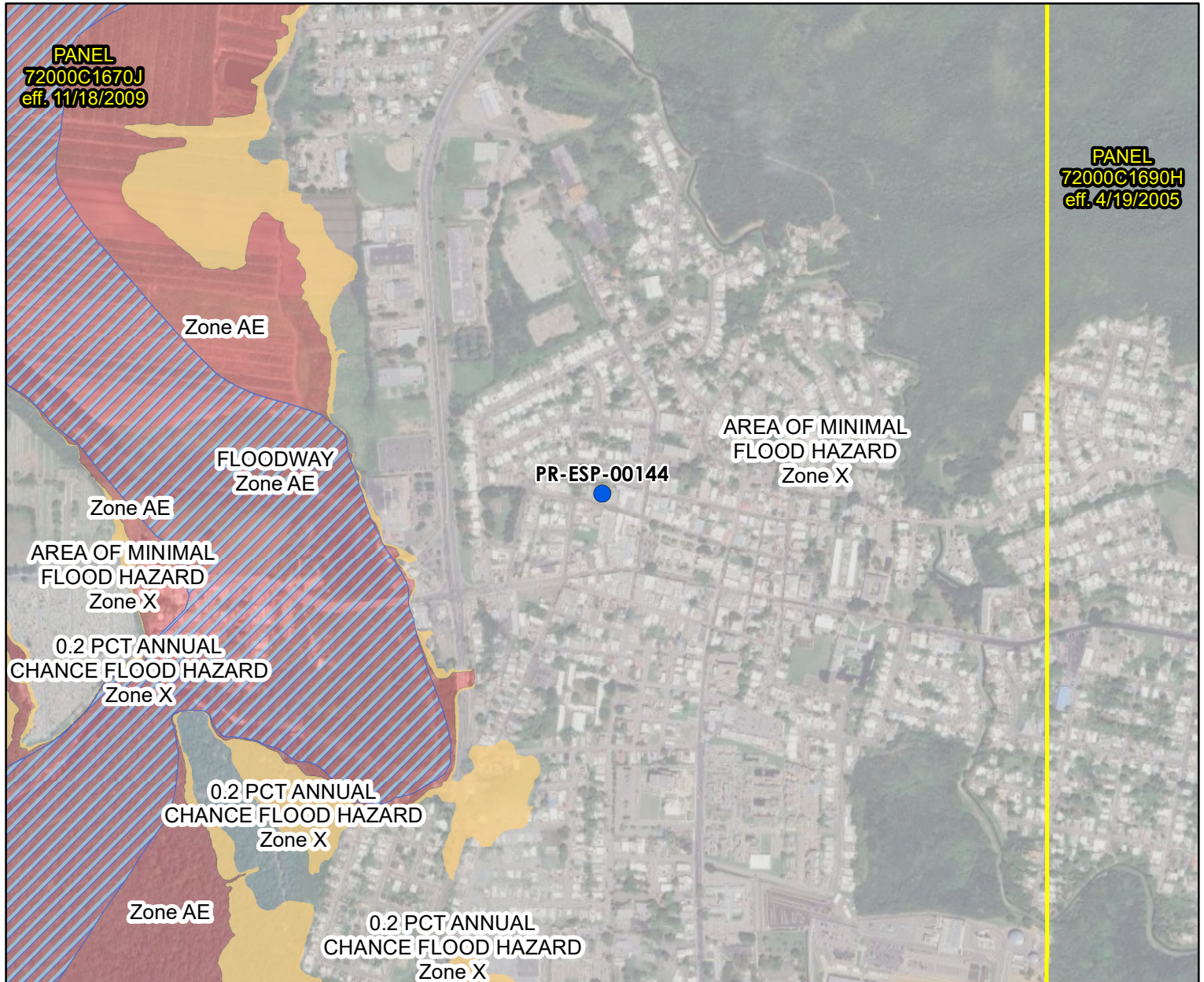
U.S. Fish and Wildlife Service (FWS)
<https://www.fws.gov/program/coastal-barrier-resources-act>

Figure 4

Flood Insurance Rate Map

Electrical Power Reliability and Resilience Program (ER2)

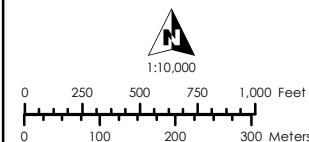
Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- FIRM Panel
- Floodway
- 0.2% Annual Chance Flood Hazard
- Zone D Area of Undetermined Flood Hazard

- Zone A
- Zone AE
- Zone AH
- Zone AO
- Zone VE
- Zone X



Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>

Figure 5

Clean Air Map

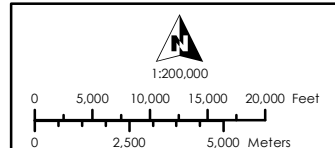
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- Clean Air Areas - SO2
- Clean Air Areas - Lead



Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
U.S. Geological Survey (USGS)
<https://pubs.er.usgs.gov>

Figure 6

Coastal Zone Management Map

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



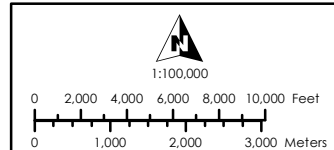
Legend:



PR-ESP-00144



Coastal Zone Management Act Boundary



Service Layer Credits:

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

NOAA Office for Coastal Management (NOAA/OCM)
<https://www.fisheries.noaa.gov/inport/item/53132>

Figure 7

Toxic and Hazardous Facilities Map

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
 19 Calle Degetau,

Juana Díaz PR 00795

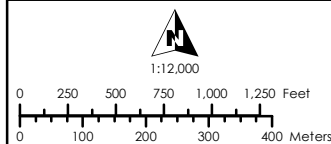
Catastro: 366-029-127-13-001

Lat: 18.053913, Lon: -66.507057



Legend:

- | | | | |
|--|---------------------|--|-----------------|
| | PR-ESP-00144 | | NPDES - Major |
| | Buffer (500 Fts.) | | RADINFO |
| | Buffer (3,000 Fts.) | | RCRA |
| | AIR | | RCRA - Active |
| | NPDES | | RCRA - Inactive |
| | | | TRI |



Service Layer Credits:
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
 EPA Facility Registry Service (FRS)
<https://www.epa.gov/frs>

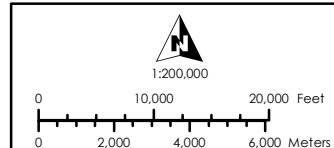
Figure 8
Threatened and Endangered Species Map
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
stro: 366-029-127-13-001
053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- Critical Habitat



Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, [c] OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

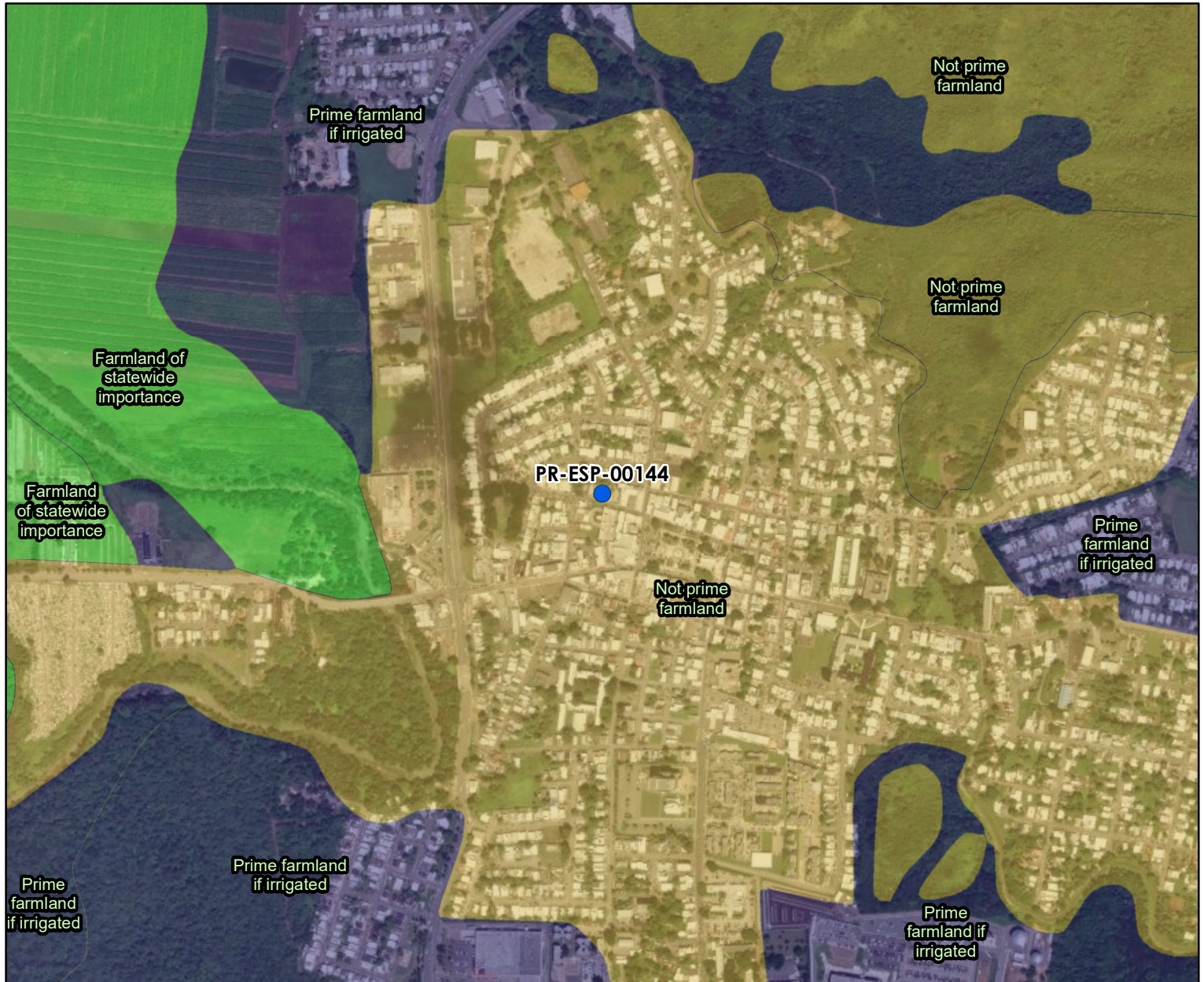
Source:
NOAA Office of Response and Restoration
<https://response.restoration.noaa.gov/>

Figure 9

Farmland Protection

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
 19 Calle Degetau,
 Juana Díaz PR 00795
 Catastro: 366-029-127-13-001
 Lat: 18.053913, Lon: -66.507057

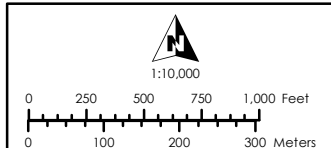


Legend:

● PR-ESP-00144

Farm Class

- Farmland of statewide importance
- Not prime farmland
- Prime farmland if irrigated



Service Layer Credits:
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

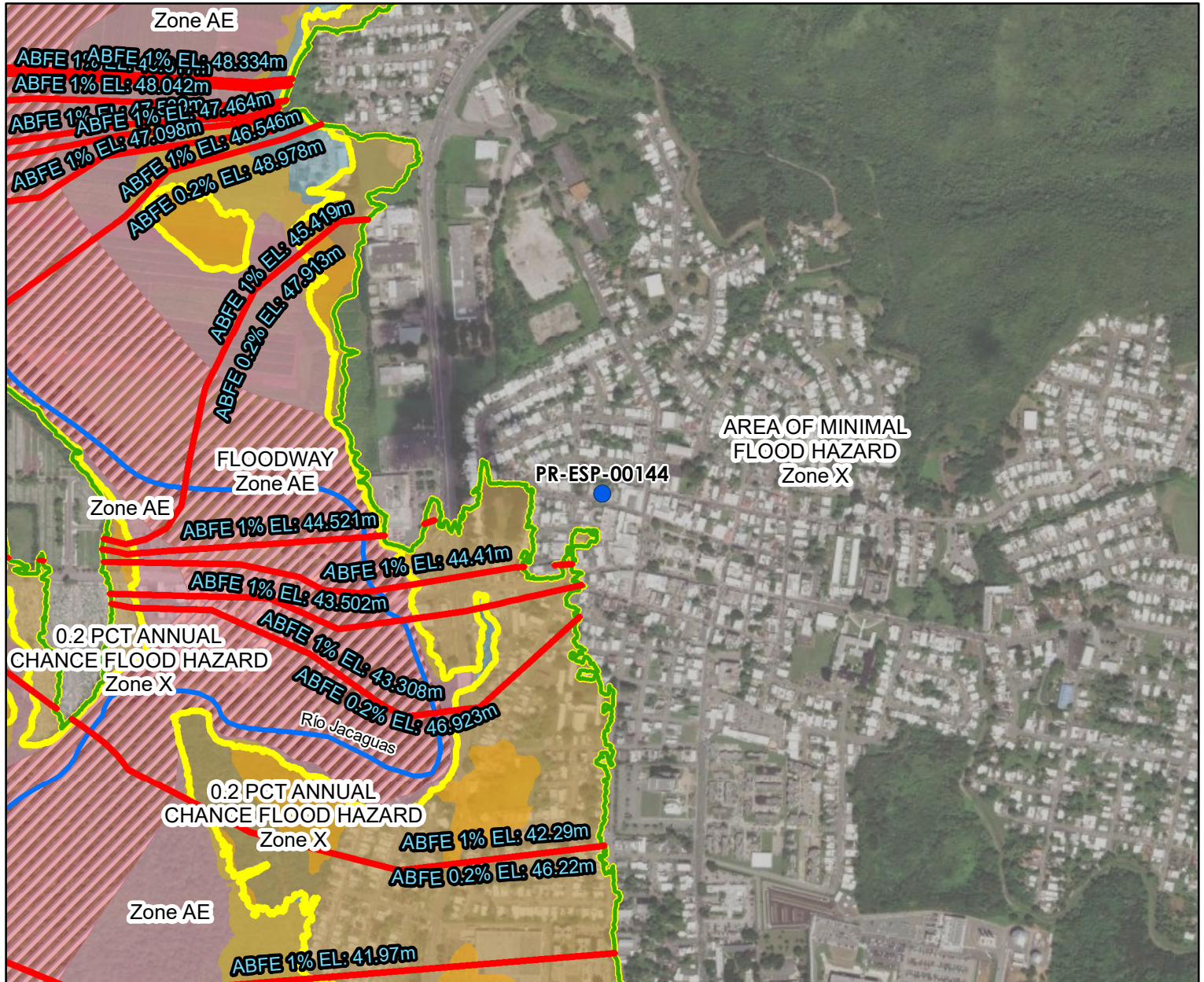
Source:
 Underground Storage Tanks (USTs)
<https://www.epa.gov/ust>

Figure 10

Advisory Base Flood Elevation Map

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057

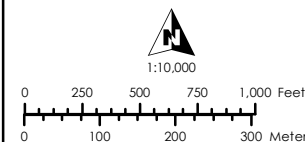


Legend:

- PR-ESP-00144
- Area Potential Effect (Building Footprint)
- CRIM-Parcel
- Advisory Base Flood Elevations (ABFE)
- 0.2 % Annual Chance Flood
- 1 % Annual Chance Flood

Flood Zone

- Zone A
- Zone AE
- Zone AO
- Zone VE
- Zone X - Area of Minimal Flood Hazard
- 0.2 % Annual Chance Flood
- Floodway



Service Layer Credits:

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

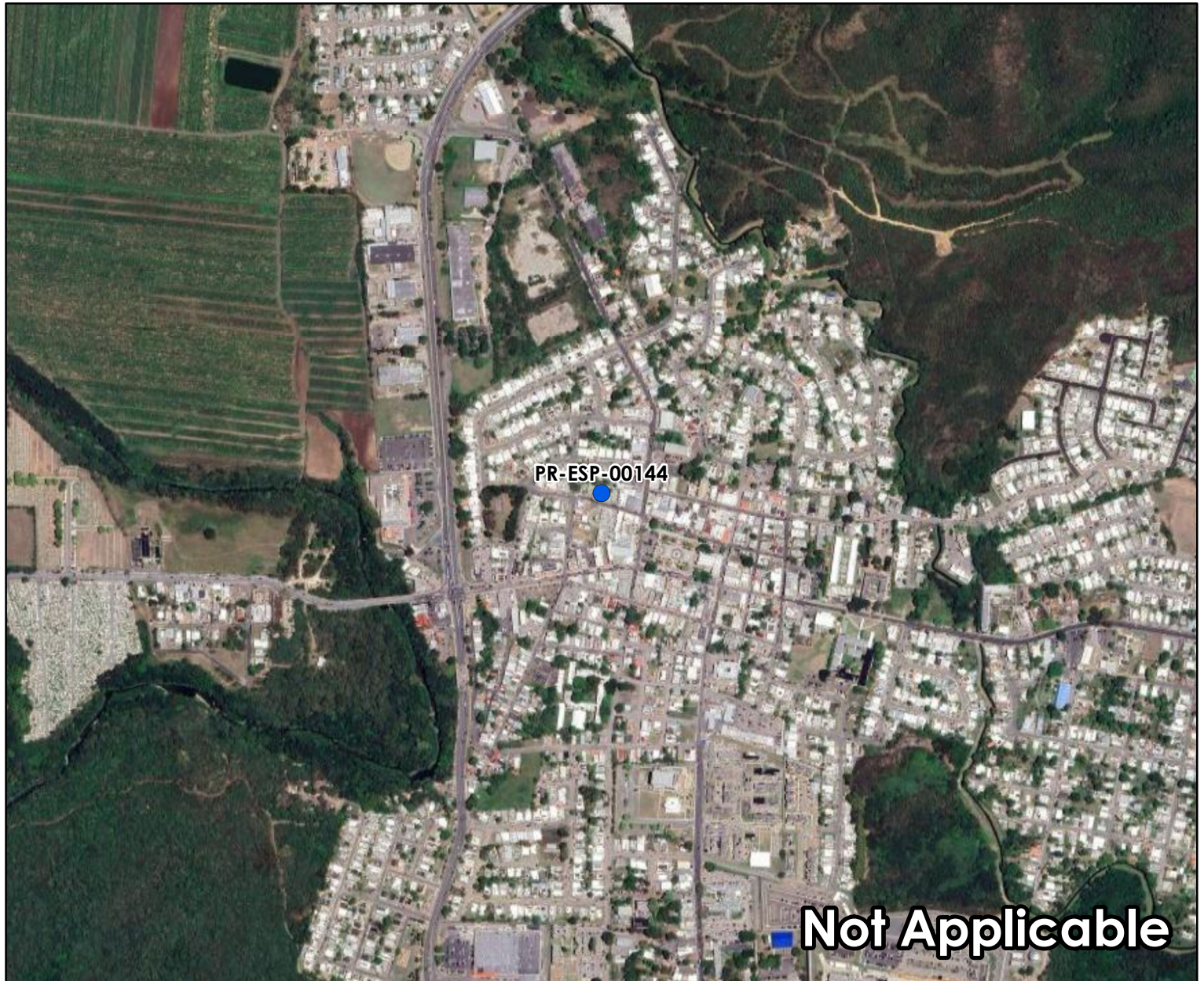
Federal Emergency Management Agency (FEMA),
<https://gis-r2-fema.hub.arcgis.com/>
Junta de Planificación de Puerto Rico (JP), <https://maps.jp.pr.gov/>
Mapas de Niveles de Inundación Base Recomendados

Figure 11

Preliminary Flood Insurance Rate Map

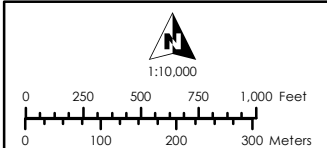
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
 19 Calle Degetau,
 Juana Díaz PR 00795
 Catastro: 366-029-127-13-001
 Lat: 18.053913, Lon: -66.507057



Legend:

- | | |
|---|--|
| ● PR-ESP-00144 | Zone A |
| Preliminary FIRM Panel | Zone AE |
| Floodway | Zone AH |
| Profile Baseline | Zone AO |
| Base Flood Elevation (m) | Zone VE |
| 0.2% Annual Chance Flood Hazard (Zone X) | Zone X |



Service Layer Credits:
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
 Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>

Figure 12

Historic Preservation Map

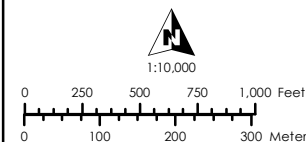
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- | | |
|--|--|
| ● PR-ESP-00144 | Historic Centers |
| Buffer (0.5 Mile) | Cultural Resource District |
| Building | Sensitive |
| Cultural Resource Structure | Archaeological Resource Zones |
| Cultural Resource Object | Historic Communities |
| Cultural Resource Site | Traditional Urban Center |



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community (NRHP)
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

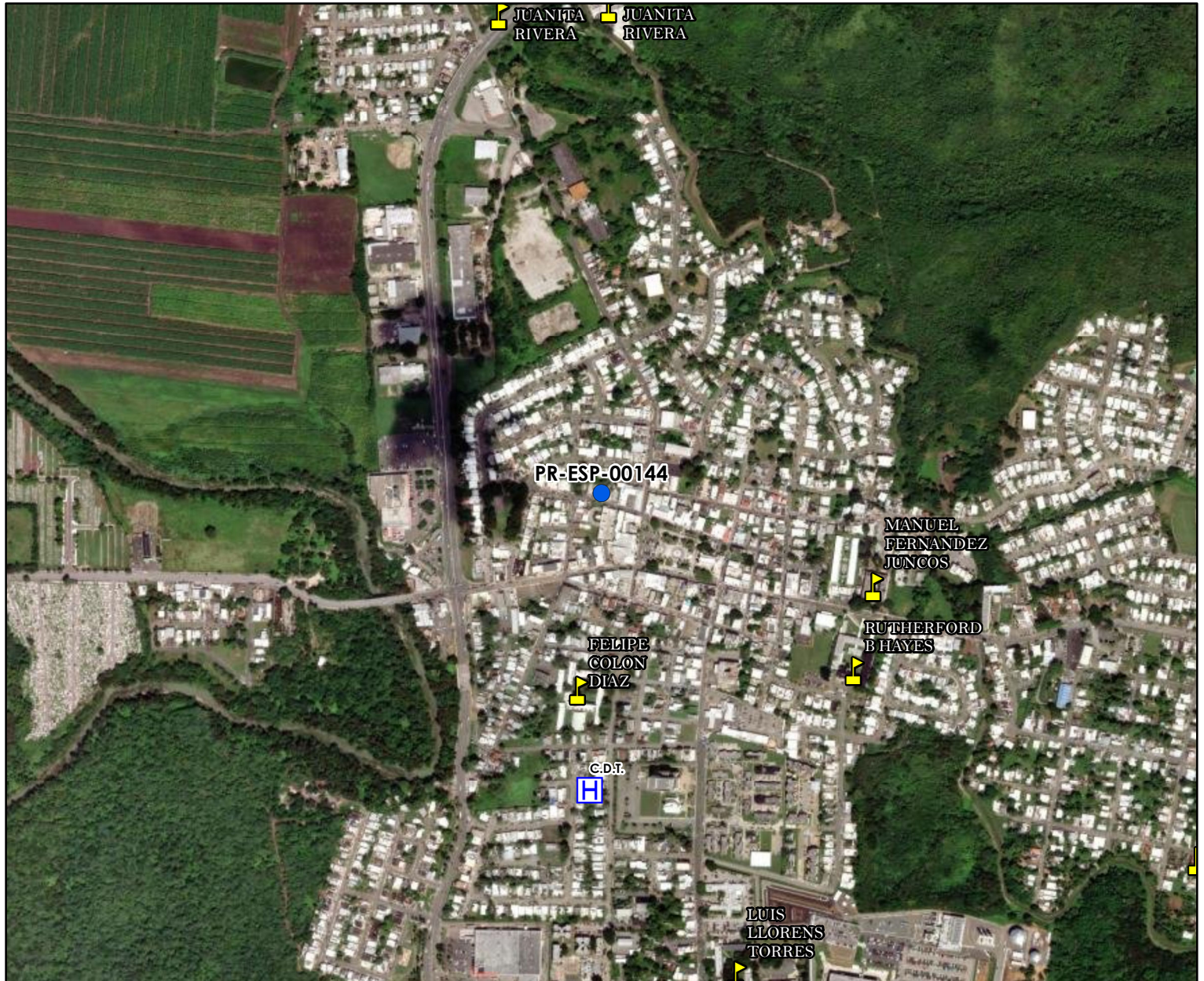
Source:
National Park Service (NPS) - National Register of Historic Places (NRHP)
<https://www.nps.gov/subjects/nationalregister/index.htm>
State Historic Preservation Office (SHPO)
<https://oech.pr.gov/Pages/default.aspx>

Figure 13

Noise Abatement and Control Map

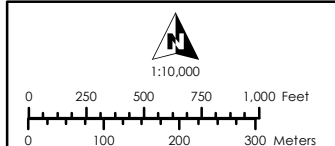
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- 🎓 University
- 🏫 School
- 🏥 Hospital
- 🏥 Emergency Hospital



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
U.S. Geological Survey (USGS)
<https://pubs.er.usgs.gov/publication/ofr20201022>

Figure 14

EPA Sole Source Aquifers

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,

Juana Díaz PR 00795

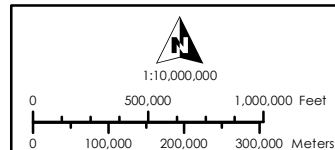
Catastro: 366-029-127-13-001

Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- EPA Sole Source Aquifers



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
U.S. Environmental Protection Agency
<https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b>

Figure 15

Wetlands Map

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
 19 Calle Degetau,
 Juana Díaz PR 00795
 Catastro: 366-029-127-13-001
 Lat: 18.053913, Lon: -66.507057

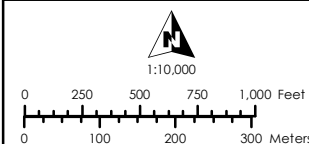


Legend:

● PR-ESP-00144

National Wetlands Inventory

	Estuarine and Marine Deepwater		Freshwater Pond
	Estuarine and Marine Wetland		Lake
	Freshwater Emergent Wetland		Riverine
	Freshwater Forested/Shrub Wetland		



Service Layer Credits:

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

U.S. Fish and Wildlife Service - National Wetlands Inventory
<https://www.fws.gov/program/national-wetlands-inventory>

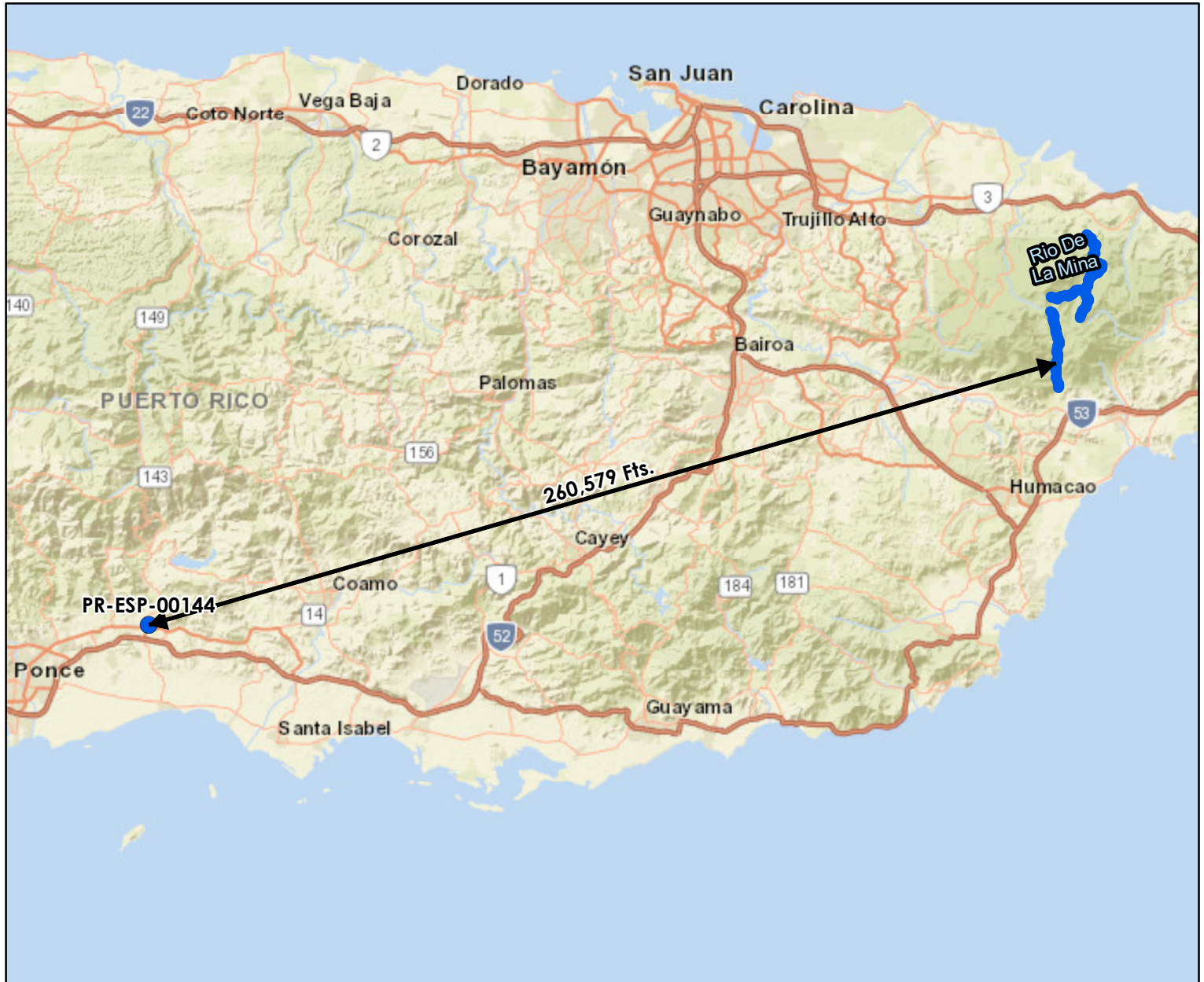
Figure 16

Wild and Scenic Rivers Map

Electrical Power Reliability and Resilience Program (ER2)

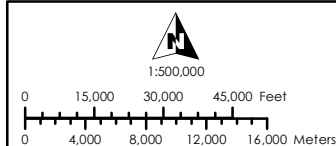
Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795

Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- Wild and Scenic Rivers



Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
U.S. Fish and Wildlife Service - National Wetlands Inventory
<https://www.fws.gov/program/national-wetlands-inventory>

Appendix 2: Field Visit Report



Environmental Field Assessment Form - PR-ESP-00144

APPLICANT/LOCATION INFORMATION		
Applicant ID:	PR-ESP-00144	 
Applicant Name:	Poetas Catering Corp	
Parcel ID:	366-029-127-13-001	
Coordinates:	18.053913, -66.507057	
Street Address:	19 CALLE DEGETAU	
Municipio:	Juana Díaz	
Zip Code:	00795	
Site Inspector:	Egon Gonzalez	
Date of Visit:	March 19, 2025	
Time of Visit:	12:09	
Year Built:	circa 1930	
Building Information		
Question	Answer	Notes
1. Location verified:	Yes	18.053913, -66.507057
2. Is the building correct on GIS?	Yes	Building is correct on GIS
3. Building Type:	Commercial/Residential	
4. # of Stories:	2	
5. Building Foundation:	Concrete Slab	
6. Is the building in use?	Yes	Building is in use
7. Does the building have a detached garage / carport present?	No	
8. Is the electricity connected?	Yes	Electricity is connected
9. Is the water connected?	Yes	Water is connected
10. Are there signs of poor housekeeping on site? (mounds of rubble, garbage, storm debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, electrical equipment etc.)	No	
11. Is a septic system present? If Yes report apparent condition.	No	
12. Are there any obvious signs of animals, birds nesting or burrows near the site?	No	



Parcel Conditions		
Question	Answer	Notes
1) Are there any 55-gallon drums visible on site? If yes, are they leaking?	Yes	(1) 55gal Drum used to store used cooking oil
2) Are there any (or signs of any) underground storage tanks on the property?	No	
3) Are there signs of AST on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	Yes	(3) 200gal Water cistern, (2) 25lbs Propane tanks and (1) 300lbs Propane tank located at back of structure
4) Is there any stained soil or pavement on the parcel?	No	
5) Are there any potentially hazardous trees that could fall?	No	
6) Are there any groundwater monitoring wells on the site or adjacent parcel?	No	
7) Is there distressed vegetation on the parcel?	No	
8) Are any additional environmental or non-environmental site hazards observed?	No	
9) Is there any permanent standing water, such as a pond or stream, located on the site(do not include ponding from recent rain / weather events)?	No	
10) Does the subject property have water frontage?	No	
11) Is the applicant aware of any significant historical event or persons associated with the structure, or of it being located in a historic district/ area?	Yes	Site is possibly in historic district
12) Is a historic marker present?	No	
13) Based on the above finding, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	



Building Environmental Conditions

Question	Answer	Notes
1. Is there any visible evidence of asbestos, chipping, and flaking or peeling paint, or hazardous materials present in or on the structure?	No	
2. Is there any visible indication of mold?	No	
3. Are there any pungent, foul or noxious odors?	No	

Additional Needs Analysis

Question	Answer	Notes
Based on the above findings, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	

☒ I verify that I have physically visited this property and that the findings outlined above are accurate.

Inspector Signature

Egon Gonzalez

March 19, 2025

Front of Structure

Photo Direction: North

Comments:



Facing Away from Front

Photo Direction: South

Comments:



Side #1 of Structure

Photo Direction: North

Comments:



Facing Away From Side #1

Photo Direction: Northwest

Comments:



Back of Structure

Photo Direction: East

Comments:



Facing Away from Back

Photo Direction: East

Comments:



Side #2 of Structure

Photo Direction: North

Comments:



Facing Away from Side #2

Photo Direction: Northeast

Comments:



Streetscape #1

Photo Direction: East

Comments:



Streetscape #2

Photo Direction: West

Comments:





Address

Photo Direction: Northwest

Comments:



Architectural Details 1

Photo Direction:

Photo Description: Electricity is connected



Architectural Details 2

Photo Direction:

Photo Description: Water is connected



Architectural Details 3

Photo Direction:

Photo Description: (1) 300lbs Propane tank located at back of structure



Architectural Details 4

Photo Direction:

Photo Description: General interior view



Architectural Details 5

Photo Direction:

Photo Description: General interior view



Architectural Details 6

Photo Direction:

Photo Description: 55gal Drums contains used cooking oil



Architectural Details 7

Photo Direction:

Photo Description: (2) 25lbs Propane tanks located at back of structure



Architectural Details 8

Photo Direction:

Photo Description: (2) 200gal Water cisterns located at back of structure



Architectural Details 9

Photo Direction:

Photo Description: (1) 200gal Water is located at back of structure



Architectural Details 10

Photo Direction:

Photo Description: Additional left side of structure



Architectural Details 11

Photo Direction:

Photo Description: Additional right side of structure



Architectural Details 12

Photo Direction:

Photo Description: Proposed location for battery storage system



Appendix 3: Scope of Work Quote



Acuerdo Parcial Apoyo Energético 2.0

COMPARECEN

---DE LA PRIMERA PARTE: **AC Electric, Inc.**, compañía adscrita a las leyes de Puerto Rico, con el número de registro corporativo 438728 e inscrita en el registro de contratistas con el número 141885 del Departamento de Asuntos del Consumidor dedicada a proveer servicios de Energía Renovable; representada en este acto por Angel E. Cruz Santiago, mayor de edad, casado (estatus civil), perito electricista y técnico de refrigeración y aire acondicionado (ocupación), presidente (posición que ostenta) y residente de Bo. Collores Carr. 512 Ramal 517 KM3.6 Juana Díaz, PR 00795, con número de teléfono 787-318-3702 y correo electrónico: acelectricpr@gmail.com; en lo sucesivo denominado, "LA COMPAÑÍA".

Y

---DE LA SEGUNDA PARTE: **Poetas Catering, Corp.** (nombre de la persona), mayor de edad, _____ (estatus Civil), _____ (ocupación) y residente de _____, representando a la compañía _____ con el número de registro corporativo _____, con dirección física _____, con número de teléfono _____ y correo electrónico _____; en adelante denominado "EL CLIENTE".



EXPONEN

-----1. Que LA COMPAÑÍA es una compañía que realizará los servicios de instalación de sistema fotovoltaico y que tiene el conocimiento experto, los recursos y la experiencia para realizar dicha tarea.

-----2. Acuerdan que ambas partes reconocen su capacidad legal para otorgar y firmar el presente ACUERDO DE INSTALACIÓN sujeto a las siguientes:

-----3. LA COMPAÑÍA realizará sus servicios como suplidor del PROGRAMA APOYO ENERGÉTICO 2.0 del Departamento de Desarrollo Económico y Comercio de Puerto Rico donde el CLIENTE estará participando como Beneficiario.

CLÁUSULAS

1. **EQUIPO A INSTALAR:** Los equipos que serán instalados por LA COMPAÑÍA bajo los parámetros establecidos en este contrato. Las marcas del sistema a instalar dependerán de la disponibilidad de los equipos que tengan los suplidores. De las marcas establecidas en la cotización, no estar disponibles, se instalará otra marca de igual o mayor calidad, que cumpla con las debidas regulaciones legales.

Equipo	Marca	Cantidad	Capacidad
Paneles Fotovoltáicos	JA Solar 415w	48	___19.9___ KWDC
Inversor	Envi 12K	1	___12___ KW
Batería	Fortress	1	___18.5___ KWH



El sistema fotovoltaico por instalar en el techo tiene un peso aproximado de 3,600 libras. La medición neta será sometida con todos los documento y requisitos, estará sujeta a disponibilidad y aprobación de parte de LUMA, no dependerá de LA COMPAÑÍA el tiempo que tarde dicho proceso, de estar disponible. El CLIENTE asegura que el sistema eléctrico de su propiedad cumple con todos los códigos y reglamentos establecidos por ley, de no estarlo será único responsable en caso de cualquier multa, reclamo o demanda de parte de LUMA y cualquier otro organismo. El proyecto se dará por completado una vez se hallan instalados todos los componentes y sometida la solicitud de medición neta. El sistema fotovoltaico no se podrá modificar luego que sea aprobada. El sistema no podrá exportar hasta tanto LUMA apruebe la medición neta. El proyecto no podrá comenzar hasta que el Acuerdo de Subvención esté debidamente registrado en la Ofical de Contralor de Puerto Rico. Una vez firmado el Acuerdo de Subvención, la PyME Solicitante será considerada como Beneficiario. Ver guía del Programa Apoyo energético 2.0. Si la Pymes solicitante no es aprobada este acuerdo quedará sin efecto.

- 2. COSTOS:** El Programa Apoyo Energético del Departamento de Desarrollo Económico y Comercio cubrirá el 60% del costo del sistema hasta un máximo de \$50,000. El CLIENTE acepta y se compromete a pagar el 40% del costo total del proyecto o el excedente de \$50,000 de ser necesario. El CLIENTE acepta y reconoce que el Programa de Apoyo Energético estará evaluando al CLIENTE y si



el programa, por razones no imputables al contratista, determina que EL CLIENTE no cumplió con algún requisito, El CLIENTE deberá satisfacer el costo total del proyecto. El precio establecido en el proyecto incluye exclusivamente costos aprobados por el programa. Ver guía del programa Apoyo energético 2.0.

Costo total del proyecto:	\$54,780
60% cubierto por el DDEC	\$32,868
40% cubierto por EL CLIENTE	\$21,912

3. UBICACIÓN DE LA INSTALACIÓN: El equipo será instalado en la ubicación del comercio cuya dirección física fue proporcionada por EL CLIENTE mediante la factura eléctrica comercial. El CLIENTE será responsable de permitir los accesos correspondientes a LA COMPAÑÍA para que esta pueda hacer las debidas instalaciones. Asimismo, EL CLIENTE vendrá obligado a proveer un lugar de trabajo seguro para la COMPAÑÍA y todos sus empleados, cumpliendo especialmente con las normas detalladas en el artículo cuatro de este contrato. El CLIENTE acepta y reconoce que previo a la instalación, LA COMPAÑÍA le informó el peso total del sistema a ser instalado, y por ende, será responsabilidad exclusiva del CLIENTE cerciorarse que el techo de la propiedad soporte el sistema que será instalado. El sistema será instalado acuerdo a las guías del programa Apoyo Energético 2.0.



4. GARANTÍA SOBRE EQUIPO Y LABOR: Los paneles fotovoltaicos, Inversor y baterías tendrán la garantía original del fabricante. La COMPAÑÍA no es responsable por defectos de fábrica de los equipos instalados. La garantía no será exigible si:

- a. Se utiliza el sistema sin la totalidad de las piezas instaladas originalmente;
- b. Se añaden cargas adicionales al sistema sin un debido estudio de cargas;
- c. Sufre daños por inundaciones, fuegos, terremotos, huracanes, eventos climáticos, robo o cualquier daño fortuito o daños ocasionados por terceros;
- d. Ocurren daños al sistema por carencia de debido mantenimiento;
- e. Mala negligencia o uso inadecuado para las cuales fue instalado el sistema;
- f. Si el sistema ha sido operado con fallas por tiempo prolongado;
- g. O si se incumple con el artículo 8 de este artículo.

Las garantías serán honradas luego de que el CLIENTE notifique algún fallo del sistema y se determine que el fallo fue propio del sistema y que no infringió alguna cláusula expuestas en el contrato.

PANELES FOTOVOLTAICOS: Garantía de fabricante, garantía lineal, 25 años directamente con el fabricante.

INVERSOR: Garantía de fabricante limitada a 10 años.

BATERÍAS: 10 años garantía

LABOR: 1 año

Ver Manual de garantía del producto provisto por la COMPAÑÍA



- 5. OBLIGACIONES DEL CLIENTE:** El cliente será responsable del pago de todos los impuestos correspondientes, si aplica, así como del saldo total del costo de la instalación objeto de este contrato, si aplica. Es un deber del cliente brindarle al sistema el mantenimiento correspondiente una vez este sea instalado, incluyendo el mantenimiento preventivo mínimo anual que incluye, pero no se limita a: limpieza del panel solar, revisión del sistema por personal cualificado, reemplazo de las baterías, según corresponda, y acatar cualquier otra recomendación del fabricante.
- 6. INFRINGIR:** El CLIENTE no podrá infringir las cláusulas de este contrato y el incumplimiento con alguna de estas conllevará la obligación de compensar económicamente a LA COMPAÑÍA por una cantidad de igual al costo del estimado, **Anejo A.**
- 7. MANIPULACIÓN DE EQUIPO:** El titular de la instalación se compromete a no manipular, ni él, terceras personas o un instalador electricista no autorizado, ninguna de las partes de la instalación estipulada en el presente contrato. Tampoco podrá intervenir otro instalador no certificado, a no ser que con anterioridad se notifique por parte del titular o persona autorizada a la empresa instaladora. Este contrato no es impedimento para que el titular de la instalación introduzca, con previa notificación a la Compañía y mediante un Ingeniero o Perito Electricista con licencia vigente en Energía Renovable, mejoras en la seguridad de sus instalaciones a medida que se efectúen modificaciones o ampliaciones que estarán sujetas a los



requisitos reglamentarios y legales, según sea su clasificación, y que entrarán en las futuras revisiones reglamentarias.

8. LUGAR SEGURO DE TRABAJO: El cliente será responsable de permitir el acceso a la ubicación de la instalación, y deberá asegurarse que dicha ubicación sea segura para que la compañía pueda ejecutar la instalación correctamente y sin peligros a su integridad o a la de sus empleados.

9. TERMINACIÓN: Serán razones para la terminación del presente Acuerdo las siguientes:

- a.** Si la Pymes solicitante no es aprobada este acuerdo quedará sin efecto.
- b.** Incumplimientos de las obligaciones contractuales de la otra Parte;
- c.** Diferencias irreconciliables entre las partes que no permitan el cumplimiento del trabajo de forma satisfactoria;
- d.** Por solicitud del cliente, quien tendrá que satisfacer un cargo del 50% del costo total del proyecto;
- e.** Disolución de la persona jurídica de la parte LA COMPAÑÍA, de aplicar;
- f.** Muerte de cualquiera de las partes, en caso de que sea persona natural;
- g.** En caso de circunstancias imprevistas, técnicas o económicas, o causas de fuerza mayor o fortuito, en las que no fuere posible o conveniente ejecutar total o parcialmente este contrato. No obstante, si el caso fortuito hubiese ocurrido estando en mora el deudor o se haya comprometido a entregar la misma cosa a dos personas, el deudor responderá. Siempre que la cosa se pierda en poder del deudor, se presumirá que la pérdida ocurrió por su culpa



y tiene la obligación de probar lo contrario. Serán eventos de caso fortuito huracanes, terremotos, inundaciones, torrentes, naufragios, incendios, rayos, tornados, granizos, sediciones populares, ruinas de edificios causadas por una desgracia imprevista y otros eventos similares en los que no se pueda prever o evitar.

10. EXONERACIÓN: Si se determina que LA COMPAÑÍA es responsable de cualquier pérdida, daño o lesión que surja de una falla del equipo o servicio en cualquier aspecto, la responsabilidad de la Compañía se limitará a una cantidad igual al precio de esta propuesta (aumentado por el precio de cualquier trabajo adicional) o donde se selecciona el término de pago de tiempo y material, los pagos de tiempo y material del Cliente a la Compañía. Cuando esta Solicitud de servicio cubra varios sitios, la responsabilidad se limitará al monto de los pagos asignados al sitio donde ocurrió el incidente.

11. MODIFICACIÓN DE ACUERDO: Este acuerdo incluyendo el sistema fotovoltaico no se podrá modificar luego que sea aprobado acorde a las guías del programa Apoyo Energético 2.0.

12. SEPARABILIDAD: Si alguna cláusula o parte de alguna cláusula del presente acuerdo se declara nula o inválida por un tribunal con jurisdicción, el resto de las cláusulas o de sus partes continuarán vigentes.



13. JURISDICCIÓN: El presente Acuerdo será interpretado conforme a las leyes de Puerto Rico y, en caso de reclamación judicial, se atenderá en el Tribunal correspondiente en dicho país.

14. CESIÓN DE ACUERDO: Este acuerdo no puede ser cedido en todo o en parte por el cliente sin consentimiento escrito de LA COMPAÑÍA.

Aceptación y firma de este Acuerdo: Las partes, luego de leer el presente Acuerdo, lo firman al final e inician cada una de las páginas, por encontrarlo conforme a sus voluntades, afirmando tener el uso total de sus capacidades legales y conocer sus obligaciones y responsabilidades contenidas en éste. Se estará firmando un (1) ejemplar de forma digital o manuscrita y éste constituirá el Acuerdo original de ambas partes.

Las partes manifiestan su conformidad con el presente Acuerdo, que otorgan y firman, en Juana Díaz (lugar), hoy 12 de agosto de 2024.



AC Electric Inc.

Representada por:

CLIENTE



AC Electric, Inc.

HC 03 Box12082 JD PR 00795

(787) 318-3702

acelectricpr@gmail.com

ANEJO A

Cotización

Cliente
Poetas Catering, Corp.

Dirección
19 Calle Degetau Juana Díaz PR 00795

280
06-17-2024

N°	Producto	Cantidad	Tarifa	Subtotal
1	Sistema Solar	1.00	32,546.00	32,546.00
2	Materiales Eléctricos	1.00	1,560.00	1,560.00
3	Labor Y Certificaciones	1.00	20,674.00	20,674.00

Términos y Condiciones

1. Sistema solar incluye: 48 Paneles JA Solar 415w para un total de 19.9 kwdc capacidad de almacenamiento 18.5 kwh Fortress, sistema de anclaje sunmodo 1Inverter 12k Envy.

Materiales eléctricos incluye: Tuberías pvc sch40, cablearía THHN, cablearía RHH, junction box y todo material necesario para la instalación.

Labor incluye: Instalación de sistema solar, Certificación Red, Incluye medición neta sujeto a disponibilidad.

Ahorro energético aprox. 90.63%

Garantía de 10 años en paneles fotovoltaico, garantía de 25 años por desempeño lineal de los paneles fotovoltaico, garantía de 10 años en inversor y batería.

Perito electricista lic # 12859

Técnico de A/C lic. # 12756

Total : \$ 54,780.00

Gran total \$ 54,780.00

Angel E. Cruz Santiago
Contratista Lic. # 141885



AC ELECTRIC, INC.

PROPUESTA DE SERVICIOS

Para Programa Apoyo Energético 2.0

NUESTRA EMPRESA

AC Electric es una empresa puertorriqueña establecida en el 2020 en el área Sur de Puerto Rico. Ofrecemos servicios de Electricidad, Sistemas Fotovoltaicos y Aire Acondicionados. Contamos con peritos electricistas y técnicos de refrigeración colegiados. Nuestros peritos electricistas cuentan con más de 15 años de experiencia en la industria eléctrica y certificados en sistemas de energía renovables. Nuestra misión es prestar servicios de calidad, dentro de un ambiente ético de exigencias, para satisfacer oportunamente las necesidades de nuestros clientes, bajo las leyes y reglamentos del departamento del estado.

NUESTRA PROPUESTA

AC Electric se complace en presentar esta propuesta de servicios de energía renovable para:

Compañía/beneficiario: **Poetas Catering, Corp.**

Dueño/solicitante: **Juan Alberto Nieves Rodríguez**

AC Electric pone a su disposición el siguiente sistema solar en base a su **consumo anual promedio de 32,187kwh** para cubrir el 90% de su factura de LUMA aproximadamente:

- Instalación de 48 paneles fotovoltaicos marca JA Solar 415W, **capacidad total de 19.9kwdc.**
- Instalación de 1 inversor Envi 12k, **capacidad total de 12k.**
- Instalación de sistema de almacenamiento 1 batería Fortress, **capacidad total de 18.5kwh.**
- Medición neta (sujeto a disponibilidad).

PRECIOS

El sistema solar propuesto tiene un costo de \$54,780.00 cuyos costos se desglosan de la siguiente:

- Paneles fotovoltaicos - \$8,150.00
- Inversor - \$8,400.00
- Batería - \$11,950.00
- Sistema de anclaje - \$4,046.00
- Materiales eléctricos -\$1,560.00
- Labor y certificaciones - \$20,674.00

Adjunto a esta propuesta encontrará la cotización del equipo propuesto, con las especificaciones, certificaciones y garantías.

Experiencia

- Suplidor del programa Apoyo Energético año 2021
- Suplidor programa CBDG-MIT

CONCLUSIÓN

Esperamos trabajar con usted apoyando sus esfuerzos para brindarle un equipo eficiente de energía renovable. Estamos a su servicio. Si tiene preguntas sobre esta propuesta, no dude en ponerse en contacto con Angel E. Cruz Santiago por correo electrónico acelectricpr@gmail.com o por teléfono al 787-318-3702.

Gracias por su consideración,



Angel E. Cruz Santiago
Presidente, AC Electric.

26 de agosto de 2024

AC Electric, Inc.
HC 03 Box 12082 JD PR 00795
787-318-3702
acelectricpr@gmail.com



Proyecto: **Poetas Catering, Corp**

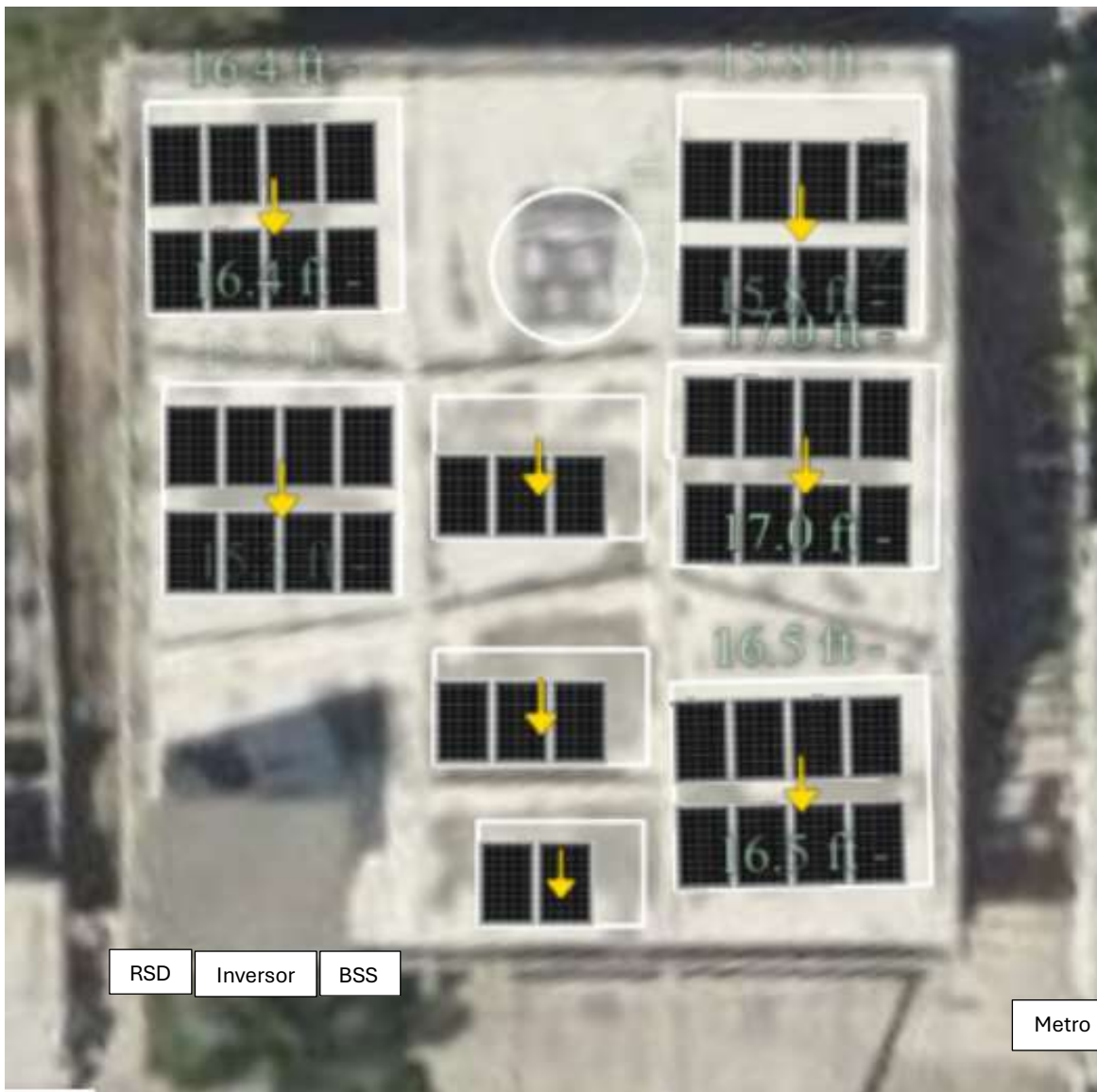
Propietario: Juan Alberto Nieves Rodríguez

Teléfono: 939-222-2168

Dirección: 19 Calle Degetau Juana Díaz PR 00795

Coordenadas: 18.0529055, -66.5070819

Foto Sistema Fotovoltaico



19 Calle Degetau Juana Díaz, PR

Appendix 4: EPA's Published Summary of Non-attainment Areas Population Exposure Report & Status of Puerto Rico Designated Areas

EPA's Published Summary of Nonattainment Areas
Population Exposure Report & Status of Puerto Rico
Designated Areas



You are here: EPA Home > Green Book > Summary Nonattainment Area Population Exposure Report

Summary Nonattainment Area Population Exposure Report

Data is current as of June 30, 2025

Ordered by state(s)

The NO₂ nonattainment area became a maintenance area on September 22, 1998. All Carbon Monoxide areas were redesignated to maintenance areas as of September 27, 2010. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

Download National Dataset: [dbf](#) | [xls](#) | [Data dictionary \(PDF\)](#)

State(s)	General Area Name (see note)	2010 Population in 1000s (area count)									
		8-Hour Ozone (2015)	8-Hour Ozone (2008)	PM-2.5 (2012)	PM-2.5 (2006)	PM-2.5 (1997)	PM-10 (1987)	SO ₂ (2010)	SO ₂ (1971)	Lead (2008)	Lead (1978)
AK	Fairbanks				87(1)						
AZ	Douglas/Paul Spur (Cochise County)						17(1)				
AZ	Hayden/Miami						26(2)	20(2)	5(1)	5(1)	
AZ	Nogales						30(1)				
AZ	Phoenix-Mesa	3,945(1)	3,850(1)				3,853(1)				
AZ	Rillito (Pima County)						1(1)				
AZ	West Pinal				52(1)		283(1)				
AZ	Yuma	87(1)					101(1)				
CA	Amador and Calaveras Cos (Central Mountain Cos)	84(2)	46(1)								
CA	Chico	220(1)	220(1)								
CA	Imperial County	175(1)	175(1)	154(1)	154(1)						
CA	Los Angeles-South Coast Air Basin	15,704(3)	15,723(3)	15,716(1)	15,716(1)	15,716(1)				9,437(1)	
CA	Mariposa and Tuolumne Cos (Southern Mountain Cos)	74(2)	18(1)								
CA	Mono County						0(1)				
CA	Nevada County (Western Part)	82(1)	82(1)								
CA	Owens Valley						7(1)				
CA	Plumas County			6(1)							
CA	Sacramento Metro	2,240(1)	2,241(1)		2,206(1)						
CA	San Diego	3,077(1)	3,095(1)								
CA	San Francisco-Bay Area	6,969(1)	6,973(1)		6,971(1)						

[illegible]

State(s)	General Area Name (see note)	2010 Population in 1000s (area count)									
		8-Hour Ozone (2015)	8-Hour Ozone (2008)	PM-2.5 (2012)	PM-2.5 (2006)	PM-2.5 (1997)	PM-10 (1987)	SO ₂ (2010)	SO ₂ (1971)	Lead (2008)	Lead (1978)
MO	Iron, Dent, and Reynolds Counties									0(1)	
MO	New Madrid County							0(1)			
MO-IL	St. Louis	2,488(1)								5(1)	3(1)
MT	Billings/Laurel								7(1)		
MT	Lame Deer						1(1)				
MT	Polson (Lake County)						4(1)				
MT	Ronan (Lake County)						3(1)				
NV	Las Vegas	1,892(1)									
NY	Jamestown		135(1)								
NY	St. Lawrence County							12(1)			
NY-NJ-CT	New York-N. New Jersey-Long Island	20,217(1)	20,217(1)								
OH	Canton-Massillon									6(1)	
OH	Cleveland-Akron-Elyria	2,780(1)									
OR	Klamath Falls				47(1)						
PA	Clearfield and Indiana Counties							93(1)			
PA	Lancaster		519(1)								
PA	Pittsburgh-New Castle		2,356(1)	1,223(1)	21(1)	21(1)		20(2)	5(1)	18(1)	
PA	Reading		411(1)							49(2)	
PA	Warren County							18(1)			
PA-NJ	Allentown-Bethlehem-Easton		712(1)								
PA-NJ-DE-MD	Philadelphia-Wilmington-Atlantic City	7,437(1)	7,634(2)								
PR	Arecibo									32(1)	
PR	Guayama-Salinas							23(1)			
PR	San Juan							275(1)			
TN	Johnson City-Kingsport-Bristol							15(1)			
TX	Dallas-Fort Worth	6,202(1)	6,280(1)								
TX	Fairfield							4(1)			
TX	Houston-Sugar Land-Baytown	5,773(1)	5,892(1)								
TX	Howard County							0(1)			

State(s)	General Area Name (see note)	2010 Population in 1000s (area count)									
		8-Hour Ozone (2015)	8-Hour Ozone (2008)	PM-2.5 (2012)	PM-2.5 (2006)	PM-2.5 (1997)	PM-10 (1987)	SO ₂ (2010)	SO ₂ (1971)	Lead (2008)	Lead (1978)
TX	Hutchinson County							15(1)			
TX	Mount Pleasant							0(1)			
TX	Navarro County							2(1)			
TX	San Antonio	1,715(1)									
TX	Tatum							2(1)			
TX-NM	El Paso-Las Cruces	813(1)					652(2)				
UT	Provo	516(1)			518(1)						
UT	Salt Lake City	1,616(1)			1,665(1)				1,030(1)		
UT	Tooele County								58(1)		
UT	Uinta Basin	47(1)									
VA	Giles County							0(1)			
WI	Milwaukee-Racine	1,648(1)									
WI	Sheboygan	68(1)									
WV-OH	Parkersburg-Marietta							4(1)			
WY	Upper Green River Basin		11(1)								
		2010 Population in 1000s (area count) by Pollutant									
Total Estimated 2010 Population in Nonattainment Areas (1000's)		8-Hour Ozone (2015)	8-Hour Ozone (2008)	PM-2.5 (2012)	PM-2.5 (2006)	PM-2.5 (1997)	PM-10 (1987)	SO ₂ (2010)	SO ₂ (1971)	Lead (2008)	Lead (1978)
Across All Criteria Pollutants: 121,102		114,981 (46)	90,288 (34)	20,942 (5)	31,280 (11)	19,579 (3)	5,605 (20)	1,900 (28)	1,106 (7)	9,561 (11)	3 (1)

The Summary Population Exposure Report is a summary of the population living in an area that is in nonattainment for at least one of the NAAQS.

Area Name:

The "State(s) Area Name" column contains a common or general name for the nonattainment areas on the row, but may not reflect the exact name of any area on the row. This column cannot be exact since the nonattainment area for one pollutant may not contain the same counties, cities, or states as the nonattainment area for another pollutant on the same row. The abbreviations listed in the "State(s)" column reflect all states identified in row. However, some states on a row may be nonattainment for some pollutants and not for others in the general area. A multi-state area with states that have not all been redesignated to maintenance is counted as a nonattainment area until all of the states in the area are redesignated, with the whole area population displayed.

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You are here: EPA Home > Green Book > >National Area and County-Level Multi-Pollutant Information >Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of June 30, 2025

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

PUERTO RICO

▼

GO

Important Notes

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County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	111213141516171819202122232425	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	929394959697989900010203040506070809	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	1819202122232425	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	1819202122232425	//		Part	52,441	72/137

Important Notes

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Puerto Rico Ozone-1Hr (1979) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico Ozone-8Hr (1997) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico Ozone-8Hr (2008) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico Ozone-8Hr (2015) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico PM-10 (1987) Areas [Return to map](#) [Top of page](#)

Click on the Area name to view SIP Requirements Area	Status	Designation Date	Classification	2010 Population (state portion)	Meets NAAQS Basis	Average Estimated Exceedances (est. exc.) (entire area)	Meets NAAQS	SIP Requirements Original/ Approved	Clean Air Determination Citation Effective Date Click to view FR notice	Redesignation Request Date	Redesignation Citation Effective Date Click to view FR notice
Guaynabo County	Maintenance	11/15/1990	Moderate	90,470	2017-2019		Insufficient Data	3 / 3		03/31/2009	02/11/2010 75 FR 1543

Puerto Rico PM-2.5 (1997) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico PM-2.5 (2006) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico PM-2.5 (2012) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico SO2 (1971) Areas [Return to map](#) [Top of page](#)

No designated areas for this pollutant.

Puerto Rico SO2 (2010) Areas [Return to map](#) [Top of page](#)

Click on the Area name to view SIP Requirements											
Area	Status	Designation Date	Classification	2010 Population (state portion)	Meets NAAQS Basis	3 Year 1-Hour Design Value (ppb) (entire area)	Meets NAAQS	SIP Requirements Original/ Approved	Clean Air Determination Citation Effective Date Click to view FR notice	Redesignation Request Date	Redesignation Citation Effective Date Click to view FR notice
Guayama-Salinas	Nonattainment	04/09/2018		23,401	2017-2019		No Data	6 / 0			
San Juan	Nonattainment	04/09/2018		275,267	2017-2019		No Data	6 / 0			

We have made our best effort to ensure that the data contained in these reports is accurate. We note that there may be brief delays in updating the reports as we receive new state submissions and we take rulemaking action on plans. In order to assist us in providing accurate information, we request that you contact us by clicking on the "Contact Us" link near the top of this page with any comments regarding or corrections to the posted information, including concerns about whether the entries reflect the most recent status.

Current and historical design value data can be found on the [EPA Air Quality Design Values website](#) and the [EPA Green Book](#) contains comprehensive nonattainment area, designation status, and historical information.

The level of the 1-hour NAAQS for sulfur dioxide is 75 parts per billion (ppb) calculated as the 3-year average of the 99th percentile of the annual distribution of daily maximum 1-hour average concentrations.

Appendix 5: RADON Memo to file and supporting documentations



DEPARTMENT OF

HOUSING

GOVERNMENT OF PUERTO RICO



Memorandum to File

Date: July 1, 2025

From: Patricia Carmenatty Santiago
Environmental Specialist
Behar Ybarra & Associates LLC
CDBG-DR Program
Electrical Power Reliability and Resilience Program (ER2)
Puerto Rico Department of Housing

Application Number: PR-ESP-00144

Project: Poetas Catering Corp

Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number PR-ESP-00144 under the Electrical Power Reliability and Resilience Program (ER2), administered by the Puerto Rico Department of Housing (**PRDOH**), to complete the property's contamination analysis in accordance with 24 C.F.R. § 50.3(i) and 24 C.F.R. § 58.5(i), we have determined that testing the property's radon levels is infeasible and impracticable.

Per the U.S. Department of Housing and Urban Development's (**HUD**) CPD Notice 23-103, the recommended best practices and alternative options for radon testing are infeasible and impracticable in this case due to the following reasons:

- As required by the CPD Notice 23-103, the scientific data reviewed in lieu of testing must consist of a minimum of ten documented test results over the previous ten years. If there are less than ten documented results over this period, it is understood that there is a lack of scientific data. The latest report

for radon testing in Puerto Rico was prepared in 1995 by the U.S. Department of the Interior in Cooperation with the U.S. Environmental Protection Agency. No other completed studies and reports on radon testing are available in Puerto Rico.

- There is no available science-based or state-generated information for Puerto Rico for the last ten years that can be used to determine whether the project site is in a high-risk area. The Department of Health and Human Services, Centers for Disease Control and Prevention (**CDC**), National Environmental Public Health Tracking, and Radon Testing map do not include Puerto Rico data.
- There are only two (2) licensed professionals in Puerto Rico who can conduct radon testing using the American National Standards Institute/American Association of Radon Scientists and Technologists (**ANSI/AARST**) testing standards, which makes it difficult, time-consuming, and highly expensive to coordinate and secure a site visit for the contamination evaluation.
- Do-it-yourself (**DIY**) radon test kits are known to be unreliable in assuring and controlling the quality of the test results; they are not readily available in Puerto Rico, and the cost and time required for purchasing and sending them for analysis are unreasonable when weighed against the results' reliability and the need for prompt results.
- Local authorities in Puerto Rico do not have the specialized radon monitoring equipment or trained staff needed to conduct the radon testing analysis and ensure proper quality control and quality assurance practices are adhered to. We also do not have a radiation laboratory certified for radon testing.
- Local authorities in Puerto Rico do not have the specialized radon monitoring equipment or trained staff needed to conduct the radon testing analysis and ensure proper quality control and quality assurance practices are adhered to. We also do not have a radiation laboratory certified for radon testing.

As part of the evaluation for this determination, PRDOH sent information requests to six (6) local agencies at the state and federal levels. We received responses from the following agencies:

- United States Geological Survey;
- Centers for Disease Control and Prevention;
- Puerto Rico Department of Health; and
- United States Environmental Protection Agency.

The agencies mentioned above confirmed the lack of scientific data on Radon testing for Puerto Rico and the technical difficulties that we face to comply with HUD's Radon testing requirement. For the above-mentioned reasons, Radon testing is infeasible and impracticable for this property, and no further consideration of Radon is needed for the environmental review.



August 20, 2024

Mrs. Carmen R. Guerrero Pérez
Director
Caribbean Environmental Protection Division
City View Plaza II – Suite 7000
#48 Rd. 165 km 1.2
Guaynabo, PR 00968-8069

Via email: guerrero.carmen@epa.gov

RE: Request for information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Barbosa Ave. #606, Building Juan C. Cordero Davila, Rio Piedras, PR 00981 | PO Box 21365 San Juan, PR 00928-1365
Tel: (787) 274-2527 | www.usenda.pr.gov



August 20, 2024

Dr. Silvina Cancelos
Professor
College of Engineering
University of Puerto Rico – Mayagüez Campus
259 Norte Blvd. Alfonso Valdés Cobián
Mayagüez, Puerto Rico

Via email: silvina.cancelos@upr.edu

RE: Request for information regarding available data on radon testing and levels within Puerto Rico

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Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements. If some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Oleg Pavetko, Pavetko.Oleg@epa.gov
Mr. Matthew Laitila, laitila.matthew@epa.gov

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Dr. Carlos Marín, carlos.marin3@upr.edu



August 20, 2024

Dr. Jessica Izárry
Director
Office of Island Affairs
U.S. Centers for Disease Control and Prevention
1324 Cll Canada, San Juan, 00920
Guaynabo, PR 00968-8069

Via email: OIA@cdc.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

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CDBG-DR/MIT Program
Request for Information in relation with HUD CPD-23-103 for Puerto Rico
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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary



August 20, 2024

Mrs. Anais Rodríguez
Secretary
Puerto Rico Department of Natural Resources
Carretera 8838, km. 6.3, Sector El Cinco,
Río Piedras San Juan, PR 00926

Via email: anais.rodriguez@dma.pr.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Luis Márquez, secretariogaire@dma.pr.gov
Eng. Amarilis Rosario, aire@dma.pr.gov
Mrs. Elid Ortega, ortega@dma.pr.gov



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Dr. Carlos R. Mellado López
Secretary
Puerto Rico Department of Health
PO Box 70184
San Juan, PR 00936-8184

Via email: dr.carlos.mellado@salud.pr.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

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Tel. (787) 274-2527 | www.cdh.pr.gov



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Mrs. Holly Weyers
Regional Director, Southeast – Puerto Rico
US Geological Survey
3916 Sunset Ridge Road
Raleigh, NC 27607

Via email: hweyers@usgs.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Raúl Hernández Dabla, rhernandez2@salud.pr.gov

CDBG-DR/MIT Program
Request for Information in relation with HUD CDP-23-103 for Puerto Rico
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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. R. Randall Schumann, rschumann@usgs.gov

From: Charp, Paul (CDC/NCEH/DEHSP) <pac4@cdc.gov>
Sent: Tuesday, September 3, 2024 6:36 AM
To: Miranda, Sandra (CDC/PHIC/DPS); Irizarry, Jessica (CDC/PHIC/DPS); Rzeszutarski, Peter (CDC/NCEH/DEHSP); Vinson, D. Aaron (CDC/NCEH/DEHSP)
Cc: Kostak, Liana (CDC/PHIC/DPS); Vazquez, Germaine (CDC/NCEH/DEHSP)
Subject: RE: REHi: Puerto Rico Request for Information- Randon testing and levels

Good morning, Sandra and others,

In response to the request from Mr. William Rodriguez of the Department of Housing, Government of Puerto Rico, I have reviewed all the available data within the CDC National Environmental Public Health Tracking Network system for data related to radon in Puerto Rico. In addition to the tracking data available on the internet, I also reached out to Mr. Aaron Vinson of the NCEH Tracking Branch.

I was not able to find any data in the CDC systems and this was confirmed by Mr. Vinson. We also reached out the US Environmental Protection Agency who indicated they had no radon data in their systems. Please relay this information to Mr. Rodriguez in your response to his requests

If you have any additional questions, please contact me.

Thank you and best regards,

Paul A. Charp, Ph.D., Fellow, HPS
Senior Health Physicist
Emerging Environmental Hazards and Health Effects Branch (EEHHEB)
Division of Environmental Health Science and Practice (DEHSP)
National Center for Environmental Health (NCEH)
Centers for Disease Control and Prevention (CDC)
pcharp@cdc.gov
770-488-0723 office
404.388.0614 Cell



From: Schumann, R. Randall <rschumann@usgs.gov>
Sent: Wednesday, August 21, 2024 4:39 PM
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>; Weyers, Holly S <hsweyers@usgs.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>
Subject: RE: Request for Information- Radon testing and levels

Dear Ms. Medina Smaine,

In the early 1990s the U.S. Geological Survey (USGS) conducted geologic assessments of radon potential for all 50 states and the territories of Guam and Puerto Rico, in collaboration with the U.S. EPA. I conducted the geologic radon potential assessment for Puerto Rico. The PDF file of the report is too large to attach to this message but it can be obtained at <https://pubs.usgs.gov/of/1993/0292k/report.pdf>. The USGS did not conduct indoor radon testing and we did not conduct field studies associated with this assessment; it was based on existing data. Mr. David Saldana of the Puerto Rico Department of Health kindly provided us with data for 610 homes that were tested for indoor radon by his agency between 1993 and 1995, which are summarized in the report. I am not aware of any other radon-related geologic studies conducted in the Commonwealth of Puerto Rico by the U.S. Geological Survey.

Best regards,

R. Randall Schumann
Scientist Emeritus
U.S. Geological Survey
Geosciences and Environmental Change Science Center
Denver, Colorado, USA
rschumann@usgs.gov
<https://www.usgs.gov/staff-profiles/r-randall-schumann>

From: Raul Hernandez Doble <rhernandez2@salud.pr.gov>
Sent: Wednesday, August 21, 2024 2:13:31 PM
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>; Dr. Carlos Mellado <drcarlos.mellado@salud.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Mayra Toro Tirado <mtoro@salud.pr.gov>
Subject: RE: [EXTERNAL] Request for Information- Radon testing and levels

Good afternoon. Ms. Medina

I regret to inform that we do not have any recent information on radon testing, since we do not have a certified radiation laboratory certified for radon testing. There are companies that sell test kits available online that can be done and mailed to a testing laboratory. There are also lists of radon contractors and these companies that process radon testing cartridges with instructions, on the Environmental Protection Agency Indoor air Quality web page. The last radon study in Puerto Rico done by the PR Department of Health was done on the year 1993.

Raul Hernandez Doble
Director, Seccion Salud Radiologica
Division de Salud Ambiental
Secretaria Auxiliar para la Vigilancia y la Proteccion de la Salud Publica
rhernandez2@salud.gov.pr
Phone: (787)765-2929 ext. 3210

From: Reyes, Brenda <Reyes.Brenda@epa.gov>
Sent: Wednesday, September 18, 2024 11:48 AM
To: Cesar O Rodriguez Santos <cesarrodriguez@drna.pr.gov>; Maritza Rosa Olivares <maritzarosaolivares@drna.pr.gov>; Silvina Cancelos Mancini <silvina.cancelos@upr.edu>; Melanie Medina Smaine <mmedina@vivienda.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Povetko, Oleg (he/him/his) <Povetko.Oleg@epa.gov>
Subject: RE: Request for Information- Randon testing and levels

Saludos.

La EPA esta trabajando una respuesta a su petición. Se sometió borrador a la directora y el subdirector para su aprobación y firma.

Brenda Reyes Tomassini
Public Affairs
U.S. EPA
Region 2
Caribbean Environmental Protection Division
(787) 977-5869/(787) 977-5865
Mobile: 202-834-1290

From: Silvina Cancelos Mancini <silvina.cancelos@upr.edu>
Sent: Friday, September 6, 2024 15:04
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Maritza Rosa Olivares <maritzarosaolivares@drna.pr.gov>; Reyes, Brenda <Reyes.Brenda@epa.gov>; Povetko, Oleg <Povetko.Oleg@epa.gov>
Subject: Re: Request for Information- Randon testing and levels

Estimada Melanie Medina

Quería dejarle saber que recibimos su correo el 21 de agosto al igual que el de Maritza Rosa el pasado 4 de septiembre. Ya las personas involucradas de EPA, junto conmigo y el Dr. Marín estamos al tanto del asunto y estamos trabajando para poder enviarles la información.

Atentamente

Silvina Cancelos
Professor
Associate Director
Mechanical Engineering Department
University of Puerto Rico - Mayaguez
Call BOX 9000 Mayaguez PR 00680
Tel: 787-832-4040 ext 5956
email: silvina.cancelos@upr.edu



Bubble Dynamics Lab
University of Puerto Rico - Mayaguez



EPA REGION 2
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION

September 23, 2024

VIA EMAIL

William O. Rodríguez Rodríguez, Esq.
Secretary
Puerto Rico Department of Housing
Barbosa Ave. 606 Building Juan C. Cordero
San Juan, PR 00917
Email: W.Rodriguez@vivienda.pr.gov

RE: EPA Response to August 20, 2024 request for information of data on radon testing and levels in Puerto Rico

Dear Honorable Secretary Rodríguez Rodríguez:

This communication is in response to your letter of August 20, 2024 addressed to the Puerto Rico Department of Natural and Environmental Resources (DNER) and referred to the U.S. Environmental Protection Agency (EPA) regarding available data on radon testing and levels within Puerto Rico.

EPA's National Radon Action Plan 2021–2025 sets a goal for the nation to find, fix and prevent high indoor radon levels in 8 million buildings by 2025 and prevent 3,500 lung cancer deaths per year. Under this Plan, leaders from across multiple sectors are working together to plan, guide, and sustain nationwide action to prevent exposure to radon.

Due to the lack of data in Puerto Rico, EPA undertook an investigation in collaboration with the University of Puerto Rico-Mayaguez (UPRM) Campus, Departments of Civil Engineering and Surveying and Mechanical Engineering, to find out if radon presented a problem in Puerto Rico. Up until 2021, the only data we had for Puerto Rico was a 1993-1995 mail-in radon screening study referred to by the U.S. Geological Survey report (USGS, 1995) in which the USGS concluded that several areas of Puerto Rico have the geologic potential to generate indoor radon levels exceeding the EPA Action Level of 4 pCi/L (picocuries per liter), perhaps locally reaching very high levels above 50 pCi/L, if a house construction and

ventilation allow for soil-gas radon to enter and concentrate within the structure.¹ According to the USGS report, most of these areas are located in the northwest part of the island. Please note that the actual 1993-1995 study documentation is not available to the EPA.

Typical radon testing technology used in mainland United States (charcoal canisters or electric-powered devices) are impractical in Puerto Rico because of high humidity and power outages. The recovery and rebuilding of communities following the aftermath of 2017 Hurricanes Irma and Maria presented an opportunity to develop radon prevention and mitigation strategies in 2019. Initially, EPA sampled indoor radon air in over 170 single-family residences in the municipalities of San Sebastián, Lares, Ciales, Arecibo, Morovis, Camuy, and Hatillo and later expanded the project to other municipalities such as Rincon, Aguada, Aguadilla, Isabela, Quebradillas, Barceloneta and Vega Baja. The quality assurance protocols were anchored in American National Standards Institute/American Association of Radon Scientists and Technologists (ANSI/AARST) standards of practice (ANSI/AARS, 2019). The sampling was designed in two stages: scoping and confirmatory sampling. The scoping sampling was conducted using Corentium Home (CH) electronic monitors and E-Perm systems. Locations measuring above the EPA Action Level of 4 pCi/L with CH were measured at the second stage of the sampling using RAD7 and Corentium Pro Continuous Radon Monitors (CRMs). Nationally certified radon sampling professionals led by one such professional from the UPRM conducted confirmatory sampling in the second stage. Also, during the study, the nationally certified radon mitigation professionals inspected several homes with elevated indoor radon levels.

Mapping radon in Puerto Rico proved to be a complicated endeavor given the COVID-19 pandemic in 2020. EPA and UPRM continue to work on the project, however, results have not been finalized, and no scientific report has been published yet. Unfortunately, EPA cannot share preliminary data at this time because it contains privileged information. Nevertheless, preliminary data from the study does show homes with levels over 4 pCi/L (EPA Action Level) that might need mitigation to protect the health of their inhabitants.

Although many states have developed laws and regulations governing radon disclosure, certification, and mitigation, Puerto Rico lacks legislation or mandatory radon testing provisions for new construction, remodeling, selling or buying homes. Given this loophole and aiming to answer your request, the EPA can provide information on Best Management Practices for sampling indoor radon in Puerto Rico.

¹ **Reference:** USGS. Geologic Radon Potential of Guam and Puerto Rico, Report 93-292-K. Washington, DC: USGS. Retrieved 9/11/2024, from <https://pubs.usgs.gov/of/1993/0292k/report.pdf>.

CITY VIEW PLAZA II BUILDING, 7TH FLOOR
ROUTE 185 GUAYNABO, PR 00988

2

If you have any questions or need any additional information, please contact me at 787-977-5865 or guerrero.carmen@epa.gov or have your staff contact Reyes, Brenda at reyes.brenda@epa.gov or (787) 977-5869.

Sincerely,

**CARMEN
GUERRERO
PEREZ**

Carmen R. Guerrero Pérez
Director

Digitally signed by
CARMEN GUERRERO PEREZ
Date: 2024.09.23 09:41:39
-04'00'

cc: Roberto Mendez, Esq (Acting Secretary, PR Department of Natural and Env. Resources)
Melany Medina: mmedina@vivienda.pr.gov
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Marita Rosa Olivares: maritzarosaolivares@drna.pr.gov

ECHO Reports



Detailed Facility Report

Facility Summary

AUTOTEK CARIBE

14,7 TOMAS CARRION MADURO AVE, JUANA DIAZ, PR 99999

FRS (Facility Registry Service) ID: 110006433797

EPA Region: 02

Latitude: 18.05481

Longitude: -66.50546

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN008004160)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110006433797					N	18.05481	-66.50546
RCRAInfo	RCRA	PRN008004160	Other	Inactive ()			N	18.056553	-66.506939

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110006433797	AUTOTEK CARIBE	147 TOMAS CARRION MADURO AVE., JUANA DIAZ, PR 99999	Juana Díaz Municipio
RCRAInfo	RCRA	PRN008004160	AUTOTEK CARIBE	147 TOMAS CARRION MADURO AVE., JUANA DIAZ, PR 99999	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008004160	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRN008004160)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
No data records returned															

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned						

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,872	Children 5 years and younger	355 (4%)
Population Density	2,860/sq.mi.	Minors 17 years and younger	1,488 (17%)
Housing Units in Area	4,064	Adults 18 years and older	7,383 (83%)
Percent People of Color	100%	Seniors 65 years and older	2,419 (27%)
Households in Area	3,381		
Households on Public Assistance	122	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	7,267	White	2,137 (24%)
Percent With Low Income	82%	African-American	610 (7%)
		Hispanic-Origin	8,865 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	5 (0%)
		Other/Multiracial	418 (5%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	1,092 (16.75%)
Center Latitude	18.05481	9th through 12th Grade	721 (11.06%)
Center Longitude	-66.50546	High School Diploma	1,907 (29.25%)
Total Area	--	Some College/2-year	489 (7.5%)
Land Area	99%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,534 (23.53%)
Water Area	1%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,395 (41.26%)		
\$15,000 - \$25,000	733 (21.68%)		
\$25,000 - \$50,000	761 (22.51%)		
\$50,000 - \$75,000	357 (10.56%)		
Greater than \$75,000	135 (3.99%)		



Detailed Facility Report

Facility Summary

CARIBE GENERAL ELECTRIC PRODUCT JUANA DI

PR-149 KM 67, JUANA DIAZ, PR 00795

FRS (Facility Registry Service) ID: 110000907957

EPA Region: 02

Latitude: 18.059439

Longitude: -66.508889

Locational Data Source: SEMS

Industries: Electrical Equipment, Appliance, and Component Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	02/24/2004
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRD090282757)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00795CRBGNCARRI

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110000907957					N	18.059439	-66.508889
ICIS		36133					N	18.05943	-66.50888
SEMS	CERCLA	PRD090282757		DELETED FROM THE FINAL NPL			N	18.059439	-66.508889
TRI	EP313	00795CRBGNCARRI	Toxics Release Inventory	Last Reported for 1998			N	18.05943	-66.50888
RCRAInfo	RCRA	PRD090282757	VSQG	Active (H A)			N	18.082162	-66.502732

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110000907957	CARIBE GENERAL ELECTRIC PRODUCT JUANA DI	PR-149 KM 67, JUANA DIAZ, PR 00795	Juana Díaz Municipio
ICIS		36133	CARIBE GENERAL ELECTRIC PRODUCT JUANA DI	CARR 149 KM 67, JUANA DIAZ, PR 00795	Juana Díaz Municipio
SEMS	CERCLA	PRD090282757	GE WIRING DEVICES	KM 67 CARRETERA NO 149, JUANA DIAZ, PR 00795	
TRI	EP313	00795CRBGNCARRI	CARIBE GE PRODS INC	CARRION MADURO FINAL, KM 672, JUANA DIAZ, PR 00795	Juana Díaz Municipio
RCRAInfo	RCRA	PRD090282757	CARIBE GENERAL ELECTRIC PRODUCTS JUANA DIAZ	CARR 149 KM 67, JUANA DIAZ, PR 00665	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00795CRBGNCARRI	3625	Relays And Industrial Controls
TRI	00795CRBGNCARRI	3643	Current-Carrying Wiring Devices

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00795CRBGNCARRI	335931	Current-Carrying Wiring Device Manufacturing
RCRAInfo	PRD090282757	335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
RCRAInfo	PRD090282757	335313	Switchgear and Switchboard Apparatus Manufacturing
RCRAInfo	PRD090282757	335931	Current-Carrying Wiring Device Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy
<<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results
<<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD090282757	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
	RCRA (Source ID: PRD090282757)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 3/1/2025)

Source ID	Waste Description	2022	2023	2024	2025
PRD090282757	Hazardous Waste	350	11	--	--
PRD090282757	Acute Hazardous Waste	0	0	--	--
PRD090282757	Pharmaceutical Hazardous Waste	0	0	--	--

“Pharmaceutical Hazardous Waste” refers to quantities managed under 40 CFR part 266 subpart P and thus excluded from the Hazardous and Acute Hazardous Waste quantities shown above.

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	7,187	Children 5 years and younger	271 (4%)
Population Density	2,313/sq.mi.	Minors 17 years and younger	1,138 (16%)
Housing Units in Area	3,351	Adults 18 years and older	6,048 (84%)
Percent People of Color	100%	Seniors 65 years and older	2,065 (29%)
Households in Area	2,762	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	93	White	1,794 (25%)
Persons With Low Income	5,840	African-American	503 (7%)
Percent With Low Income	81%	Hispanic-Origin	7,180 (100%)
		Asian	0 (0%)

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.059439
Center Longitude	-66.508889
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,135 (41.12%)
\$15,000 - \$25,000	561 (20.33%)
\$25,000 - \$50,000	677 (24.53%)
\$50,000 - \$75,000	291 (10.54%)
Greater than \$75,000	96 (3.48%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Hawaiian/Pacific Islander	0 (0%)
American Indian	4 (0%)
Other/Multiracial	339 (5%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	982 (18.25%)
9th through 12th Grade	580 (10.78%)
High School Diploma	1,564 (29.07%)
Some College/2-year	401 (7.45%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,301 (24.18%)



Detailed Facility Report

Facility Summary

FORT ALLEN TRAINING SITE

PR-149 KM 73.3, JUANA DIAZ, PR 00795

FRS (Facility Registry Service) ID: 110042074965

EPA Region: 02

Latitude: 18.06052

Longitude: -66.509076

Locational Data Source: RCRAINFO

Industries: National Security and International Affairs

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	03/25/2003
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	11
Qtrs with Significant Violation	11
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--
Statute	RCRA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	05/22/2023
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Statute	SDWA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	05/23/2023
Compliance Status	Violation Identified
Qtrs in Noncompliance (of 12)	2
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	4
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Terminated; Compliance Tracking Off (PR0020044), Non-Major, Permit Effective (PRR053284)

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PR6210443077), Inactive Other, (PRD980527071), Active VSQG, (PR6211843077)

Safe Drinking Water Act (SDWA): OWNER: Private, PRIMARY SERVICE AREA DESCRIPTION: Other Residential, SOURCE: Ground water, TYPE: Community water system Permit Active (PR0439024)

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110042074965					N	18.06052	-66.509076
ICIS		33740					N	17.99802	-66.499617
ICIS-NPDES	CWA	PR0020044	Non-Major: NPDES Individual Permit	Terminated; Compliance Tracking Off		09/30/2006	N	18	-66.5
ICIS-NPDES	CWA	PRR053284	Non-Major: General Permit Covered Facility	Effective	Industrial Stormwater	02/28/2026	N	18.007584	-66.506056
RCRAInfo	RCRA	PR6210443077	VSQG	Active (H)			N	18.06052	-66.509076
RCRAInfo	RCRA	PRD980527071	Other	Inactive ()			N		
RCRAInfo	RCRA	PR6211843077	VSQG	Active (H)			N	18.06052	-66.509076
SDWIS	SDWA	PR0439024	OWNER: Private, PRIMARY SERVICE AREA DESCRIPTION: Other Residential, SOURCE: Ground water, TYPE: Community water system	Active	Population Served: 1500		N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110042074965	FORT ALLEN TRAINING SITE	PR-149 KM 73.3, JUANA DIAZ, PR 00795	Juana Díaz Municipio
ICIS		33740	FORT ALLEN TRAINING SITE	STATE ROAD 149 KILOMETER 2, JUANA DIAZ, PR 00795	Juana Díaz Municipio
ICIS-NPDES	CWA	PR0020044	P R NATIONAL GUARD	US NAVAL STATION, PONCE, PR 00731	Ponce Municipio
ICIS-NPDES	CWA	PRR053284	FORT ALLEN TRAINING SITE	ROAD #149, JUANA DIAZ, PR 00795	Juana Díaz Municipio
RCRAInfo	RCRA	PR6210443077	USARC - FORT ALLEN ECS 126-G	STATE RD 149, JUANA DIAZ, PR 00665-1428	Juana Díaz Municipio
RCRAInfo	RCRA	PRD980527071	FORT ALLEN PROCESSING CENTER BLDG 225	FORT ALLEN, PONCE, PR 00731	Ponce Municipio
RCRAInfo	RCRA	PR6211843077	FORT ALLEN TRAINING SITE	STATE RD 149 KM 73.3, JUANA DIAZ, PR 00795	Juana Díaz Municipio
SDWIS	SDWA	PR0439024	GUARDIA NACIONAL DE PR, FORT ALLEN	PR	

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PR0020044	9711	National Security

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PR6211843077	92811	National Security

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

RCRA (Hazardous Waste (Resource Conservation and Recovery Act) Compliance Pipeline (Compliance Monitoring → Violations → Enforcement Actions) (10 Years)

There are no relationships to display in the RCRA Compliance Pipeline table for this facility. Scroll down to view compliance monitoring history.

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
RCRA	PR6210443077	RCRAInfo/ICIS	Inspection/Evaluation	Focused Compliance Inspection	EPA	03/26/2024	No Violations Or Compliance Issues Were Found
RCRA	PR6210443077	RCRAInfo/ICIS	Inspection/Evaluation	Compliance Evaluation Inspection	EPA	05/22/2023	No Violations Or Compliance Issues Were Found
SDWA	PR0439024	ICIS	Inspection/Evaluation	On Site Visit	EPA	05/23/2023	

SDWA (Safe Drinking Water Act) Sanitary Survey Results (5 Years)

Source ID	Date	Type	Agency	Data Verification	Distribution	Management Operation	Finished Water Storage	Operator Compliance	Other Evaluation	Pumps	Security	Source	Financial	Treatment
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Sanitary survey result codes:	<i>S = Significant Deficiencies</i>	No data records returned		
	<i>M = Minor Deficiencies</i>	<i>R = Recommendations Made</i>	<i>X = Not Evaluated</i>	<i>D = Sanitary Defect</i>
		<i>N = No Deficiencies or Recommendations</i>	<i>Z = Not Applicable</i>	<i>-- = Not Reported to EPA</i>

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PR0020044	No	06/30/2025	0	09/19/2025
CWA	PRR053284	No	06/30/2025	11	09/19/2025
RCRA	PR6210443077	No	09/20/2025	0	09/19/2025
RCRA	PRD980527071	No	09/20/2025	0	09/19/2025
RCRA	PR6211843077	No	09/20/2025	0	09/19/2025
SDWA	PR0439024	No	03/31/2025	2	07/22/2025

Three-Year Compliance History by Quarter

Statute	Program/ Pollutant/ Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
CWA (Source ID: PR0020044)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/19/25
	Facility-Level Status	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit
	Quarterly Noncompliance Report History													
CWA (Source ID: PRR053284)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/19/25
	Facility-Level Status	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	Significant/ Category I Noncompliance	No Violation Identified	Undetermined
	Quarterly Noncompliance Report History	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Resolved	
	Late or Missing Discharge Monitoring Report (DMR) Measurements													
	Counts of Late DMR Measurements	4	4	4	4	4		4			4			
	Counts of Missing DMR Measurements						4							

Statute	Program/Pollutant/ Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
	RCRA (Source ID: PR6210443077)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												
	RCRA (Source ID: PR6211843077)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Statute	Program/Pollutant/ Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRD980527071)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
Violation Agency													

Statute	Violation Type/ Category	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13*
SDWA (Source ID: PR0439024)		04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
Facility-Level Status		No Violation	No Violation	No Violation	No Violation	No Violation	No Violation	No Violation	No Violation	No Violation	No Violation	Violation	Violation	In Progress
Category Violation Type														
SDWA	TT (Treatment Technique Violation)	Lead and Copper Rule Revisions										10/17/2024	→	→
SDWA	RPT (Reporting Violation)	Lead and Copper Rule Revisions										10/17/2024	→	→

*Quarter 13 data is voluntarily entered and/or incomplete, and may not form a complete picture for that quarter. Read more <<https://epa.gov/help/reports/dfr-data-dictionary#sdwacomps>> SDWA Compliance Data Last Reported: 03/31/2025

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
SDWA	SDWIS	PR0439024	State Formal Notice of Violation issued	State	03/26/2025
SDWA	SDWIS	PR0439024	State Public Notification requested	State	03/26/2025
SDWA	SDWIS	PR0439024	State Formal Notice of Violation issued	State	05/03/2021
SDWA	SDWIS	PR0439024	State Formal Notice of Violation issued	State	05/03/2021

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

SDWA (Safe Drinking Water Act) Violations and Enforcement Actions (5 Years)

Violations												Enforcement Actions		
Source ID	Noncompliance Period	Violation ID	Federal Rule	Contaminant	Category	Description	Measured Value	State MCL (Maximum Contaminant Level)	Federal MCL (Maximum Contaminant Level)	Status	Date	Category	Description	Agency
PR0439024	10/17/2024 →	7093522	Lead and Copper Rule Revisions	LEAD AND COPPER RULE REVISIONS	RPT	Reporting Violation	--	--	--	Unaddressed				
PR0439024	10/17/2024 →	7093521	Lead and Copper Rule Revisions	LEAD AND COPPER RULE REVISIONS	TT	Treatment Technique Violation	--	--	--	Unaddressed	03/26/2025	Informal	State Public Notification requested	State
											03/26/2025	Informal	State Formal Notice of Violation issued	State
PR0439024	07/01/2020 - 12/31/2020	7093518	Lead and Copper Rule	Lead and Copper Rule	MR	Monitoring and Reporting	--	--	--	Resolved	05/03/2021	Informal	State Formal Notice of Violation issued	State
											12/31/2020	Resolving	State Compliance achieved	State
PR0439024	01/01/2020 - 06/30/2020	7093517	Lead and Copper Rule	Lead and Copper Rule	MR	Monitoring and Reporting	--	--	--	Resolved	05/03/2021	Informal	State Formal Notice of Violation issued	State
											06/30/2020	Resolving	State Compliance achieved	State
PR0439024	01/01/2020 - 06/30/2020	7093515	Lead and Copper Rule	Lead and Copper Rule	MR	Monitoring and Reporting	--	--	--	Resolved	06/30/2020	Resolving	State Compliance achieved	State
											02/12/2020	Informal	State Formal Notice of Violation issued	State
PR0439024	07/01/2019 - 06/30/2020	7093513	Lead and Copper Rule	Lead and Copper Rule	MR	Monitoring and Reporting	--	--	--	Resolved	06/30/2020	Resolving	State Compliance achieved	State
											09/09/2019	Informal	State Formal Notice of Violation issued	State
PR0439024	--	--	--	--	--	--	--	--	--	--	12/05/1997	Informal	State Public Notification issued	EPA
PR0439024	--	--	--	--	--	--	--	--	--	--	11/14/1995	Informal	State Violation/ Reminder Notice	State
PR0439024	--	--	--	--	--	--	--	--	--	--	10/04/1995	Informal	State Violation/ Reminder Notice	State

Violations											Enforcement Actions			
Source ID	Noncompliance Period	Violation ID	Federal Rule	Contaminant	Category	Description	Measured Value	State MCL (Maximum Contaminant Level)	Federal MCL (Maximum Contaminant Level)	Status	Date	Category	Description	Agency
PR0439024	--	--	--	--	--	--	--	--	--	--	06/28/1991	Informal	Federal issued Formal Notice of Violation	EPA
PR0439024	--	--	--	--	--	--	--	--	--	--	03/16/1992	Informal	State Formal Notice of Violation issued	State
PR0439024	--	--	--	--	--	--	--	--	--	--	04/08/1991	Informal	State Formal Notice of Violation issued	State
PR0439024	--	--	--	--	--	--	--	--	--	--	03/15/1991	Informal	State Formal Notice of Violation issued	State
PR0439024	--	--	--	--	--	--	--	--	--	--	03/11/1991	Informal	State Formal Notice of Violation issued	State

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100040318	Coastal Watersheds West and East of Rio Canas mouth	CARIBEAN SEA	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description
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No data records returned

SDWA (Safe Drinking Water Act) Lead and Copper (5 Years)

Source ID	Contaminant	Sample Dates	90th Percentile Sample Concentrations	Action Level	Health-Based Violations
PR0439024	Lead	2023-07-01 - 2023-12-31	.007 mg/L	0.015 mg/L	1
PR0439024	Copper	--	No data records returned.	1.3 mg/L	

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 21/6/2025)

Source ID	Waste Description	2022	2023	2024	2025
PR6210443077	Hazardous Waste	485	325	61	--
PR6210443077	Acute Hazardous Waste	0	0	0	--
PR6210443077	Pharmaceutical Hazardous Waste	0	0	0	--

“Pharmaceutical Hazardous Waste” refers to quantities managed under 40 CFR part 266 subpart P and thus excluded from the Hazardous and Acute Hazardous Waste quantities shown above.

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))	
Total Persons	6,610
Population Density	2,126/sq.mi.
Housing Units in Area	3,106
Percent People of Color	100%
Households in Area	2,549
Households on Public Assistance	82
Persons With Low Income	5,336
Percent With Low Income	81%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.06052
Center Longitude	-66.509076
Total Area	3.121 sq.mi.
Land Area	100%
Water Area	0%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,038 (40.77%)
\$15,000 - \$25,000	509 (19.99%)
\$25,000 - \$50,000	642 (25.22%)
\$50,000 - \$75,000	270 (10.6%)
Greater than \$75,000	87 (3.42%)
Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	239 (4%)
Minors 17 years and younger	1,007 (15%)
Adults 18 years and older	5,603 (85%)
Seniors 65 years and older	1,933 (29%)
Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,666 (25%)
African-American	456 (7%)
Hispanic-Origin	6,603 (100%)
Asian	0 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	4 (0%)
Other/Multiracial	311 (5%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	926 (18.53%)
9th through 12th Grade	523 (10.47%)
High School Diploma	1,458 (29.18%)
Some College/2-year	368 (7.37%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,216 (24.34%)

Project PR-ESP-00144 EPWS elevation

JSON	Datos sin procesar	Cabeceras
Guardar	Copiar	Contraer todo Expandir todo Filtar JSON
▼ location:		
x:	-66.507057	
y:	18.053913	
▼ spatialReference:		
wkid:	4326	
latestWkid:	4326	
locationId:	0	
value:	157.20245283559643	
rasterId:	97296	
resolution:	1	

FORT ALLEN TRAINING SITE., EPQS Elevation

JSON	Datos sin procesar	Cabeceras
Guardar	Copiar	Contraer todo Expandir todo Filtar JSON
▼ location:		
x:	-66.509076	
y:	18.06052	
▼ spatialReference:		
wkid:	4326	
latestWkid:	4326	
locationId:	0	
value:	198.46736611801586	
rasterId:	97296	
resolution:	1	



Detailed Facility Report

Facility Summary

JUANA DIAZ

CALLE DEGETAU #35, JUANA, PR 00795

FRS (Facility Registry Service) ID: 110064646030

EPA Region: 02

Latitude: 18.053499

Longitude: -66.506059

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	04/21/2025
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major; Permit Expired (PRR040064)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110064646030					N	18.053499	-66.506059
ICIS-NPDES	CWA	PRR040064	Non-Major; General Permit Covered Facility	Expired	Urban Stormwater (Small MS4)	06/30/2021	N	18.053499	-66.506059

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110064646030	JUANA DIAZ	CALLE DEGETAU #35, JUANA, PR 00795	Juana Díaz Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
ICIS-NPDES	CWA	PRR040064	JUANA DIAZ	CALLE DEGETAU #35, JUANA, PR 00795	

Facility SIC (Standard Industrial Classification) Codes

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	SIC Code	SIC Description	System	Identifier	NAICS Code	NAICS Description
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No data records returned

No data records returned

Facility Industrial Effluent Guidelines

Facility Tribe Information

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description	Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CWA	PRR040064	ICIS-NPDES	Offsite Record Review	Urban Stormwater (MS4) - Desk Audit	EPA	04/21/2025	

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR040064	No	12/31/2024	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRR040064)		01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Quarterly Noncompliance Report History											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100040313	Rio Jacaguas at mouth	--	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PRSR60A1	RIO JACAGUAS	Impaired - With Restoration Plan	PATHOGENS	Not Assessed	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
No data records returned				

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name
No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR)

DMR and TRI Multi-Year Loading Report

Pollutant Loadings

NPDES ID	Description
No data records returned	

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,909	Children 5 years and younger	359 (4%)
Population Density	2,873/sq.mi.	Minors 17 years and younger	1,503 (17%)
Housing Units in Area	4,081	Adults 18 years and older	7,406 (83%)
Percent People of Color	100%	Seniors 65 years and older	2,424 (27%)
Households in Area	3,398		
Households on Public Assistance	122	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	7,287	White	2,134 (24%)
Percent With Low Income	82%	African-American	621 (7%)
		Hispanic-Origin	8,902 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	5 (0%)
		Other/Multiracial	419 (5%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	1,088 (16.65%)
Center Latitude	18.053499	9th through 12th Grade	728 (11.14%)
Center Longitude	-66.506059	High School Diploma	1,903 (29.12%)
Total Area	--	Some College/2-year	492 (7.53%)
Land Area	99%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,548 (23.69%)
Water Area	1%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,395 (41.04%)		
\$15,000 - \$25,000	736 (21.65%)		
\$25,000 - \$50,000	768 (22.59%)		
\$50,000 - \$75,000	356 (10.47%)		
Greater than \$75,000	144 (4.24%)		



Detailed Facility Report

Facility Summary

JUANA DIAZ STP

PR-149 KM 67.3, JUANA DIAZ, PR 00795

FRS (Facility Registry Service) ID: 110007804215

EPA Region: 02

Latitude: 18.048351

Longitude: -66.508864

Locational Data Source: RCRAINFO

Industries: Utilities

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD000689620)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007804215					N	18.048351	-66.508864
RCRAInfo	RCRA	PRD000689620	Other	Inactive ()			N	18.048351	-66.508864

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007804215	JUANA DIAZ STP	PR-149 KM 67.3, JUANA DIAZ, PR 00795	Juana Díaz Municipio
RCRAInfo	RCRA	PRD000689620	JUANA DIAZ STP	STATE RD 149 KM 67.3, JUANA DIAZ, PR 00665	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRD000689620	22132	Sewage Treatment Facilities

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy
<<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results
<<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD000689620	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD000689620)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,547	Children 5 years and younger	364 (4%)
Population Density	2,758/sq.mi.	Minors 17 years and younger	1,516 (18%)
Housing Units in Area	3,897	Adults 18 years and older	7,032 (82%)
Percent People of Color	100%	Seniors 65 years and older	2,264 (26%)
Households in Area	3,251		
Households on Public Assistance	120	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,989	White	2,006 (23%)
Percent With Low Income	82%	African-American	588 (7%)
		Hispanic-Origin	8,540 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	5 (0%)
		Other/Multiracial	405 (5%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	1,020 (16.4%)
Center Latitude	18.048351	9th through 12th Grade	693 (11.14%)
Center Longitude	-66.508864	High School Diploma	1,816 (29.2%)
Total Area	--	Some College/2-year	470 (7.56%)
Land Area	99%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,473 (23.69%)
Water Area	1%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,315 (40.47%)		
\$15,000 - \$25,000	724 (22.28%)		
\$25,000 - \$50,000	727 (22.38%)		
\$50,000 - \$75,000	313 (9.63%)		
Greater than \$75,000	170 (5.23%)		



Detailed Facility Report

Facility Summary

PRODUCTOS CIRCUITOS DE P R INCORPORATED

PR-149 KM 66.7, JUANA DIAZ, PR 00795

FRS (Facility Registry Service) ID: 110000602768

EPA Region: 02

Latitude: 18.058048

Longitude: -66.510427

Locational Data Source: TRIS

Industries: Computer and Electronic Product Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	03/14/2000
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active Legacy TSDF, VSQG, (PRD091063743)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00665PRDCTKM667

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110000602768					N	18.058048	-66.510427
TRI	EP313	00665PRDCTKM667	Toxics Release Inventory	Last Reported for 1998			N	18.058048	-66.510427
RCRAInfo	RCRA	PRD091063743	Legacy TSDF, VSQG	Active (HPA)			N	18.05776	-66.510875

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110000602768	PRODUCTOS CIRCUITOS DE P R INCORPORATED	PR-149 KM 66.7, JUANA DIAZ, PR 00795	Juana Díaz Municipio
TRI	EP313	00665PRDCTKM667	PRODUCTOS CIRCUITOS DE PR INC	RD 149 KM 667, JUANA DIAZ, PR 00795	Juana Díaz Municipio
RCRAInfo	RCRA	PRD091063743	PRODUCTOS CIRCUITOS DE PR INC	RD 149 KM 66.7, JUANA DIAZ, PR 00665	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00665PRDCTKM667	3672	Printed Circuit Boards

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00665PRDCTKM667	334412	Bare Printed Circuit Board Manufacturing
RCRAInfo	PRD091063743	334419	Other Electronic Component Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy
<<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results
<<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD091063743	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRD091063743)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	7,441	Children 5 years and younger	300 (4%)
Population Density	2,395/sq.mi.	Minors 17 years and younger	1,241 (17%)
Housing Units in Area	3,468	Adults 18 years and older	6,201 (83%)
Percent People of Color	100%	Seniors 65 years and older	2,095 (28%)
Households in Area	2,875	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	107	White	1,842 (25%)
Persons With Low Income	6,115	African-American	514 (7%)
Percent With Low Income	82%	Hispanic-Origin	7,434 (100%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.058048	American Indian	5 (0%)
Center Longitude	-66.510427	Other/Multiracial	353 (5%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	100%	Less than 9th Grade	1,027 (18.62%)
Water Area	0%	9th through 12th Grade	613 (11.12%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,601 (29.03%)
Less than \$15,000	1,201 (41.73%)	Some College/2-year	414 (7.51%)
\$15,000 - \$25,000	585 (20.33%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,313 (23.81%)
\$25,000 - \$50,000	703 (24.43%)		
\$50,000 - \$75,000	291 (10.11%)		
Greater than \$75,000	98 (3.41%)		



Detailed Facility Report

Facility Summary

PRODUCTOS DE AGREGADOS - CANTERA NARANJO

PR 551 KM 2.7 BO TIJERILLAS, JUANA DIAZ, PR 00733

FRS (Facility Registry Service) ID: 110010361688

EPA Region: 02

Latitude: 18.054444

Longitude: -66.500278

Locational Data Source: AIRS/AFS

Industries: Mining (except Oil and Gas)

Indian Country: N

Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	05/10/2016
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): Operating Minor (PR0000007207500004)

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110010361688					N	18.054444	-66.500278
ICIS-Air	CAA	PR0000007207500004	Minor Emissions	Operating	CAANSPS, CAASIP		N	18.054444	-66.500278

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110010361688	PRODUCTOS DE AGREGADOS - CANTERA NARANJO	PR 551 KM 2.7 BO TIJERILLAS, JUANA DIAZ, PR 00733	

System	Statute	Identifier	Facility Name	Facility Address	Facility County
ICIS-Air	CAA	PR0000007207500004	PRODUCTOS DE AGREGADOS - CANTERA NARANJO	PR 551 KM 2.7 BO TIJERILLAS, JUANA DIAZ, PR 00733	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	SIC Code	SIC Description	System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007207500004	3295	Minerals, Ground Or Treated	ICIS-Air	PR0000007207500004	212319	Other Crushed and Broken Stone Mining and Quarrying

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy

<<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results

<<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007207500004	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	
CAA (Source ID: PR0000007207500004)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	HPV History											
	Violation Type	Agency	Programs	Pollutants								

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
No data records returned				

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name
No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,410	Children 5 years and younger	339 (4%)
Population Density	2,710/sq.mi.	Minors 17 years and younger	1,411 (17%)
Housing Units in Area	3,813	Adults 18 years and older	6,998 (83%)
Percent People of Color	100%	Seniors 65 years and older	2,261 (27%)
Households in Area	3,189		
Households on Public Assistance	115	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,821	White	2,095 (25%)
Percent With Low Income	81%	African-American	567 (7%)
		Hispanic-Origin	8,403 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	4 (0%)
		Other/Multiracial	436 (5%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	983 (15.91%)
Center Latitude	18.054444	9th through 12th Grade	647 (10.47%)
Center Longitude	-66.500278	High School Diploma	1,788 (28.95%)
Total Area	--	Some College/2-year	459 (7.43%)
Land Area	99%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,519 (24.59%)
Water Area	1%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,297 (40.67%)		
\$15,000 - \$25,000	706 (22.14%)		
\$25,000 - \$50,000	699 (21.92%)		
\$50,000 - \$75,000	346 (10.85%)		
Greater than \$75,000	141 (4.42%)		



Detailed Facility Report

Facility Summary

QUALITY CLEANERS

DR. VEVE STREET #15, JUANA DIAZ, PR 00000

FRS (Facility Registry Service) ID: 110014362153

EPA Region: 02

Latitude: 18.052286

Longitude: -66.506571

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--
Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): Operating Minor (PR0000007207500009)

Clean Water Act (CWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN008009714)
Safe Drinking Water Act (SDWA): No Information

Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110014362153					N	18.052286	-66.506571
ICIS-Air	CAA	PR0000007207500009	Minor Emissions	Operating	CAAMACT, CAASIP		N	18.052286	-66.506571
RCRAInfo	RCRA	PRN008009714	Other	Inactive ()			N	18.052286	-66.506571

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110014362153	QUALITY CLEANERS	DR. VEVE STREET #15, JUANA DIAZ, PR 00000	
ICIS-Air	CAA	PR0000007207500009	QUALITY CLEANERS	DR. VEVE STREET #15, JUANA DIAZ, PR 00000	Juana Díaz Municipio
RCRAInfo	RCRA	PRN008009714	QUALITY CLEANERS	15 DR SANTIAGO VEVE, JUANA DIAZ, PR 00795	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007207500009	7219	Laundry And Garment Services

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007207500009	999999	

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007207500009	No	05/31/2025	0	05/30/2025
RCRA	PRN008009714	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	
CAA (Source ID: PR0000007207500009)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	HPV History											
	Violation Type	Agency	Programs	Pollutants								

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRN008009714)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,922	Children 5 years and younger	361 (4%)
Population Density	2,877/sq.mi.	Minors 17 years and younger	1,514 (17%)
Housing Units in Area	4,087	Adults 18 years and older	7,407 (83%)
Percent People of Color	100%	Seniors 65 years and older	2,424 (27%)
Households in Area	3,402	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	123	White	2,126 (24%)
Persons With Low Income	7,284		

General Statistics (ACS (American Community Survey))	
Percent With Low Income	82%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.052286
Center Longitude	-66.506571
Total Area	--
Land Area	99%
Water Area	1%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,387 (40.77%)
\$15,000 - \$25,000	738 (21.69%)
\$25,000 - \$50,000	770 (22.63%)
\$50,000 - \$75,000	354 (10.41%)
Greater than \$75,000	153 (4.5%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
African-American	628 (7%)
Hispanic-Origin	8,915 (100%)
Asian	0 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	5 (0%)
Other/Multiracial	420 (5%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	1,081 (16.54%)
9th through 12th Grade	729 (11.16%)
High School Diploma	1,895 (29%)
Some College/2-year	492 (7.53%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,557 (23.83%)



Detailed Facility Report

Facility Summary

R4 ENTERPRISES CORP

STATE RD 1 KM 113.6, JUANA DIAZ, PR 00795

FRS (Facility Registry Service) ID: 110012243811

EPA Region: 02

Latitude: 18.048408

Longitude: -66.505499

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	10/28/2005
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000014860)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110012243811					N	18.048408	-66.505499
RCRAInfo	RCRA	PRR000014860	Other	Inactive ()			N	18.048408	-66.505499

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110012243811	R4 ENTERPRISES CORP	STATE RD 1 KM 113.6, JUANA DIAZ, PR 00795	Juana Díaz Municipio
RCRAInfo	RCRA	PRR000014860	R4 ENTERPRISES CORP	STATE RD 1 KM 113.6, JUANA DIAZ, PR 00795	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000014860	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRR000014860)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,801	Children 5 years and younger	371 (4%)
Population Density	2,840/sq.mi.	Minors 17 years and younger	1,529 (17%)
Housing Units in Area	3,974	Adults 18 years and older	7,273 (83%)
Percent People of Color	100%	Seniors 65 years and older	2,342 (27%)
Households in Area	3,334	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	119	White	2,036 (23%)
Persons With Low Income	7,110	African-American	612 (7%)
Percent With Low Income	81%	Hispanic-Origin	8,794 (100%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.048408	American Indian	5 (0%)
Center Longitude	-66.505499	Other/Multiracial	462 (5%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	99%	Less than 9th Grade	1,007 (15.68%)
Water Area	1%	9th through 12th Grade	679 (10.57%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,871 (29.14%)
Less than \$15,000	1,333 (39.95%)	Some College/2-year	498 (7.76%)
\$15,000 - \$25,000	736 (22.06%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,584 (24.67%)
\$25,000 - \$50,000	748 (22.42%)		
\$50,000 - \$75,000	329 (9.86%)		
Greater than \$75,000	191 (5.72%)		



Detailed Facility Report

Facility Summary

SHELL CO PR LTD SS 0736 GARAGE MARTINEZ
BARBOSA ST, JUANA DIAZ, PR 00795

FRS (Facility Registry Service) ID: 110007818763

EPA Region: 02

Latitude: 18.052222

Longitude: -66.508611

Locational Data Source: ICIS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000005231)
Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details
Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007818763					N	18.052222	-66.508611
ICIS		1400002770					N	18.052222	66.508611
RCRAInfo	RCRA	PRR000005231	Other	Inactive ()			N	18.047662	-66.546869

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007818763	SHELL CO PR LTD SS 0736 GARAGE MARTINEZ	BARBOSA ST, JUANA DIAZ, PR 00795	Juana Díaz Municipio
ICIS		1400002770	SHELL #736 (204201)	BARBOSA ST, JUANA DIAZ, PR 00079	Juana Díaz Municipio
RCRAInfo	RCRA	PRR000005231	SHELL CO PR LTD SS 0736 GARAGE MARTINEZ	BARBOSA ST, JUANA DIAZ, PR 00795	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000005231	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
	RCRA (Source ID: PRR000005231)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
---------	--------	-----------	----------------	-------------	------

No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
---------	--------	-------------	-----------	----------------	----------	-------------	-----------	--------------------	----------------------	-------------------------	--------------------------	-------------------------------	--------------------------	-----------	------------------

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
--	---	---	---------------------------------	--------------------------------------	--	---

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
-------	--------------	--------------------	----------------------	-----------------	-----------------------	--------------------	----------------	----------------------	----------------	-----------

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
-----------	-----------------------------------	---	---------------------------------	---

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,855	Children 5 years and younger	365 (4%)
Population Density	2,856/sq.mi.	Minors 17 years and younger	1,513 (17%)
Housing Units in Area	4,065	Adults 18 years and older	7,339 (83%)
Percent People of Color	100%	Seniors 65 years and older	2,403 (27%)
Households in Area	3,382	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	125	White	2,090 (24%)
Persons With Low Income	7,256	African-American	624 (7%)
Percent With Low Income	82%	Hispanic-Origin	8,848 (100%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.052222	American Indian	5 (0%)
Center Longitude	-66.508611	Other/Multiracial	410 (5%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	99%	Less than 9th Grade	1,094 (16.9%)
Water Area	1%	9th through 12th Grade	735 (11.35%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,876 (28.98%)
Less than \$15,000	1,387 (41.04%)	Some College/2-year	489 (7.55%)
\$15,000 - \$25,000	729 (21.57%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,527 (23.59%)
\$25,000 - \$50,000	772 (22.84%)		
\$50,000 - \$75,000	344 (10.18%)		
Greater than \$75,000	148 (4.38%)		



Detailed Facility Report

Facility Summary

SUPER FARMACIA JUANA DIAZ INC

27 CALLE TOMAS CARRION MADURO, JUANA DIAZ, PR 00795

FRS (Facility Registry Service) ID: 110071140132

EPA Region: 02

Latitude: 18.05481

Longitude: -66.50546

Locational Data Source: FRS

Industries: Health and Personal Care Stores

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000027532)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110071140132					N	18.05481	-66.50546
RCRAInfo	RCRA	PRR000027532	VSQG	Active (H)			N	18.05451	-66.50638

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110071140132	SUPER FARMACIA JUANA DIAZ INC	27 CALLE TOMAS CARRION MADURO, JUANA DIAZ, PR 00795	Juana Díaz Municipio
RCRAInfo	RCRA	PRR000027532	SUPER FARMACIA JUANA DIAZ INC	27 CALLE TOMAS CARRION MADURO, JUANA DIAZ, PR 00795	Juana Díaz Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000027532	446110	Pharmacies and Drug Stores

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in *italics* are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000027532	No	05/31/2025	0	05/30/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRR000027532)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in *italics* are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,872	Children 5 years and younger	355 (4%)
Population Density	2,860/sq.mi.	Minors 17 years and younger	1,488 (17%)
Housing Units in Area	4,064	Adults 18 years and older	7,383 (83%)
Percent People of Color	100%	Seniors 65 years and older	2,419 (27%)
Households in Area	3,381		
Households on Public Assistance	122	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	7,267	White	2,137 (24%)
Percent With Low Income	82%	African-American	610 (7%)
		Hispanic-Origin	8,865 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	5 (0%)
		Other/Multiracial	418 (5%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	1,092 (16.75%)
Center Latitude	18.05481	9th through 12th Grade	721 (11.06%)
Center Longitude	-66.50546	High School Diploma	1,907 (29.25%)
Total Area	--	Some College/2-year	489 (7.5%)
Land Area	99%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,534 (23.53%)
Water Area	1%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,395 (41.26%)		
\$15,000 - \$25,000	733 (21.68%)		
\$25,000 - \$50,000	761 (22.51%)		
\$50,000 - \$75,000	357 (10.56%)		
Greater than \$75,000	135 (3.99%)		

USGS Elevation Point Query Service (EPQS) Data

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{"location":{"x":-66.507057,"y":18.053913,"spatialReference":  
{"wkid":4326,"latestWkid":4326}}, "locationId":0, "value":157.20245283559643, "rasterId":97296, "resolution":1}
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Pretty-print ☐

```
{"location":{"x":-66.509076,"y":18.06052,"spatialReference":  
{"wkid":4326,"latestWkid":4326}}, "locationId":0, "value":198.46736611801586, "rasterId":97296, "resolution":1}
```


2024 Puerto Rico Integrated Report



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES

2024 Puerto Rico 305(b)/303(d) Integrated Report

Plans and Special Projects Division
Water Quality Area



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Puerto Rico 2024 305(b) and 303(d) Integrated Report

EXECUTIVE SUMMARY

To comply with the requirements established in Section 305(b) of the Clean Water Act (CWA), The Puerto Rico Department of Natural and Environmental Resources (PRDNER) performs the required assessment in terms of the current water quality in the different water resources throughout Puerto Rico (PR). This assessment allows us to determine whether these resources comply with the applicable water quality standards and achieve the designated uses. The PRDNER is the local agency responsible for seeking the attainment of the designated uses established in the Puerto Rico Water Quality Standards Regulation (PRWQSR, as amended on August 8, 2022) for the various water resources and is also responsible for the oversight, maintenance, and protection of the quality of these water resources. The designated uses established in the PRWQSR are: Primary Contact Recreation, Secondary Contact Recreation, Propagation, and maintenance of desirable species, including threatened or endangered species (Aquatic Life) and Raw Source of Public Water Supply.

For water bodies that do not meet the applicable standard for a designated use, the Act requires that the state develop control measures for pollutants. These water bodies will form 303(d) List (Appendix I). Control measures should address the problem that caused the non-compliance of the standard for the designated use. Each impairment reflected on the 303(d) List requires a calculation of the maximum amount of the impairing pollutant that a water body can receive and still meet water quality standards. This calculation is called the Total Maximum Daily Load (TMDL). TMDL's include reduction of pollution sources impacting the water body which, when achieved, will result in the attainment of the water quality standard in the impaired water body.

The information considered for the assessment for the water bodies is routine ambient water quality sampling data from various networks, water quality special monitoring projects and existing or secondary data requested to government agencies and non-government entities. This will provide physical, chemical, and biological water quality data from the different water bodies. The PRDNER generates data from four (4) routine monitoring networks. These are: ***Surface Water Monitoring Network, Clean Lakes Monitoring Network, Coastal Monitoring Network and Beach Monitoring and Public Notification Program***. Supplementary information, such as: NPDES compliance evaluation inspections, operation and maintenance inspections and pump station by-passes, implementation of BMPs by non-point sources, fish-kills, or spill events, make possible identified potential pollution sources.

To restore and preserve the designated uses and water quality in our streams, lakes, and coastal shorelines, DNER will coordinate efforts with various government agencies, private enterprise and concerned citizen groups as well as outreach and educational programs, both in communities and through the public media. These promote the incorporation of actions to increase resilience and adaptation to climate change impacts and improve conditions in communities with environmental justice concerns.

In addition, to achieve the restoration and preservation of the water quality in our water bodies, the PRDNER is working with the implementation of the PR Non-Point Sources Management Program (PRNPSMP) and the development of the 2022 – 2032 Clean Water Act 303(d) Long – Term Vision Program.

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- **PRNPSMP** has set the goal to establish the strategies that will mark the progress to achieve and maintain water quality standards and water quality benefits; short term or long terms objectives that are activity-based measures (milestones) were established to accomplishing the program's goal. The milestones associated with each objective may include those of local agencies which are partners in the PRNPSMP. The main goal is to identify non-point sources of pollution of surface waters to prevent and reduce non-point source pollution, such that water quality standards are achieved.
- **2022 – 2032 Clean Water Act 303(d) Long – Term Vision Program** – This document is under development.

In this Cycle, the PRDNER has reviewed the 2024 Integrated Reporting (IR) Memo (*Information Concerning 2024 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions*), for which has specific comments on its content (Appendix II). The Department has already addressed most of the topics included in this Memorandum. The memorandum focuses on the following topics:

- 2022 – 2032 CWA Section 303 (d) Vision
- Clarification Regarding Priority Rankings and Total Maximum Daily Load Submission Schedule
- Environmental Justice
- Participatory Science
- Climate Change
- Indian Tribes and Tribal Water Resources
- CWA Section 303 (d) Assessment / Listing for Trash – Related Impairments
- CWA Section 303 (d) Assessment / Listing for Nutrient – Related Impairment
- Identifying the Pollutants Causing or Expected to Cause and Exceedance of Applicable Water Quality Standards for Water on CWA 303 (d) List

This report constitutes the PR 305(b)/303(d) Integrated Report (IR) for fiscal year 2024. For 2024 cycle there are total of three hundred fifty-eight (358) Assessment Units (AUs), of these one hundred ninety-four (194) are river basins, sixty-two (62) are river estuaries, eighteen (18) are lakes, seventeen (17) lagoons, three (3) are San Juan Bay Estuary System (SJBES) and sixty-four (64) are coastal shoreline.

Rivers & Streams

The water quality assessment for the 2024 cycle indicates that five thousand four hundred three point five (5,403.5) miles of rivers and streams were assessed. For this cycle, two thousand six hundred eighty-nine point five (2,689.5) of river and stream were assessed with water quality monitoring stations. From the evaluation of the water quality data obtained it was found that the impairment for primary and secondary recreation designated uses was due to Enterococci exceeding the standard. For aquatic life and raw source for drinking water designated uses Chromium VI, Total Phosphorus, Turbidity, Temperature and Total Nitrogen were the most

Puerto Rico 2024 305(b) and 303(d) Integrated Report

common causes of impairment. A total of forty-two (42) AU/parameter combination was removed from the 2024 303(d) List.

Lakes (reservoirs)

The water quality assessment for the 2024 cycle indicates that seven thousand three hundred twenty-four (7,324) acres were assessed. At the present time seven thousand two hundred sixty-nine (7,269) acres of lakes have a permanent water quality monitoring station. The primary and secondary recreation designated uses were evaluated as Category 4a, which means that have an approved TMDL for fecal coliform. For aquatic life designated use Dissolved Oxygen, pH and Temperature were the most common causes of impairment. For raw sources for drinking water designated use the most common cause of impairment were Total Phosphorus, Total Nitrogen and Turbidity. One (1) AU/parameter combination was removed from the 2024 303(d) List.

Coastal Waters

The water quality assessment for the 2024 cycle indicates that five hundred forty-six point six three (546.63) coastal miles of PR were assessed. At the present time four hundred seventy-two point five two (472.52) coastal miles have permanent water quality monitoring stations. From the evaluation of the water quality data obtained it was found that the impairment for primary and secondary recreation designated uses was due to Enterococci exceeding the applicable standard. For aquatic life designated use Turbidity, Copper and Temperature were the most common causes of impairment.

Estuaries

The assessment of estuaries corresponds to the lower reaches of the rivers near the coastal shoreline as defined in the PRWQSR. Island wide, there are a total of five point three six zero two (5.3602) square miles (sq. mi.) of river estuaries. For this cycle the river estuaries do not have a permanent water quality monitoring station. The San Juan Bay Estuary System (SJBES) is addressed separately, below.

San Juan Bay Estuary System

The SJBES is the only estuary identified as a separate basin due to its complex composition and interrelation of streams, lagoons, channels, and closed bay. The five (5) basins included in the overall drainage area of the SJBES are Caño Martin Peña, Quebrada Juan Méndez, Quebrada San Antón, Río Piedras and Quebrada Blasina. The SJBES it consists of three (3) AU with twenty-six (26) monitoring stations of the San Juan Bay Estuary Program.

For SJBES the water quality assessment for the 2024 cycle indicates that the three point eight three four zero (3.8340) sq. mi. and eighteen point eight (18.8) miles were assessed with water quality monitoring stations. From the evaluation of the water quality data obtained it was found that the impairment for the primary and secondary recreation designated uses was due to Enterococci exceeding the standard. Among the most important causes of impairment for aquatic life designated uses were Chromium VI, Dissolved Oxygen, Oil and Grease, pH, Temperature,

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Total Nitrogen, Total Phosphorus and Turbidity. A total of three (3) AU/parameter combinations were removed from the 2024 303(d) List.

PART A. Background

1.0 Total Waters

Is the goal of the PRDNER to preserve, maintain and enhance the quality of the water of PR to protect the designated uses and threatened and endangered species, among other responsibilities.

This report constitutes the Puerto Rico (PR) 305(b)/303(d) Integrated Report (IR) for the fiscal year 2024. For the 2024 cycle, there are a total of three hundred fifty-eight (358) Assessment Units (AU), of these one hundred ninety-four (194) are river basins (See Figure 1), sixty-two (62) are river estuaries, eighteen (18) are lakes (See Figure 2), seventeen (17) lagoons, three (3) are San Juan Bay Estuary System (SJBES) and sixty-four (64) are coastal shoreline. (See Figure 3).



Figure 1: Watersheds in Puerto Rico

PRDNER groups all the river basins in four hydrographic regions, in which the different watersheds are included: to the north (9 watersheds), east (28 watersheds), south (33 watersheds), and west (26 watersheds).

The reservoirs in PR, constructed in the main rivers basins to store water for domestic and industrial consumption, irrigation, production of electrical power and control of floods, also provide an additional benefit, recreation (Figure 2). The recreational activities performed in the reservoirs include direct contact (swimming) and indirect contact (recreational fishing and strolls in boats).

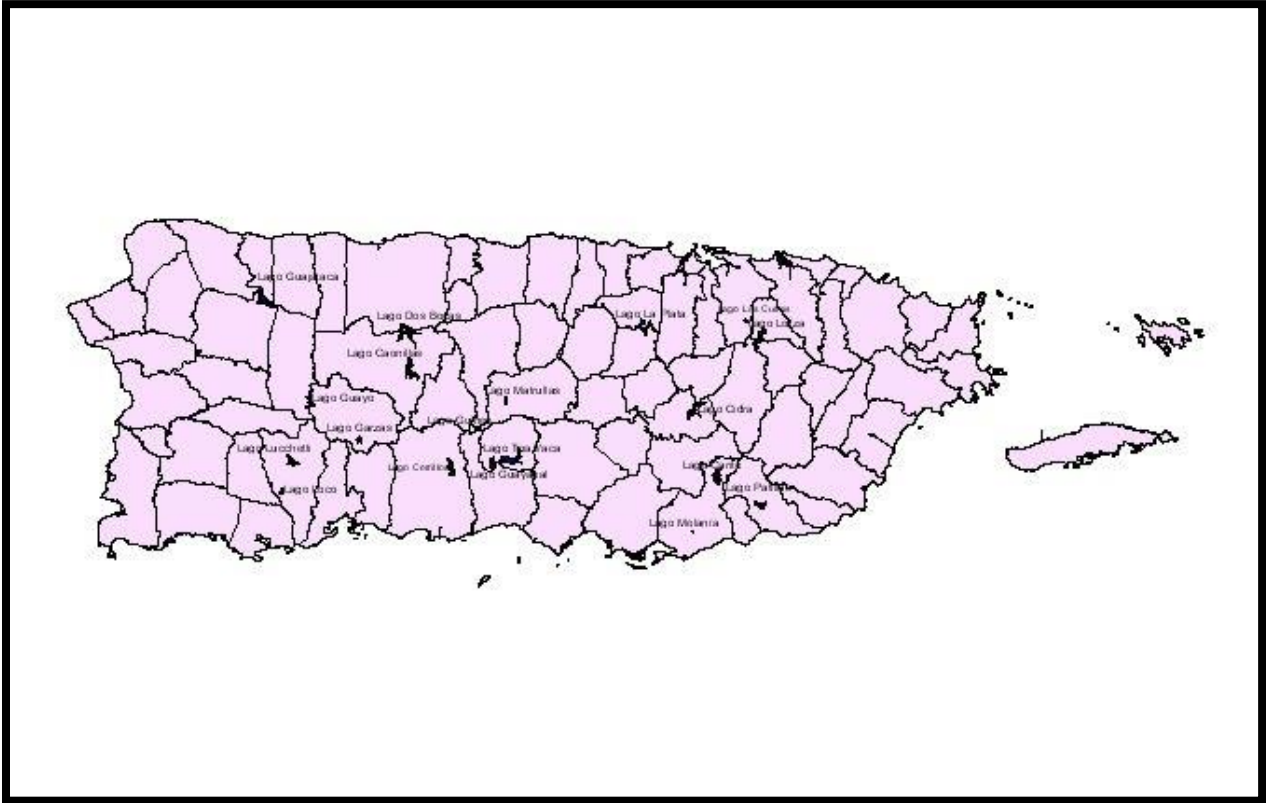


Figure 2: Reservoirs in Puerto Rico

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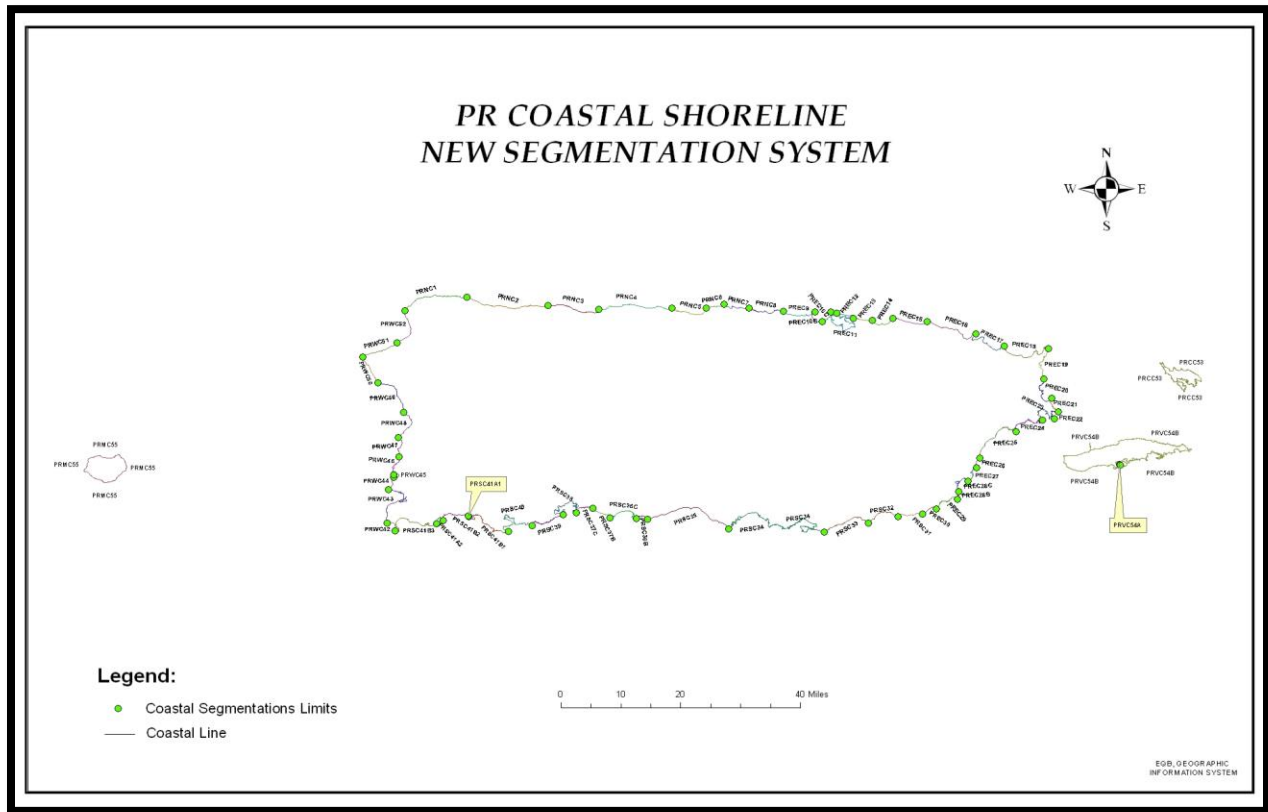


Figure 3: Puerto Rico Coastal Shoreline Segmentation System

The coastal shoreline presents a great variety of geologic aspects such as: cliffs, dunes, beaches, wooded hills, sinkhole, forests, lagoons, mangrove, salt mines, earth flooding, bays, small barren islands, and keys, which altogether give the characteristics and specific form to the archipelago. The coastal zone is one of the areas of greater tourist-recreational value and the areas bordering to the coasts constitute very active zones of economic and social development, where it undergoes a fast growth of population and an active commercial and industrial growth.

2.0 Water Quality Area

The PRDNER Water Quality Area (WQA) is the area responsible for preparing the Integrated Water Quality Monitoring and Assessment Report (Integrated Report) to comply with sections 303(d) and 305(b) of the Clean Water Act. The WQA is organized as follows (Figure 4).

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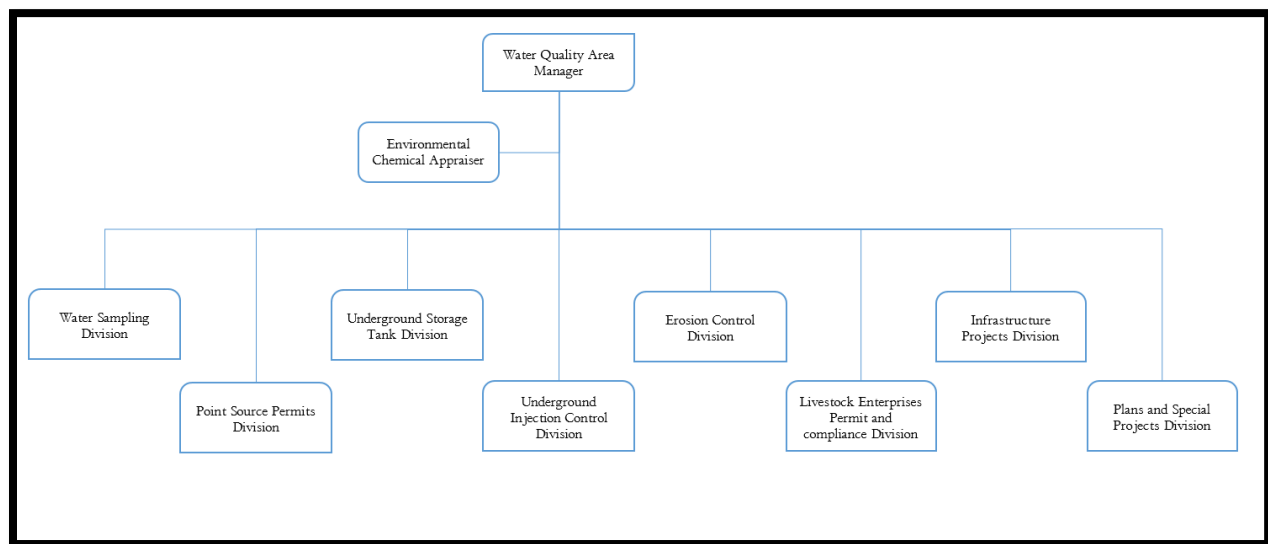


Figure 4: Water Quality Area Organization Chart

Below is an overview of the WQA divisions and their respective responsibilities.

Plans and Special Projects Division manages and evaluates the monitored water quality data to determine if the desirable water quality in the different hydric resources from the country is achieved. Plans and Special Projects Division develops the 305(b)/303(d) Integrated Report as required by Clean Water Act. It includes the water quality evaluation for rivers, streams, coastal, lakes, lagoons, estuary, and groundwater of the island. Also, verifies the effectiveness of the management and control programs implemented and develops the strategies for the improvement of the water quality, as required by the CWA and the PRWQSR. Those strategies include implementation of the TMDL for the impaired water bodies, the Wellhead Protection Program, Non-Point Sources Management Program and PR Unified Watershed Assessment and Restoration Activities. Also consistent with the new EPA's vision, this Division will have the responsibility for implementing the CWA Section 303(d) Program – *A long-term Vision for Assessment, Restoration, and Protection under the Clean Water Act Section 303(d) Program*. This 2022 – 2032 long-term Vision is under development. Other responsibility is the evaluation, preparation and coordination with the Quality Assurance Control Officer of the Water Quality Area and the Division of Environmental Science and Assessment of the USEPA Region II in all sampling and analytical activities that are subjected to a Water Quality Assurance Program Plan. The Beach Monitoring and Public Notification Program is also managed under this Division.

The **Underground Injection Control Division** was created to regulate/control the facilities with underground injection system (UIS) and respond to the wastewater releases or escapes from these systems that could be affecting the underground water resource. To control these types of systems, permits and authorizations are issued, sampling monitoring reports are evaluated, and remedial plans are required for those where the bad operation of the systems has caused spills to the water or to the subsoil. The USEPA, through a memorandum of understanding delegated the pursuit of UIS to PRDNER.

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The **Point Source Permit Division** (PSPD) regulates wastewater treatment systems that do not have direct discharges to surface and coastal waters. The discharge of pollutants to surface and coastal waters is regulated by the National Discharge Elimination System (NPDES) under Section 402 of the CWA. This is a program administered by the USEPA. Section 401 of the Act, as amended requires USEPA that prior to issuing a discharge permit under NPDES a Water Quality Certificate must be obtained from a state agency with jurisdiction over water pollution control. In PR, such responsibility is also, on PRDNER specifically to the PSPD.

The **Underground Storage Tanks Division** (UST) was created to regulate/control the UST facilities and respond to leaking tanks that could be affecting the underground water resources. To control this type of system, permits and authorizations are issued, sampling monitoring reports are evaluated, and remedial plans are required for those where the bad operations of the systems have caused spills to the water or to the subsoil. USEPA, through a memorandum of understanding delegated the pursuit of UST to PRDNER.

The **Erosion Control Division** implements and manages the Erosion Control and Sedimentation Prevention Regulation, which performs enforcement actions to the facilities regulated under the General Permit. The division is responsible to perform inspections of all the permitted projects and presenting them to PRDNER to verify compliance with the permit granted and take corrective action or legal action if needed. The way to grant this permit was changed, to increase the oversight of the project and verify compliance with regulations.

The **Infrastructure Projects Division** has the responsibility of managing the federal funds assigned by USEPA through the State Revolving Fund program. Also, assess the planning, design, and construction phases of each project to verify compliance with Title VI of the CWA.

The CWSRF program maintains revolving loan funds to provide independent and permanent sources of low-cost financing for a wide range of water quality infrastructure projects including all types of NPS, watershed protection or restoration, and estuary management projects, as well as municipal wastewater treatment projects. The program allows the flexibility to target resources to the state's particular environmental needs. Also, it allows the flexibility to customize the loan terms to meet the needs of small and disadvantaged communities.

The **Livestock Permit and Compliance Division** performs inspections, evaluates, and approve the Animal Waste Management Plans that submit livestock enterprises such as: dairy facilities, poultry facilities, horse farms, among others. Through the approved *Reglamento para el Control de los Desperdicios Fecales de Animales en Confinamiento* (January 2009), this Division regulate the procedures, requirements, and prohibitions with respect to the design, implementation, operation, and maintenance of the Animal Waste Management Plan for each facility where animal in confinement stay.

The **Water Sampling Division** as part of their responsibilities must perform the sampling of the surface, coastal, underground waters, lakes, and sampling projects in some watersheds in PR.

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Following a summary of Actions Initiated by Point and Non-Point Source Control Units (Table 1 and Table 2).

Table 1: Actions Initiated Point Sources Control Units

Actions	NPDES Facilities	UST	UIC	Non-Filer (Illegal Discharges)
Certificates or permits Issued		1,621	136	-
Permits of operation	-	348	166	-
Total number of inspections		653	130	182
Referrals to Legal Affairs	-	77	15	16
Notification of violation	-	374	158	142
Administrative Orders	-	-	10	-
Consent Orders	-	-	-	-

Table 2: Actions Initiated Non-Point Sources Control Units

Actions	SEC Activities	Livestock Enterprises
Certificates or permits Issued	306	156
Total number of inspections	368	534
Referrals to Legal Affairs	6	5
Notification of violation	307	180
Administrative Orders	4	4

3.0 Cost/Benefit Assessment

Accurate costs associated with water quality improvements in PR are not readily available. This type of assessment would require diverse data on government and private expenditures concerning multiple aspects of direct environmental improvement efforts, including installation of treatment methods, changes and improvements in treatment levels, technologies and methods, installation and improvements of sewerage and storm water sewer systems, development, and implementation costs of best management practices, as well as urban, rural and industrial development improvements. Other necessary information would include increased use and/or demand of the improved environmental resource as well as the monitoring and assessment efforts and activities performed to measure the improvements or lack of improvements achieved in each basin or regional area.

Although this information is not readily available, we do provide some of the costs involved in efforts pertaining to water quality improvement and protection. These costs are only those incurred directly by PRDNER utilizing state and federal funds to operate and manage water quality planning and control programs. Another cost, such as sanitary infrastructure improvements, governmental and private sector expenditures on waste and storm water management and control programs, recreational benefits (including tourism promotional activities and costs), governmental and private expenditures to promote natural resources protection, preservation and enjoyment are not being considered.

The major costs incurred with federal and state funds to operate environmental protection and planning activities in the WQA are show in Table 3 thru Table 7.

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Table 3: Federal and State Funds (US dollars)

Categories	Performance Partnership Grant (PPG)				Beach Monitoring and Public Notification Program	
	2022		2023		2022	2023
	Federal	State	Federal	State	Federal	Federal
Salaries	1,497,777	320,858	2,007,383	390,780	171,426	178,824
Fringe Benefits	240,102	51,434	326,876	63,634	28,275	29,267
Travel	31,000	6,641	31,000	6,035	9,000	7,000
Equipment	107,064	22,936	107,064	20,842	-	-
Supplies	155,000	33,205	155,000	30,174	36,500	36,500
Contractual	746,049	139,877	282,500	54,994	-	-
Construction	-	-	-	-	-	-
Others	87,631	18,771	79,125	15,404	21,341	21,663

Table 4: Federal and State Funds (Cont.)

Categories	Water Quality Management 604(B)		State Revolving Fund (SRF)			
	2022	2023	2022		2023	
	Federal	Federal	Federal	State	Federal	State
Salaries	63,656	65,458	343,960	68,808	124,258	24,857
Fringe Benefits	10,513	10,802	56,450	11,293	19,009	3,803
Travel	250	250	1,667	333	2,500	500
Equipment	-	-	1,333	267	1,333	267
Supplies	4,500	4,500	1,667	333	3,333	667
Contractual	51,600	295,600	44,582	8,918	60,000	10,002
Construction	-	-	-	-	-	-
Others	1,255	1,230	14,521,817	2,904,338	9,506,432	1,903,274

Table 5: Federal and State Funds (Cont.)

Categories	SRF - BIL				SRF - Emerging		SRF - OSG	
	2022		2023		2022	2023	2022	2023
	Federal	State	Federal	State	Federal	Federal	Federal	State
Salaries	385,017	38,502	312,845	31,285	-	-	-	-
Fringe Benefits	62,972	6,297	47,873	4,787	-	-	-	-
Travel	3,636	364	4,545	455	-	-	-	-
Equipment	2,909	291	4,363	437	-	-	-	-
Supplies	5,942	594	5,364	536	-	-	-	-
Contractual	117,727	11,773	272,727	27,273	-	-	663,000	165,750
Construction	-	-	-	-	-	-	-	-
Others	22,425,870	2,242,586	26,369,250	2,636,924	1,220,000	2,773,000	-	-

Table 6: Federal and State Funds (Cont.)

Categories	LUST - Corrective				UST - Preventive				UST- Hurricane Relief			
	2022		2023		2022		2023		2022		2023	
	Federal	State	Federal	State	Federal	State	Federal	State	Federal	State	Federal	State
Salaries	248,231	27,582	248,231	27,582	193,104	64,368	193,104	64,368	53,035	5,893	53,035	5,893
Fringe Benefits	40,160	4,462	40,160	4,462	31,765	10,589	31,765	10,589	8,543	949	8,543	949
Travel	5,600	622	5,600	622	5,600	1,867	5,600	1,867	500	56	500	56

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Categories	LUST - Corrective				UST - Preventive				UST- Hurricane Relief			
	2022		2023		2022		2023		2022		2023	
	Federal	State	Federal	State	Federal	State	Federal	State	Federal	State	Federal	State
Equipment	-	-	-	-	-	-	-	-	12,600	1,400	12,600	1,400
Supplies	10,000	1,112	10,000	1,112	7,500	2,500	7,500	2,500	2,000	222	2,000	222
Contractual	-	-	-	-	-	-	-	-	602,347	66,927	602,347	66,927
Construction	-	-	-	-	-	-	-	-	-	-	-	-
Others	5,500	611	5,500	611	13,000	4,334	13,000	4,334	2,440	271	2,440	271

Table 7: Total Federal and State Funds

Summary of Federal and State Funds	
Federal	88,752,212
State	11,668,630
Total	100,420,842

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4.0 Special State Concerns and Recommendations

[RESERVED]

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PART B. Assessment Methodology Used for 305(b)/303(d) Integrated Report for 2024 Cycle and Assessment Results

1.0 Assessment Units (AU)

This report constitutes the PR 305(b)/303(d) Integrated Report (IR) for fiscal year 2024. For 2024 cycle there are total of three hundred fifty-eight (358) AU, of these one hundred ninety-four (194) are river basins, sixty-two (62) are river estuaries, eighteen (18) are lakes, seventeen (17) lagoons, three (3) are San Juan Bay Estuary System and sixty-four (64) are coastal shoreline.

1.1 Assessment Unit for Inland Waters

The PRDNER uses the river basins system for planning activities and implementation of restoration efforts. Under this system, each main river is divided into AUs that consist of complete sub-basins. The smaller river basins have been maintained as a single AU or, for the most, it may be segmented in two.

Each AU generally consists of one of the following:

- A section of the main basin, with the corresponding minor first order tributaries.
- Sub-basin represented by major first order tributary (a river or stream that flows directly into main basin), second order tributary (a river or stream that flows into a first order tributary), and in some cases, third order tributary (a river or stream that flows into a second order tributary).
- In cases where either the main basin or any major tributary includes a lake (reservoir), the lake constitutes another AU. The AU includes the lake (from the dam up to the highest reach that defines the lake) and all the immediate minor tributaries that discharge directly to the lake.

The Table 8 provides basic information pertaining to the ninety-six (96) basins. For 2022 cycle there is a total of two hundred - fifteen (215) AU: of these one hundred ninety-four (194) AU are river basins, eighteen (18) AU are lakes. And three (3) AU are of San Juan Bay Estuary System.

Table 8: Basins for the Inland Waters Segmentation System

BASIN NAME	BASIN ID	BASIN SIZE (miles)	REGION	SUB-BASIN
QUEBRADA DE LOS CEDROS	PRNQ1A	12.0	N	1
QUEBRADA DEL TORO	PRNQ2A	1.0	N	1
RÍO GUAJATACA*	PRNR3A	38.0	N	4
QUEBRADA BELLACA	PRNQ4A	1.7	N	1
RÍO CAMUY	PRNR5A	48.6	N	1
QUEBRADA SECA	PRNQ6A	2.0	N	1
RÍO GRANDE DE ARECIBO*	PRNR7A	424.6	N	12
RÍO GRANDE DE MANATÍ*	PRNR8A	234.6	N	11
RÍO CIBUCO*	PRNR9A	144.6	N	6
RÍO DE LA PLATA*	PRER10A	470.1	E	18
RÍO HONDO	PRER11A	22.0	E	1
RÍO BAYAMÓN*	PRER12A	185.0	E	5
SAN JUAN BAY ESTUARY SYSTEM*	PREE13A	3.8340 sq.mi., 18.8 miles	E	3
RÍO GRANDE DE LOIZA*	PRER14A	554.3	E	15
RÍO HERRERA	PRER15A	17.0	E	1
RÍO ESPÍRITU SANTO*	PRER16A	58.4	E	2

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BASIN NAME	BASIN ID	BASIN SIZE (miles)	REGION	SUB-BASIN
RÍO MAMEYES	PRER17A	38.9	E	2
QUEBRADA MATA DE PLÁTANO	PREQ18A	4.0	E	1
RÍO SABANA	PRER19A	33.1	E	2
RÍO JUAN MARTÍN	PRER20A	7.8	E	1
QUEBRADA FAJARDO	PREQ21A	10.0	E	1
RÍO FAJARDO*	PRER22A	59.0	E	1
RÍO DEMAJAGUA	PRER23A	2.8	E	1
QUEBRADA CEIBA	PREQ24A	5.0	E	1
QUEBRADA AGUAS CLARAS	PREQ25A	4.8	E	1
RÍO DAGUAO	PRER26A	13.8	E	1
QUEBRADA PALMA	PREQ27A	11.8	E	1
QUEBRADA BOTIJAS	PREQ28A	7.4	E	1
RÍO SANTIAGO	PRER29A	15.3	E	2
RÍO BLANCO	PRER30A	58.4	E	2
RÍO ANTÓN RUIZ	PRER31A	20.4	E	2
QUEBRADA FRONTERA	PREQ32A	8.5	E	1
RÍO HUMACAO*	PRER33A	55.8	E	1
RÍO CANDELERO	PRER34A	10.4	E	1
RÍO GUAYANÉS*	PRER35A	94.6	E	2
QUEBRADA EMAJAGUA	PREQ36A	2.5	E	1
RÍO MAUNABO*	PRER37A	36.0	E	1
QUEBRADA MANGLILLO	PRSQ38A	1.0	S	1
QUEBRADA FLORIDA	PRSQ39A	3.0	S	1
RÍO JACABOA	PRSR40A	13.0	S	1
QUEBRADA PALENQUE	PRSQ41A	1.0	S	1
RÍO CHICO	PRSR42A	14.6	S	1
RÍO GRANDE DE PATILLAS*	PRSR43A	48.6	S	4
QUEBRADA YAUREL	PRSQ44A	6.0	S	1
RÍO NIGUAS – ARROYO	PRSR45A	21.0	S	1
QUEBRADA SALADA	PRSQ46A	1.7	S	1
QUEBRADA CORAZÓN	PRSQ47A	9.7	S	1
QUEBRADA BRANDERI	PRSQ48A	4.5	S	1
RÍO GUAMANÍ	PRSR49A	22.0	S	1
QUEBRADA MELANÍA	PRSQ50A	7.0	S	2
RÍO SECO	PRSR51A	24.7	S	1
QUEBRADA AMORÓS	PRSQ52A	0.7	S	1
QUEBRADA AGUAS VERDES	PRSQ53A	15.0	S	1
RÍO NIGUAS – SALINAS	PRSR54A	102.5	S	1
RÍO JUEYES	PRSR55A	11.0	S	1
RÍO CAYURES	PRSR56A	5.0	S	1
RÍO COAMO*	PRSR57A	115.7	S	3
RÍO DESCALABRADO	PRSR58A	18.8	S	1
RÍO CAÑAS	PRSR59A	8.0	S	1
RÍO JACAGUAS	PRSR60A	89.5	S	4
RÍO INABÓN	PRSR61A	66.7	S	1
RÍO BUCANÁ – CERRILLOS*	PRSR62A	60.4	S	3
RÍO PORTUGUÉS*	PRSR63A	54	S	1
RÍO MATILDE - PASTILLO	PRSR64A	51.2	S	2
RÍO TALLABOA	PRSR65A	59.6	S	1
RÍO MACANÁ	PRSR66A	21.7	S	1
RÍO GUAYANILLA*	PRSR67A	60.0	S	1
RÍO YAUCO	PRSR68A	93.7	S	3
RÍO LOCO	PRSR69A	113.4	S	3
RÍO ARROYO CAJÚL	PRSR70A	7.4	S	1

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BASIN NAME	BASIN ID	BASIN SIZE (miles)	REGION	SUB-BASIN
QUEBRADA BOQUERÓN	PRWQ71A	11.7	W	1
QUEBRADA ZUMBÓN	PRWQ72A	1.7	W	1
QUEBRADA GONZÁLEZ	PRWQ73A	1.8	W	1
QUEBRADA LOS PAJARITOS	PRWQ74A	2.7	W	1
CAÑO CONDE ÁVILA	PRWK75A	4.0	W	1
QUEBRADA IRIZARRY	PRWK76A	2.0	W	1
RÍO GUANAJIBO*	PRWR77A	324.6	W	9
CAÑO MERLE	PRWK78A	11.1	W	2
RÍO YAGÜEZ*	PRWR79A	42.2	W	1
QUEBRADA DEL ORO	PRWQ80A	10.0	W	1
CAÑO MANÍ	PRWK81A	3.0	W	1
CAÑO BOQUILLA	PRWK82A	12.3	W	3
RÍO GRANDE DE AÑASCO*	PRWR83A	488.6	W	10
QUEBRADA JUSTO	PRWQ84A	1.0	W	1
QUEBRADA ICACOS	PRWQ85A	1.4	W	1
QUEBRADA CAGUABO	PRWQ86A	1.0	W	1
CAÑO GARCÍA	PRWK87A	2.0	W	1
QUEBRADA GRANDE DE CALVACHE	PRWQ88A	14.8	W	1
QUEBRADA LOS RAMOS	PRWQ89A	6.9	W	1
QUEBRADA PUNTA ENSENADA	PRWQ90A	5.0	W	1
QUEBRADA PILETAS	PRWQ91A	2.0	W	1
RÍO GRANDE	PRWR92A	21.8	W	1
CAÑO DE SANTI PONCE	PRWK93A	4.8	W	1
RÍO GUAYABO	PRWR94A	43.1	W	1
RÍO CULEBRINAS*	PRWR95A	308.8	W	11
CAÑO CORAZONES	PRWK96A	1.3	W	1

* Basins with permanent monitoring stations

Of the one hundred ninety-four (194) river basin AUs, forty-nine (49) AUs are monitored routinely. Also, two (2) of the three (3) SJBES AUs are monitored routinely, for a total of fifty-one (51) AUs with monitoring stations (Table 9). One hundred forty-five (145) river basin AUs do not have monitoring stations (Table 10).

Table 9: The 51 AUs with monitoring stations

AU NAME	AU ID
RÍO GUAJATACA	PRNR3A1
RÍO GUAJATACA	PRNR3A2
RÍO GRANDE DE ARECIBO	PRNR7A1
RÍO GRANDE DE ARECIBO	PRNR7A2
RÍO GRANDE DE ARECIBO	PRNR7A3
RÍO CAONILLAS	PRNR7C1
RÍO LIMÓN	PRNR7C2
RÍO YUNES	PRNR7C3
RÍO TANAMÁ	PRNR7B2
RÍO GRANDE DE MANATI	PRNR8A1
RÍO GRANDE DE MANATI	PRNR8A2
RÍO CIALITO	PRNR8B
RÍO OROCOVIS	PRNR8E1
RÍO CIBUCO	PRNR9A
RÍO DE LA PLATA	PRER10A1
RÍO DE LA PLATA	PRER10A3

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AU NAME	AU ID
RÍO DE LA PLATA	PRER10A4
RÍO DE LA PLATA	PRER10A5
RÍO GUADIANA	PRER10E
RÍO ARROYATA	PRER10G
RÍO MATÓN	PRER10J
RÍO BAYAMÓN	PRER12A1
RÍO BAYAMÓN	PRER12A2
RÍO GUAYNABO	PRER12B
SAN JUAN BAY ESTUARY SYSTEM	PREE13A2
SAN JUAN BAY ESTUARY SYSTEM	PREE13A3
RÍO GRANDE DE LOIZA	PRER14A1
RÍO GRANDE DE LOIZA	PRER14A2
RÍO GURABO	PRER14G1
RÍO VALENCIANO	PRER14G2
RÍO BAIROA	PRER14H
RÍO CAGÜITAS	PRER14I
RÍO TURABO	PRER14J
RÍO CAYAGUAS	PRER14K
RÍO ESPÍRITU SANTO	PRER16A
RÍO FAJARDO	PRER22A
RÍO HUMACAO	PRER33A
RÍO GUAYANÉS	PRER35A
RÍO MAUNABO	PRER37A
RÍO GRANDE DE PATILLAS	PRSR43A2
RÍO COAMO	PRSR57A2
RÍO BUCANÁ – CERRILLOS	PRSR62A1
RÍO BUCANÁ – CERRILLOS	PRSR62A2
RÍO PORTUGUÉS	PRSR63A
RÍO GUAYANILLA	PRSR67A
RÍO GUANAJIBO	PRWR77A
RÍO ROSARIO	PRWR77C
RÍO VIEJO	PRWR77D
RÍO YAGÜEZ	PRWR79A
RÍO GRANDE DE AÑASCO	PRWR83A
RÍO CULEBRINAS	PRWR95A

Table 10: The 145 AUs without monitoring stations

AU NAME	AU ID
QUEBRADA DE LOS CEDROS	PRNQ1A
QUEBRADA DEL TORO	PRNQ2A
QUEBRADA LAS SEQUÍAS	PRNQ3B
QUEBRADA BELLACA	PRNQ4A
RÍO CAMUY	PRNR5A
QUEBRADA SECA	PRNQ6A
RÍO SANTIAGO	PRNR7A1a
RÍO TANAMÁ	PRNR7B1
RÍO GRANDE DE MANATÍ	PRNR8A3
RÍO TORO NEGRO	PRNR8C1
RÍO BAUTA	PRNR8C2
RÍO SANA MUERTOS	PRNR8D

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AU NAME	AU ID
RÍO BOTIJAS	PRER8E2
RÍO INDIO	PRNR9B1
RÍO MOROVIS	PRNR9B2
RÍO UNIBÓN	PRNR9B3
RÍO MAVILLAS	PRNR9C
RÍO DE LOS NEGROS	PRNR9D
RÍO DE LA PLATA	PRER10A2
RÍO LAJAS	PRER10B
RÍO BUCARABONES	PRER10C
RÍO CAÑAS	PRER10D
RÍO CUESTA ARRIBA	PRER10F
RÍO HONDO	PRER10H
RÍO USABÓN	PRER10I1
RÍO AIBONITO	PRER10I2
RÍO GUAVATE	PRER10K
RÍO HONDO	PRER11A
RÍO MINILLAS	PRER12C
RÍO CANÓVANAS	PRER14B
RÍO CANOVANILLAS	PRER14C
QUEBRADA MARACUTO	PRER14D
QUEBRADA GRANDE	PREQ14E
RÍO CAÑAS	PRER14F
RÍO EMAJAGUA	PRER14L
RÍO HERRERA	PRER15A
RÍO ESPÍRITU SANTO	PRER16A1
RÍO MAMEYES	PRER17A
RÍO MAMEYES	PRER17A1
QUEBRADA MATA DE PLÁTANO	PREQ18A
RÍO SÁBANA	PRER19A
RÍO SÁBANA	PRER19A1
RÍO JUAN MARTÍN	PRER20A
QUEBRADA FAJARDO	PREQ21A
RÍO DEMAJAGUA	PRER23A
QUEBRADA CEIBA	PREQ24A
QUEBRADA AGUAS CLARAS	PREQ25A
RÍO DAGUAO	PRER26A
QUEBRADA PALMA	PREQ27A
QUEBRADA BOTIJAS	PREQ28A
RÍO SANTIAGO	PRER29A
RÍO SANTIAGO	PRER29A1
RÍO BLANCO	PRER30A
QUEBRADA PEÑA POBRE	PREQ30B
RÍO ANTÓN RUIZ	PRER31A
QUEBRADA MULAS	PREQ31A1
QUEBRADA FRONTERA	PREQ32A
RÍO CANDELERO	PRER34A
RÍO INGENIO	PRER35A1
QUEBRADA EMAJAGUA	PREQ36A
QUEBRADA MANGLILLO	PRSQ38A
QUEBRADA FLORIDA*	PRSQ39A
RÍO JACABOA	PRSR40A
QUEBRADA PALENQUE	PRSQ41A
RÍO CHICO	PRSR42A
RÍO GRANDE DE PATILLAS	PRSR43A1
RÍO MARÍN	PRSR43B

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AU NAME	AU ID
QUEBRADA YAUREL	PRSQ44A
RÍO NIGUAS DE ARROYO	PRSR45A
QUEBRADA SALADA	PRSQ46A
QUEBRADA CORAZÓN	PRSQ47A
QUEBRADA BRANDERI	PRSQ48A
RÍO GUAMANÍ	PRSR49A
QUEBRADA MELANÍA	PRSQ50A
RÍO SECO	PRSR51A
QUEBRADA AMORÓS	PRSQ52A
QUEBRADA AGUAS VERDES	PRSQ53A
RÍO NIGUAS DE SALINAS	PRSR54A
RÍO JUEYES	PRSR55A
RÍO CAYURES	PRSR56A
RÍO COAMO	PRSR57A1
RÍO CUYÓN	PRSR57B
RÍO DESCALABRADO	PRSR58A
RÍO CAÑAS	PRSR59A
RÍO JACAGUAS	PRSR60A1
RÍO JACAGUAS	PRSR60A2
RÍO INABÓN	PRSR61A
RÍO MATILDE-PASTILLO	PRSR64A
QUEBRADA DEL AGUA	PRSQ64A1
RÍO TALLABOA	PRSR65A
RÍO MACANÁ	PRSR66A
RÍO YAUCO	PRSR68A1
RÍO YAUCO	PRSR68A2
RÍO LOCO	PRSR69A2
RÍO LOCO	PRSR69A1
RÍO ARROYO CAJÚL	PRSR70A
QUEBRADA BOQUERÓN	PRWQ71A
QUEBRADA ZUMBÓN	PRWQ72A
QUEBRADA GONZÁLEZ	PRWQ73A
QUEBRADA LOS PAJARITOS	PRWQ74A
CAÑO CONDE ÁVILA	PRWK75A
QUEBRADA IRIZARRY	PRWQ76A
RÍO HONDO	PRWR77B
RÍO DUEY Y RÍO HOCONUCO	PRWR77E
RÍO CAÍN	PRWR77F
RÍO CUPEYES	PRWR77G
RÍO CRUCES	PRWR77H
RÍO GRANDE	PRWR77I
CAÑO MERLE	PRWK78A
CAÑO MERLE	PRWK78A1
QUEBRADA DEL ORO	PRWQ80A
CAÑO MANÍ	PRWK81A
CAÑO BOQUILLAS	PRWK82A
CAÑO BOQUILLAS	PRWK82A1
CAÑO BOQUILLAS	PRWK82A2
RÍO CAÑAS	PRWR83B
RÍO CASEY	PRWR83C
RÍO HUMATA	PRWR83D
RÍO ARENAS	PRWR83E
RÍO MAYAGUECILLO	PRWR83F
RÍO GUABÁ	PRWR83G
RÍO BLANCO	PRWR83H

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AU NAME	AU ID
RÍO PRIETO	PRWR83I
QUEBRADA JUSTO	PRWQ84A
QUEBRADA ICACOS	PRWQ85A
QUEBRADA CAGUABO	PRWQ86A
CAÑO GARCIA	PRWK87A
QUEBRADA GRANDE DE CALVACHE	PRWQ88A
QUEBRADA LOS RAMOS	PRWQ89A
QUEBRADA PUNTA ENSENADA	PRWQ90A
QUEBRADA PILETAS	PRWQ91A
RÍO GRANDE	PRWR92A
CAÑO DE SANTI PONCE	PRWK93A
RÍO GUAYABO	PRWR94A
RÍO CAÑO (RÍO CAÑAS)	PRWR95B
QUEBRADA GRANDE	PRWQ95C
QUEBRADA LAS MARÍAS	PRWQ95D
QUEBRADA YAGRUMA	PRWQ95E
QUEBRADA LA SALLE	PRWQ95F
QUEBRADA EL SALTO	PRWR95G
QUEBRADA GRANDE DE LA MAJAGUA	PRWQ95H
QUEBRADA SALADA	PRWR95I
RÍO SONADOR	PRWR95J
RÍO GUATEMALA	PRWR95K
CAÑO CORAZONES	PRWK96A

* This AU was always dry in this cycle and not assess

For purposes of water quality assessment and planning, PRDNER continues to group all the river basins into four (4) geographic regions. The Table 11 presents geographic regions with its corresponding basins as part of the monitoring network.

Table 11: Geographic Regions

REGION	BASIN	BASIN IN PERMANENT STREAM WATER QUALITY NETWORK	ASSESSMENT UNITS BY WATER QUALITY EXISTING DATA
North	9	4	0
South	33	5	0
East	28*	10	3 (26 monitoring stations)
West	26	4	0

* Included the San Juan Bay Estuary System

In the case of assessment units with several monitoring stations in the same assessment unit, the water quality evaluation is performed by evaluating all the data from all the stations within that assessment unit and the evaluation is indicative for the whole assessment unit.

Potential pollution sources are identified through supplementary information: NPDES compliance evaluation inspections, operation and maintenance inspections, pump station by-passes and sanitary sewer system overflow incidents for a period of two years, implementation of Best Management Practices by non-point sources, fish-kills, or spill events.

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1.2 Assessment Unit for Coastal Shoreline

The Coastal Shoreline consists of 64 AUs, of which fifty-five (55) have monitoring stations and nine (9) do not have monitoring stations. (The AU that do not have monitoring stations were classified on Category 3 because there is insufficient available data and/or information to determine if any designated uses are being attained). The monitoring stations are positioned along coastal shoreline AUs to maximize efficiency. The following description provides the rationale for setting the number of stations according to the length of the AU:

- AUs eleven (11) miles or greater, have three (3) stations.
- AUs shorter than eleven (11) miles but longer than or equal to four (4) miles, have two (2) stations.
- AU shorter than four (4) miles has one station.

Due to accessibility, the monitoring network excludes Roosevelt Roads Naval Station in Ceiba (PREC21 and PREC22), Vieques (PRVC54B), Culebra (PRCC53), Mona Island (PRMC55), Isla de Cabra to Punta El Morro (PREC11).

AUs that have waters classified as SA are not monitored by the Coastal Monitoring Network. Class SA waters are defined in the PRWQSR, as coastal and estuarine waters of high quality or exceptional ecological or recreational value whose existing conditions shall not be altered, except by natural phenomena, as defined under this regulation to preserve its natural characteristics. Class SA waters include the following: *Bahía Bioluminiscente La Parguera*, Lajas, two (2) miles (AU PRSC41A1), *Bahía Monsio José*, Lajas, three point seventy-two (3.72) miles (AU PRSC41A2) and *Bahía Mosquito*, Vieques, three (3) miles (AU PRVC54A).

The Table 12 summarize the coastal shoreline AUs. *AU DESCRIPTION* column indicates where the AU begins and ends.

Table 12: Coastal Shoreline Assessment Units

AU ID	AU DESCRIPTION	AU SIZE (miles)	GEOGRAPHIC REGION
PRNC01*	Punta Borinquen to Punta Sardina	11.72	North
PRNC02*	Punta Sardina to Punta Manglillo	14.10	North
PRNC03*	Punta Manglillo to Punta Morrillos	9.65	North
PRNC04*	Punta Morrillos to Punta Manatí	13.66	North
PRNC05*	Punta Manatí to Punta Chivato	7.46	North
PRNC06*	Punta Chivato to Punta Puerto Nuevo	3.23	North
PRNC07*	Punta Puerto Nuevo to Punta Cerro Gordo	5.05	North
PRNC08*	Punta Cerro Gordo to Punta Boca Juana	7.32	North
PREC09*	Punta Boca Juana to Punta Salinas	5.78	East
PREC10B*	Punta Salinas to Río Bayamón mouth	2.91	East
PREC10C*	Río Bayamón mouth to Isla de Cabras	6.63	East
PREC11	Isla de Cabras to Punta del Morro	7.79	East
PREC12*	Punta del Morro to west side of Condado Bridge	3.50	East
PREC13*	East side of Condado Bridge to Punta Las Marías	4.31	East
PREC14*	Punta Las Marías to Punta Cangrejos	4.19	East
PREC15*	Punta Cangrejos to Punta Vacía Talega	6.23	East
PREC16*	Punta Vacía Talega to Punta Miquillo	9.46	East
PREC17*	Punta Miquillo to Punta La Bandera	8.41	East
PREC18*	Punta La Bandera to Cabezas de San Juan	10.46	East
PREC19*	Cabezas de San Juan to Punta Barrancas	7.08	East

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AU ID	AU DESCRIPTION	AU SIZE (miles)	GEOGRAPHIC REGION
PREC20*	Punta Barrancas to Punta Medio Mundo	5.33	East
PREC21	Punta Medio Mundo to Punta Puerca	3.00	East
PREC22	Punta Puerca to Isla Cabras	3.30	East
PREC23*	Isla Cabras to Punta Cascajo	8.83	East
PREC24*	Punta Cascajo to Punta Lima	9.07	East
PREC25*	Punta Lima to Morro de Humacao	9.83	East
PREC26*	Morro de Humacao to Punta Candelero	1.84	East
PREC27*	Punta Candelero to Punta Guayanés	3.74	East
PREC28C*	Punta Guayanés to Punta Quebrada Honda	4.68	East
PREC28B*	Punta Quebrada Honda to Punta Yeguas	0.74	East
PREC29*	Punta Yeguas to Punta Tuna	4.35	East
PREC30*	Punta Tuna to Cabo Mala Pascua	2.65	East
PRSC31*	Cabo Mala Pascua to Punta Viento	4.06	South
PRSC32*	Punta Viento to Punta Figuras	6.16	South
PRSC33*	Punta Figuras to Punta Ola Grande	8.10	South
PRSC34*	Punta Ola Grande to Punta Petrona	40.96	South
PRSC35*	Punta Petrona to Punta de Cabullones	2.53	South
PRSC36B*	Punta de Cabullones to Punta Carenero	6.70	South
PRSC36C*	Punta Carenero to Punta Cucharas	9.23	South
PRSC37B*	Punta Cucharas to Cayo Parguera	3.30	South
PRSC37C*	Cayo Parguera to Punta Guayanilla	4.20	South
PRSC38*	Punta Guayanilla to Punta Verraco	13.20	South
PRSC39*	Punta Verraco to Punta Ballenas	6.41	South
PRSC40*	Punta Ballenas to Punta Brea	13.26	South
PRSC41B1*	Punta Brea to Bahía Fosforescente La Parguera	10.93	South
PRSC41A1	Bahía Fosforescente La Parguera	2.00	South
PRSC41B2*	Bahía Fosforescente to Punta Cueva de Ayala	7.00	South
PRSC41A2	Bahía Monsio José	3.72	South
PRSC41B3*	Bahía Monsio José to Faro de Cabo Rojo	13.45	South
PRWC42*	Faro de Cabo Rojo to Punta Águila	2.89	West
PRWC43*	Punta Águila to Punta Guaniquilla	9.54	West
PRWC44*	Punta Guaniquilla to Punta La Mela	2.50	West
PRWC45	Punta La Mela to Punta Carenero	2.95	West
PRWC46*	Punta Carenero to front of Cayo Ratones	4.00	West
PRWC47*	In front of Cayo Ratones to Punta Guanajibo	3.85	West
PRWC48*	Punta Guanajibo to Punta Algarrobo	5.60	West
PRWC49*	Punta Algarrobo to Punta Cadena	6.98	West
PRWC50*	Punta Cadena to Punta Higüero	4.98	West
PRWC51*	Punta Higüero to Punta del Boquerón	6.14	West
PRWC52*	Punta del Boquerón to Punta Borinquen	6.80	West
PRCC53	Culebra Island	32.70	Offshore Islands
PRVC54A	Bahía Mosquito	3.00	Offshore Islands
PRVC54B	Vieques Island	67.60	Offshore Islands
PRMC55	Mona Island	18.60	Offshore Islands

* Assessment Units with monitoring stations

2.0 Monitoring Program

2.1 Permanent Water Quality Monitoring Network

The PRDNER monitoring activities for this reporting cycle (October 1, 2021, to September 30, 2023), included routine ambient water quality sampling at the various networks, special water quality studies performed in the water bodies of concern and existing or secondary data requested.

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Also, where available, effluent quality data from the discharge monitoring reports submitted by NPDES permitted point sources are used as contributing sources that may impact the use support potential of the water bodies. In addition, PRDNER may perform special sampling activities whenever necessary to investigate fish kills, hydrocarbons leak and spills, and illegal discharges to storm sewers and water bodies to obtain water quality data to assess the impact.

In this cycle the PRDNER generates data from four (4) routine monitoring networks. This will provide physical, chemical, and biological water quality data from the different water bodies. These are:

- **Surface Water Monitoring Network:** Operated by the United States Geological Survey (USGS) under a cooperative agreement with PR, this network includes fifty-one (51) water quality sampling stations in twenty-three (23) major river basins, which corresponds to fifty-one (51) AU in the north, south, east, and west hydrographic regions of PR. The USGS collects samples on a quarterly basis and analyzes for the following parameters:

Dissolved Oxygen	pH
Enterococci	Specific Conductance*
Flow*	Temperature
Hardness*	Total Nitrogen
Nitrate + Nitrite as Nitrogen	Total Phosphorus
NH ₃ + NH ₄ as N	Turbidity

* Parameter that does not have numeric standard as establish in the PRWQSR

Analyses for the detection of cyanide and methylene blue active substances (MBAS), as well as the other following parameters, are performed twice a year:

Arsenic	Chromium VI	Mercury
Cadmium	Copper	Selenium
Chromium III	Lead	Zinc

Additional samples are collected for dissolved solids, such as calcium and magnesium.

For data provided by the USGS, all results are used regardless of whether they include remarks such as >, <, estimated (E), or average (A), under each parameter. All results reported with or without the remarks were used as a valid result for this assessment cycle.

- **Clean Lakes Monitoring Network:** Operated by PRDNER, this network monitors water quality in the eighteen (18) major lakes (reservoirs) that are mostly used as raw sources of public water supply, propagation and preservation of desirable species, including threatened and endangered species, as well as primary and secondary contact recreation (Table 13).

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Table 13: Lakes Monitoring Network

BASIN	WATER BODY NAME	WB SIZE (Acres)	2024 PERMANENT MONITORING STATION ID
Río Guajataca	Lago Guajataca PRNL3A1	1000 acres	10720 10790 10790C
Río Grande De Arecibo	Lago Dos Bocas PRNL ₁ 7A1	634 acres	25110 27090 27090E
Río Grande De Arecibo	Lago Caonillas PRNL ₂ 7C1	700 acres	89001 89002 89003
Río Grande De Arecibo	Lago Garzas PRNL ₃ 7A3	108 acres	20050
Río Grande De Manatí	Lago Matrullas PRNL ₂ 8C1	77 acres	89009 89010
Río De La Plata	Lago La Plata PREL ₁ 10A1	560 acres	44400 44950 44950C
Río De La Plata	Lago Carite PREL ₂ 10A5	333 acres	39900 39950 39950C
Río Bayamón	Lago Cidra PREL12A2	268 acres	89029 89030 89031
Estuario De La Bahía De San Juan	Lago Las Curías PREE13A2	55 acres	89027
Río Grande De Loiza	Lago Loiza PREL14A1	713 acres	57500 58800 58800D
Río Grande De Patillas	Lago Patillas PRSL43A1	312 acres	89022 89023 89024
Quebrada Melanía	Lago Melanía PRSL50A	35 acres	89026
Río Jacaguas	Lago Guayabal PRSL ₁ 60A1	373 acres	89011 89012 89013
Río Jacaguas	Lago Toa Vaca PRSL ₂ 60A1	836 acres	89014 89015 89016
Río Bucaná-Cerrillos	Lago Cerrillos PRSL62A1	700 acres	89032 89033 89034
Río Yauco	Lago Luchetti PRSL68A1	266 acres	89017 89018 89019
Río Loco	Lago Loco PRSL69A	69 acres	89021C
Río Grande de Añasco	Lago Guayo PRWL83H	285 acres	89004 89005 89006

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Samples taken at these lakes are analyzed for the following parameters:

Arsenic	Nickel
Cadmium	Pesticides (organochlorides)
Copper	pH
Dissolved Oxygen (profile)	Selenium
Enterococci	Temperature (profile)
Hardness*	Total Nitrogen
Lead	Total Phosphorous
Mercury	Turbidity
Zinc	

* Parameter that does not have numeric standard as establish in PRWQSR

All parameters are collected once in each of three (3) sampling cycles (rainy season, dry season, and midpoint between these two (2) periods):

- October-November- represents flows greater than low flow.
 - February-March- represents minimum dilution of discharge; typically, lowest rainfall period in Puerto Rico.
 - May- represents first stream flush-effects.
 - August-September- represents flows greater than low flow; typically, more humid and highest ambient temperature in Puerto Rico.
- **Coastal Monitoring Network:** Operated by PRDNER, this network includes one hundred four (104) monitoring stations around the coastal perimeter of PR (Table 14). The network covers a total of four hundred nineteen-point zero one (419.01) coastal miles of PR's main island, out of a total of five hundred forty-six-point sixty-three (546.63) shore miles from the archipelago. The Coastal Monitoring Network Stations are sampled for the following parameters:

Dissolved Oxygen	pH
Enterococci	Temperature
***Oil and Grease	Total Nitrogen
Turbidity	

*** Sample for this parameter will be collected only if oil sheen is observed in the water body.

Table 14: Puerto Rico Coastal Permanent Network Water Quality Monitoring Stations

STATION NUMBER	AU ID	CLASSIFICATION (PRWQSR)	COORDINATES		FREQUENCY OF SAMPLING
			LATITUDE	LONGITUDE	
MAC-049	PRNC04	SB	18° 29' 12.30"	66° 40' 33.92"	Every two months
SBZ-008	PRNC04	SB	18° 29' 03.84"	66° 34' 39.01"	Every two months
MAC-055	PRNC04	SB	18° 28' 54.93"	66° 32' 11.61"	Every two months
SEG5-01	PRNC05	SB	18° 28' 36.50"	66° 30' 24.80"	Every two months
SBZ-010	PRNC05	SB	18° 28' 22.50"	66° 29' 08.36"	Every two months
MAC-087	PRNC06	SB	18° 29' 30.80"	66° 23' 55.28"	Every two months

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STATION NUMBER	AU ID	CLASSIFICATION (PRWQSR)	COORDINATES		FREQUENCY OF SAMPLING
			LATITUDE	LONGITUDE	
SEG7-01	PRNC07	SB	18° 29' 24.70"	66° 23' 40.49"	Every two months
MAC-088	PRNC07	SB	18° 28' 52.56"	66° 20' 26.81"	Every two months
SBZ-013	PRNC08	SB	18° 28' 32.86"	66° 19' 11.95"	Every two months
SBZ-014	PRNC08	SB	18° 28' 28.22"	66° 16' 51.88"	Every two months
SEG9-01	PRNC09	SB	18° 28' 15.66"	66° 14' 47.38"	Every two months
MAC-077	PRNC09	SB	18° 28' 21.27"	66° 11' 09.68"	Every two months
MAC-063	PREC10B	SB	18° 27' 17.64"	66° 10' 43.31"	Every two months
SEG10C-01	PREC10C	SB	18° 27' 09.58"	66° 09' 27.38"	Every two months
SEG10C-02	PREC10C	SB	18° 27' 55.18"	66° 08' 19.21"	Every two months
SBZ-019	PREC12	SB	18° 28' 01.72"	66° 05' 25.19"	Every two months
SBZ-018	PREC12	SB	18° 28' 00.23"	66° 05' 12.00"	Every two months
B-1	PREC13	SB	18° 27' 40.07"	66° 04' 56.67"	Every two months
B-2	PREC13	SB	18° 27' 10.84"	66° 02' 55.97"	Every two months
EB-40	PREC14	SB	18° 26' 38.73"	66° 01' 19.74"	Every two months
SEG14-01	PREC14	SB	18° 26' 45.50"	66° 00' 13.10"	Every two months
B-3	PREC14	SB	18° 27' 01.86"	65° 59' 48.63"	Every two months
SEG14-02	PREC14	SB	18° 27' 32.84"	66° 59' 34.27"	Every two months
SBZ-024	PREC15	SB	18° 27' 22.62"	65° 58' 25.74"	Every two months
SBZ-026	PREC15	SB	18° 26' 52.29"	65° 54' 22.43"	Every two months
SBZ-027	PREC16	SB	18° 26' 04.49"	65° 51' 08.34"	Every two months
SBZ-028	PREC16	SB	18° 25' 24.30"	65° 49' 44.73"	Every two months
SEG17-01	PREC17	SB	18° 24' 08.80"	65° 46' 19.90"	Every two months
MAC-009	PREC17	SB	18° 23' 05.67"	65° 43' 47.98"	Every two months
SBZ-030	PREC18	SB	18° 22' 54.72"	65° 43' 06.45"	Every two months
SEG23-01	PREC23	SB	18° 13' 29.20"	65° 37' 00.40"	Every two months
SEG20-02	PREC20	SB	18° 15' 46.10"	65° 37' 48.13"	Every two months
SEG20-01	PREC20	SB	18° 17' 06.10"	65° 37' 52.60"	Every two months
MAC-078	PREC19	SB	18° 20' 02.39"	65° 37' 48.76"	Every two months
MAC-010	PREC18	SB	18° 22' 10.45"	65° 38' 10.79"	Every two months
SEG24-02	PREC24	SB	18° 12' 10.90"	65° 40' 08.10"	Every two months
SEG25-01	PREC25	SB	18° 11' 22.80"	65° 43' 10.60"	Every two months
MAC-080	PREC25	SB	18° 11' 12.94"	65° 43' 33.48"	Every two months
MAC-081	PREC25	SB	18° 09' 27.90"	65° 45' 21.44"	Every two months
SEG26-01	PREC26	SB	18° 06' 32.70"	65° 47' 00.60"	Every two months
SEG27-01	PREC27	SB	18° 04' 52.64"	65° 47' 47.60"	Every two months
MAC-012	PREC28C	SB	18° 03' 45.70"	65° 49' 09.10"	Every two months
SBZ-040	PRSC32	SB	17° 58' 26.00"	65° 59' 19.00"	Every two months
SEG31-01	PRSC31	SB	17° 58' 23.50"	65° 56' 39.10"	Every two months
MAC-082	PREC30	SB	17° 59' 31.69"	65° 53' 28.32"	Every two months
SEG29-02	PREC29	SB	18° 00' 20.70"	65° 52' 16.60"	Every two months
SEG29-01	PREC29	SB	18° 00' 53.90"	65° 50' 44.50"	Every two months
SBZ-038	PREC28B	SB	18° 01' 44.54"	65° 49' 52.27"	Every two months
SBZ-037	PREC28C	SB	18° 02' 34.97"	65° 50' 00.06"	Every two months
MAC-020	PRSC35	SB	17° 57' 13.67"	66° 24' 22.76"	Every two months
SEG34-02	PRSC34	SB	17° 57' 35.60"	66° 22' 13.50"	Every two months
SEG34-01	PRSC34	SB	17° 58' 39.30"	66° 19' 56.90"	Every two months
MAC-019	PRSC34	SB	17° 57' 04.76"	66° 13' 34.38"	Every two months
MAC-017	PRSC33	SB	17° 55' 55.97"	66° 09' 03.62"	Every two months
SEG33-01	PRSC33	SB	17° 57' 46.18"	66° 03' 55.95"	Every two months
MAC-083	PRSC32	SB	17° 57' 43.14"	66° 02' 23.94"	Every two months
MAC-084	PRSC37B	SB	17° 58' 15.88"	66° 40' 38.16"	Every two months
MAC-023	PRSC36C	SB	17° 58' 54.05"	66° 37' 33.87"	Every two months
MAC-022	PRSC36C	SB	17° 58' 13.93"	66° 37' 04.75"	Every two months
SEG36B-01	PRSC36B	SB	17° 58' 09.40"	66° 36' 09.80"	Every two months

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STATION NUMBER	AU ID	CLASSIFICATION (PRWQSR)	COORDINATES		FREQUENCY OF SAMPLING
			LATITUDE	LONGITUDE	
SEG35-02	PRSC35	SB	17° 58' 30.80"	66° 32' 09.40"	Every two months
SEG35-01	PRSC35	SB	17° 59' 26.10"	66° 29' 11.20"	Every two months
MAC-030	PRSC39	SB	17° 57' 54.22"	66° 48' 33.45"	Every two months
MAC-028	PRSC38	SB	17° 59' 43.51"	66° 47' 06.50"	Every two months
MAC-089	PRSC38	SB	18° 00' 22.54"	66° 46' 06.00"	Every two months
MAC-027	PRSC38	SB	17° 59' 39.62"	66° 45' 43.21"	Every two months
MAC-025	PRSC37C	SB	17° 59' 00.12"	66° 45' 12.90"	Every two months
MAC-024	PRSC37C	SB	17° 59' 29.54"	66° 43' 53.30"	Every two months
SEG41B2-01	PRSC41B2	SB	17° 58' 24.30"	67° 02' 57.50"	Every two months
SBZ-046	PRSC41B2	SB	17° 58' 19.17"	66° 01' 55.12"	Every two months
SEG41B1-01	PRSC41B1	SB	17° 57' 40.30"	66° 58' 55.30"	Every two months
SBZ-045	PRSC41B1	SB	17° 56' 19.57"	66° 54' 21.05"	Every two months
MAC-034	PRSC40	SB	17° 57' 53.14"	66° 54' 30.46"	Every two months
MAC-085	PRSC40	SB	17° 57' 09.11"	66° 53' 04.42"	Every two months
SEG39-01	PRSC39	SB	17° 57' 22.80"	66° 51' 18.09"	Every two months
SEG41B3-01	PRSC41B3	SB	17° 57' 54.60"	67° 10' 44.40"	Every two months
SEG41B3-02	PRSC41B3	SB	17° 56' 07.60"	67° 11' 25.00"	Every two months
SEG42-01	PRSC42	SB	17° 57' 05.00"	67° 11' 47.80"	Every two months
SBZ-047	PRSC43	SB	17° 58' 29.26"	67° 12' 46.46"	Every two months
SBZ-048	PRWC43	SB	17° 58' 57.49"	67° 12' 55.51"	Every two months
MAC-037	PRWC43	SB	18° 01' 09.99"	67° 10' 20.08"	Every two months
SBZ-050	PRWC44	SB	18° 02' 56.20"	67° 11' 51.10"	Every two months
SBZ-051	PRWC44	SB	18° 03' 52.32"	67° 11' 51.10"	Every two months
SEG45-01	PRWC45	SB	18° 04' 24.40"	67° 11' 17.40"	Every two months
SBZ-052	PRWC46	SB	18° 05' 42.37"	67° 11' 42.36"	Every two months
SEG47-01	PRWC47	SB	18° 08' 26.60"	67° 10' 48.30"	Every two months
MAC-038	PRWC48	SB	18° 11' 41.18"	67° 09' 21.07"	Every two months
MAC-040	PRWC48	SB	18° 13' 19.02"	67° 10' 08.05"	Every two months
MAC-041	PRWC49	SB	18° 17' 16.31"	67° 11' 38.23"	Every two months
SEG49-01	PRWC49	SB	18° 17' 41.80 "	67° 12' 36.00 "	Every two months
SBZ-054	PRWC50	SB	18° 18' 47.81"	67° 14' 34.21"	Every two months
SBZ-055	PRWC50	SB	18° 20' 26.52"	67° 15' 22.16"	Every two months
SEG51-01	PRWC51	SB	18° 22' 14.20"	67° 15' 25.00"	Every two months
SEG51-02	PRWC51	SB	18° 23 '4.42"	67° 12' 45.81"	Every two months
MAC-043	PRWC52	SB	18° 24' 51.78"	67° 09' 42.05"	Every two months
SBZ-002	PRWC52	SB	18° 27' 28.01"	67° 09' 49.21"	Every two months
SBZ-003	PRNC01	SB	18° 29' 26.21"	67° 09' 25.09"	Every two months
SBZ-004	PRNC01	SB	18° 30' 51.24"	67° 04' 32.41"	Every two months
MAC-044	PRNC01	SB	18° 30' 30.49"	67° 01' 22.85"	Every two months
MAC-086	PRNC02	SB	18° 29' 23.21"	66° 57' 31.76"	Every two months
SBZ-006	PRNC02	SB	18° 29' 26.16"	66° 51' 21.16"	Every two months
MAC-047	PRNC02	SB	18° 29' 15.53"	66° 49' 42.50"	Every two months
SBZ-007	PRNC03	SB	18° 29' 34.51"	66° 47' 53.70"	Every two months
SEG3-01	PRNC03	SB	18° 28' 45.33"	66° 47' 70.04"	Every two months

- **Beach Monitoring and Public Notification Program:** Operated by PRDNER, implemented in thirty-five (35) beaches included in the Beach Monitoring and Public Notification Program. All the stations were sampled biweekly for the Enterococcus, pH, and Temperature parameters. From April 2015, bacteriological samples are analyzed using Defined Substrate Technology and Quanti-Tray (Enterolert). These changes were made to comply with the CWA as amended by Beaches Environmental Assessment and Coastal Health Act (Beach Act) that requires compliances with the requirements of the National Beach Guidance and Required Performance Criteria for Grants (NBGRPCG)

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2014. This document outlines the eleven (11) performance criteria that States and eligible territorial, tribal or local governments, must meet to receive the grant from the USEPA, to implement programs of monitoring, and public notification of recreational waters under section 406 of the CWA. The frequency of samples collection is every two weeks, throughout the year, since in PR, the season variability through the whole year is not significant and local bathers and tourists visit the beaches frequently.

All sampling and analytical activities are subjected to a Water Quality Assurance Program Plan, coordinated through the Quality Assurance Control Officer of the Water Quality Area and the Division of Environmental Science and Assessment of USEPA Region II.

Each monitoring initiative is supported by the corresponding Quality Assurance Project Plan (QAPP), which must comply with the Water Program's Quality Assurance Management Plan (QAMP).

All samples are collected, preserved, transported, and analyzed in accordance with the protocols established in the corresponding QAPP. The purpose and goals of PRDNER's fixed monitoring station programs are:

1. Provide current data on the quality of the various water bodies throughout PR.
2. Provide information on specific pollutants of concern and uses that may be impaired in the different water bodies monitored.
3. Provide information on potential pollution sources responsible for water quality impairment.
4. Provide information to determine the compliance with the water quality standards applicable to the different designated uses as established in the PRWQSR.
5. Determine if the pollution control measures being implemented throughout PR are effective in protecting the quality of the different water bodies.

Data generated from the rivers and stream stations sampled and analyzed by the USGS are not available through national STORET database; however, the data is available in the Internet through the water quality portal (www.waterqualitydata.us/) or hardcopy files from its Caribbean Field Office.

2.2 Special Monitoring Projects

1. Surface Water Assessment of Pesticides Sampling Plan 2020-2021

The EPA and the United States Fish and Wildlife Service (USFWS) requested the Puerto Rico Environmental Quality Board (PREQB, now PRDRNA) to begin sampling for known pesticides; Naled, Camaphos, and Fenthion in the fifty-one stations of the Permanent Monitoring Network. This project was completed in November 2021, and was not detected the presence of these Pesticides in any of the monitoring stations.

2. Development of an Ecological Index for Palustrine Wetland Assessment in Puerto Rico

Below is a summary taken from the last report of this project, which includes the period from July 1, 2020, to September 30, 2023. All sampling and analyses were conducted

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by Agricultural Experiment Station (AES) personnel. This project was led by a multidisciplinary team of scientists from the University of Puerto Rico.

The purpose of this study is to develop and evaluate the efficacy of a quantitative comprehensive framework for palustrine wetlands assessment in Puerto Rico using a combination of different indices of ecological wetland condition. The conceptual approach follows that used to develop the Florida Wetland Condition Index (FWCI) (Chinners-Reiss and Brown, 2005). This study will provide statistically defensible evidence on the feasibility of developing a comprehensive framework for Palustrine Wetlands assessment in Puerto Rico to discriminate for the effects of the human imprint on the ecological integrity of palustrine wetlands.

The objectives of the study are: 1) Assess the effectiveness of different ecological indices to characterize the degree of human intervention in palustrine wetlands of Puerto Rico and its impact on wetland functions. 2) Develop a comprehensive wetland assessment framework for palustrine wetland assessment in Puerto Rico using an integrated approach based on the combination of several distinct indices.

In this study, different indices based on multiple biotic components, environmental parameters and landscape development intensity metrics will be combined to produce a comprehensive wetland assessment framework for Palustrine Wetlands of Puerto Rico. Separate measures of wetland biological integrity (i.e., diatom and macroinvertebrate community composition or assemblages), as well as the WQI and different soil properties, will be used to develop a quantitative measure of biological integrity. Six (6) locations were selected (three forested and three emergent wetlands) as representatives of the best attainable conditions for the evaluation of potential indicators towards the development of an ecological index for Palustrine Wetlands in Puerto Rico. A second group of six (6) wetlands was chosen to represent “impaired” wetlands. The latter were selected from the population of sites with total Antilles Rapid Assessment Method (ARAM) scores $\leq$ than the 75th percentile value, and stressor scores $\geq$ than the 25th percentile value.

Selected sites for the reference wetlands are: Forested sites (El Manantial-Vega Baja, Finca Virginia- Loíza, Palmas del Mar- Humacao); Emergent sites (Finca La Esperanza B-Manatí, Arroyo I-Arroyo, Corredor Ecológico A-Luquillo). Impaired wetlands are: Forested sites (Laguna Tortuguero-Vega Baja, Canóvanas, Luquillo-PR-3); Emergent sites (Río Grande, Humacao, Laguna Cartagena).

Until this phase, six impacted wetlands and five non-impacted wetlands were identified, evaluating their compliance with the hydrological criterion established by the EPA, which requires a water column of at least 18 inches above the ground surface. The reference wetlands demonstrated compliance with the criterion and saturation above the ground surface, indicating a healthy hydrological state. Although a wetland in Loíza experienced a dry period, it consistently met the standards. The impacted wetlands also met the hydrology criterion, but with greater variation in the water column. Human intervention alters the flow, level, and water quality in impacted wetlands, potentially affecting biodiversity and ecosystem health. Understanding the hydraulic retention time (HRT) is essential, and through its calculation ($HRT = V / Q$), the wetlands' effectiveness in water filtration and purification was assessed. The

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affected HRT in impacted wetlands highlights the need to mitigate the effects of human intervention and restore these ecosystems to maintain their hydrological function and ecological role. Overall, this study emphasizes the importance of hydrology in the conservation and proper management of wetlands to safeguard water quality and biodiversity.

3. Development and Implementation of a Water Quality Monitoring Project in Shallow Coral Reef Areas around Puerto Rico 2022-2024

The DNER is interested in collecting information on water quality at the sites included in the Puerto Rico Coral Reef Monitoring Program (PRCRMP) for shallow coral reef areas (at depths less than or equal to 30 meters) around of Puerto Rico, quarterly, for two consecutive years. A total of 42 coral reef sites will be visited 4 times a year for 16 water quality parameters, resulting in an annual total of 2,688 data points per year.

Due to variable environmental conditions and anthropogenic impacts that threaten the integrity of coral reefs, the primary goal of this project will be the identification of parameters that help sustain healthy coral reefs. The QAPP (August 2022), additionally includes demographic monitoring of corals at PRCRMP sites and implementation of the biological condition gradient (BCG) from the PRCRMP and coral demographic data. This project is managed and carried out by the University of Puerto Rico (UPR), Department of Marine Sciences (DMS), and the Caribbean Coral Reef Institute (CCRI) in La Parguera, PR.

2.3 Water Quality Existing Data

The development of the IR requires the assessment of existing and readily available water quality-related data and information. In addition, PR is required to evaluate and consider any other readily available information. The assessment determination must include all relevant data and take into consideration the QA/QC requirements established in the QAPP for the use of Water Quality Existing Data for the Development of the 303(d)/305(b) IR, March 17, 2021. For the development of the IR in addition to the water quality data obtained by the routine monitoring networks, secondary or external data requested from governmental agencies, non-governmental entities and/or reliable sources of the web should be considered.

Existing data will be gathered and used to address the following objectives related to the assessment of the quality of the water bodies:

- **Objective 1:** Determine compliance with the water quality criteria and attainment with the designated uses.
- **Objective 2:** Develop the 303(d) list and the AU to be delisted.
- **Objective 3:** Develop and publish the 305(b)/303(d) IR.

The data requested and downloaded must be the most recent or from the previous two federal fiscal years from the even-numbered year that comprises the assessment cycle (October 1, 2021, to September 30, 2023). The information must be comparable to the PRWQSR to supplement the information available from PRDNER monitoring networks to carry out the water quality assessment.

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The list of sources PRDNER has actively solicited data from government agencies and non-governmental entities can be found in Table 15.

Table 15: Government Agencies and Non-Governmental Entities

NAME	POSITION	AGENCY
Eng. Carlos Rodríguez	Chairman	Associated General Contractors of America PR Chapter
Mr. Orlando Rodríguez Hernández	Executive Director, Environmental Compliance and Quality Control	PR Aqueduct and Sewer Authority
Eng. Alexandra Velázquez Delgado	Director Programming and Special Studies	PR Highway and Transportation Authority
Ms. Jeannette Villamil Rivera	Chief Environmental Studies Office	PR Highway and Transportation Authority
Eng. Faustino González Quiles	Chairman	College of Engineers and Land Surveyors of PR
Mr. Alex R. Muñiz Lasalle	Director Auxiliary Secretariat of Agrocommercial Integrity	PR Department of Agriculture
Mr. Juan C. Muñoz Ruiz	Supervisor Pesticides Inspection Program Agrological Laboratory	PR Department of Agriculture
Ms. Dilcia Barros	Director Agrological Laboratory	PR Department of Agriculture
Mr. Raúl Santini	Environmental Coordinator II Coastal Zone Division	Department of Natural and Environmental Resources
Mr. Farel Velázquez Cancel	Acting Assistant Secretary, Auxiliary Secretary for Conservation and Research Coastal Zone Division Program	Department of Natural and Environmental Resources
Ms. Aitza Pabón	Director Jobos Bay Natural Estuarine Research Reserve	Jobos Bay Natural Estuarine Research Reserve
Dr. Jorge Bauzá	Science Director	San Juan Bay Estuary Program
Ms. Darilyn Amador Cosme	Director Geology and Hydrogeology	PR Planning Board
Mr. Wilfredo Mass Arroyo	Flood Unit Planning Analyst	PR Planning Board
Ms. Rose A. Ortiz Díaz	Coastal Zone Unit Coordinator	PR Planning Board
Dr. Yazdel Martínez	Dean Academic Affairs	Pontifical Catholic University of PR – Arecibo Campus
Ms. Jackeline Rosas Negrón	Director College of Science	Pontifical Catholic University of PR – Mayagüez Campus
Prof. Carmen Reyes Colón	Associate Director Department of Natural Sciences	Pontifical Catholic University of PR – Ponce Campus
Dr. Graciela I. Ramírez Toro	Director Centro de Educación e Interpretación Ambiental (CECIA)	Interamerican University of PR
Dr. María Plaza	Director Crop and Agro-Environmental Sciences Department	University of PR – Mayagüez Campus
Mr. Roberto Vargas	Department of Agro-Environmental Sciences	University of PR – Mayagüez Campus
Dr. Ernesto Weil	Director Department of Marine Sciences	University of PR – Mayagüez Campus
Dr. Luis R. Pérez Alegría	Professor Agricultural Engineering Department	University of PR–Mayagüez Campus
Mr. Ruperto Chaparro Serrano	Director Sea Grant College Program	University of PR – Mayagüez Campus
Dr. Jorge Rivera Santos	Director	University of PR – Mayagüez Campus

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NAME	POSITION	AGENCY
	PR Water Resources and Environmental Research Institute	
Dr. Francisco M. Monroig Salter	Director Agricultural Engineering Department	University of PR– Mayagüez Campus
Dr. Teresa Lipsett	Director Department of Natural Sciences and Technology	Turabo University
Dr. Jorge Torres Colón	Dean Academic Division Science, Technology and Environment	Metropolitan University of PR
Dr. Fernando Crastz Peters	Assistant Professor School of Science and Technology	Metropolitan University of PR
Mr. Karlos J. Malavé Llamas	Project Director Division of Science and Technology	Metropolitan University of PR
Ms. Carmen Guerrero	Director Caribbean Environmental Protection Division	Environmental Protection Agency
Ms. Yasmin Laguer	Caribbean Environmental Protection Division	Environmental Protection Agency
Dr. Ariel Lugo	Director International Institute of Tropical Forestry USDA Forest Service	USDA Forest Service
Mr. Luis A. Cruz Arroyo	Director	Natural Resources Conservation Service (NRCS) Caribbean Area
Ms. Marelisa Rivera	Deputy Field Supervisor	US Fish and Wildlife Service PR Field Office
Dr. Lizzette Rodríguez	Director Department of Geology	University of PR– Mayagüez Campus
Dr. Luis A. Ríos Hernández	Professor Biology Department	University of PR– Mayagüez Campus
Prof. José L. Flores	Director Department of Civil Engineering and Surveying	University of PR– Mayagüez Campus
Ms. Lirio Márquez D’Acunti	Executive Director	Vieques Conservation and Historical Trust
Mr. Mark Martin Bras	Director Community Relations	Vieques Conservation and Historical Trust
Dr. Roberto Viqueira	Executive Director	<i>Protectores de Cuencas, Inc.</i>
Ms. Deborah Rivera Velázquez	Director Environmental Affairs Department	Autonomous Municipality of Carolina
Dr. Edwin Hernández Delgado	Affiliate Researcher Department of Biology	University of Puerto Rico
Ms. Aurielee Díaz Conde	Environmental Planner Water Plan Monitoring Division Planning Secretariat	Department of Natural and Environmental Resources
Mr. Francisco Cátala Míguez	Environmental Planner Water Plan Monitoring Division Planning Secretariat	Department of Natural and Environmental Resources
Ms. Olga M. Ramos	GIS Analyst and Remote Sensing Lab	International Institute of Tropical Forestry
Dr. Angel A. Toledo López	Rector Metropolitan University	Metropolitan University

As result of the water quality data request, the following government agencies and/or non-governmental entities responded and submitted data:

1. San Juan Bay Estuary System Program (SJBES)
 - a. The monitoring network consists of twenty-six (26) stations (Figure 5).

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- b. Parameters analyzed: Temperature, Dissolved Oxygen, Specific Conductance, Salinity, Turbidity, pH, Secchis Depth, Oil and Grease, Total Nitrate & Nitrite, Total Phosphorus, Enterococci, Total Nitrogen Kjeldahl (TKN), Total Organics Compound (TOC), Chlorophyll a, Total Suspended Solid (TSS), Ammonia, and Fecal Coliform.
 - c. The SJBES Program has an approved QAPP by EPA.
 - d. This data will be used for the 2024 IR assessment.
 2. USGS data:
 - a. The data was obtained from the following stations: 50048565 and 50048580, located in PREE13A1 AU (San Juan Bay Estuary System).
 - b. Parameter analyzed: Discharge, Specific Conductance, Dissolved Oxygen, pH, Temperature, Oil and Grease, Total Nitrogen, Nitrite, Nitrate, Phosphorus, Cyanide, Nitrate plus nitrite, Hardness water, Calcium, Magnesium, Methylene blue active substances (MBAS), Arsenic, Cadmium, Chromium, Copper, Lead, Selenium, Turbidity and Zinc.
 - c. This data was used for the 2024 IR assessment.
 3. University of PR– Mayagüez Campus, Department of Geology
 - a. Disclaimer: *DNER does not know the quality requirements of the sampling and analysis of the water quality data submitted to the agency, thus the quality of the secondary data is unknown and was not used for the 2024 IR assessment.*
 4. NOAA - Bahía de Jobos
 - a. The data was obtained of the following site hosted by National Oceanic and Atmospheric Administration (NOAA): National Estuarine Research Reserve System, Centralized Data Management Office <http://cdmo.baruch.sc.edu/>.
 - b. Monitoring networks consist of four (4) monitoring stations (Figure 6).
 - c. Parameters analyzed: Temperature, pH, Dissolved Oxygen and Turbidity.
 - d. Disclaimer: *PRDNER does not know the quality requirements of the sampling and analysis of the water quality data submitted to the agency, thus the quality of the secondary data is unknown.*
 - e. This data was used for the 2024 IR assessment.



Figure 5: San Juan Bay Estuary System Monitoring Stations

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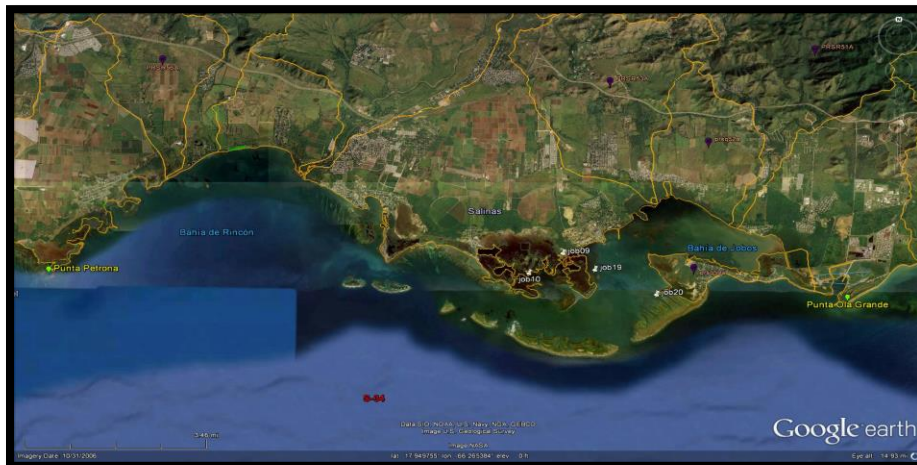


Figure 6: NOAA - Bahía de Jobos Monitoring Stations

2.4 Water's Quality Existing Data - Access Online

Due to the large amount of published information on the Internet and its accessibility, the PRDNER conducted a search for information related to the quality of the coastal water in PR, to evaluate the greater amount of information that is available. To perform a more complete evaluation, the information search is delimited to recognized and reliable sources. The main source of information from which it could access data was the NOAA and its partners in the Caribbean Area. The Caribbean Coastal Ocean Observing System (CariCOOS). CariCOOS has two buoys located on Ponce in the AU PRSC35 and the other on San Juan in the AU PREC12 from which temperature data is obtained (Figure 7). The temperature data will be used to evaluate the corresponding assessment units for these parameters, in addition to the data of the coastal network of PRDNER.

Disclaimer: Note from the web page of CariCOOS: This information is presented as a good faith service to the scientific community, the public in general and to our colleagues and friends. The information, views and opinions herein provided should not be viewed as formally accurate scientific data and/or advice that can be relied upon without proper verification and validation. This service should not be construed as a substitute for specific data that could be obtained through official sources. If any inaccuracy is observed, please inform CaRA as soon as possible for verification and correction, as necessary. Use of and reliance upon the information provided in this web site signifies that its user(s) understands and has accepted the above mentioned caveat and conditions.

Disclaimer: Note from the web page of National Data Buoy Center, NOAA: This operational server maintains a current database of meteorological and hydrological data, historical data, and written information generated by the NWS or received from other official sources. In addition, this server accesses in real time a selection of current official weather observations, forecasts, and warnings from U.S. government sources for use by the national and international community. To enhance the science, experimental products may be accessible on this server and care must be taken when using such products as they are intended for research use.

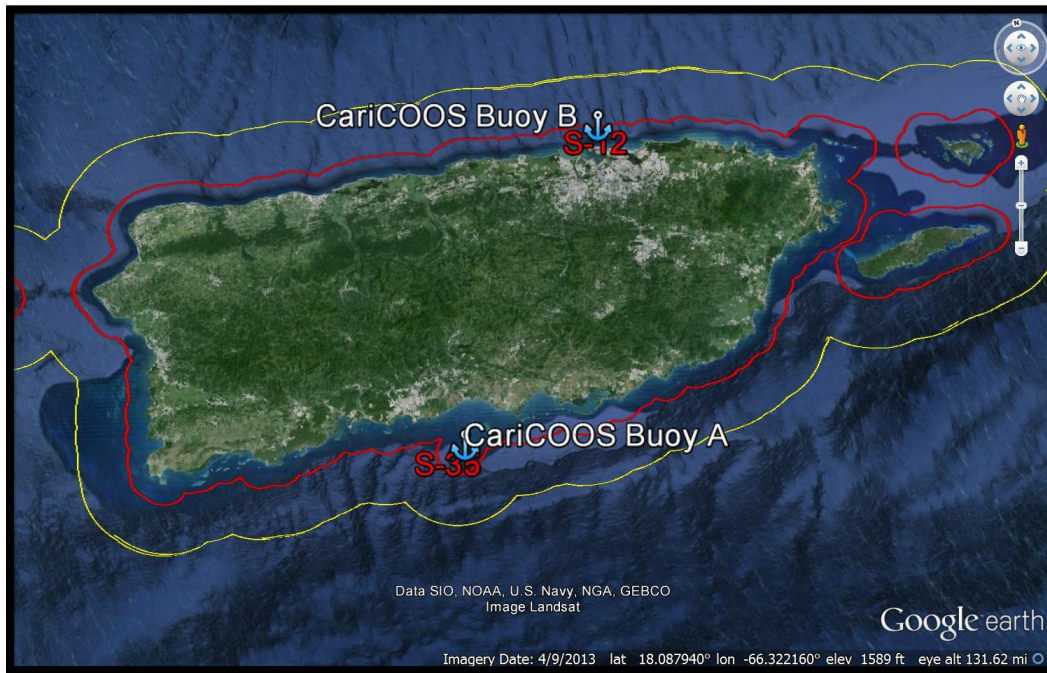


Figure 7: Buoys of CariCoos of NOAA

3.0 Designated Uses, and Applicable Water Quality Standards

The PRWQSR, as amended on August 8, 2022, established, as goals preserve, maintain, and enhance the quality of the waters of PR in such manner that they are compatible with the social and economic needs of PR.

The PRWQSR establishes the designated uses to be maintained and protected for all waters in the archipelago of PR. These uses include:

1. Propagation and maintenance of desirable species, including threatened or endangered species (Aquatic Life)
2. Primary and secondary contact recreation
3. Raw source of public water supply (Class SD waters only).

The water body classification established in the PRWQSR are as follows:

CLASS SA - Coastal or estuarine waters exceptional quality or exceptional or high ecological or recreational value whose existing conditions shall not be altered, except by natural phenomena, as defined under PRWQSR, to preserve its natural characteristics. Class SA includes bioluminescent lagoons and bays such as La Parguera and Monsio José in the Municipality of Lajas, Laguna Joyudas in the Municipality of Cabo Rojo, Laguna Grande in the Municipality of Fajardo, Bahía Puerto Mosquito in the Municipality of Vieques, and any other coastal or estuarine waters of exceptional quality or high ecological or recreational value which may be designated by the pertinent agency and adopted by the Department through Resolution, requiring this classification for protection of the waters. Except for lagoons, Rule 1303.2 (A) (2) of the PRWQSR will also apply to the waters 500 meters (0.31 miles) offshore of the physical and geographical limits of the water bodies under this classification.

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CLASS SB - Coastal waters and estuarine waters intended for use in primary and secondary contact recreation, and for propagation and maintenance of desirable species, including threatened or endangered species. Class SB includes coastal and estuarine waters not classified as Class SA under Rules 1302.1 (A) of the PRWQSR. Class SB also includes lagoons not classified under any other class. This classification will apply from the zone subject to the ebb and flow of tides (mean sea level) up to a maximum of 10.35 miles (16,656.71 meters) offshore.

CLASS SD - Surface waters intended for use as a raw source of public water supply, propagation, and maintenance of desirable species, including threatened or endangered species, as well as primary and secondary contact recreation. All surface waters are classified SD, except those classified SE in accordance with Rule 1302.2 (B).

CLASS SE - Laguna Tortuguero, Laguna Cartagena, and any other surface water body of exceptional quality or high ecological or recreational value which may be designated by the pertinent agency and adopted by the Department, through Resolution requiring this classification for protection of the waters. Surface waters and wetlands of exceptional ecological value, whose existing conditions shall not be altered to preserve its natural characteristics.

Table 16 and Table 17 summarize the existing applicable water quality standards that will be used to perform the assessment for the 2024 IR. Here are shown the maximum allowable concentrations for specific substances in coastal and surface waters.

Table 16: Specific Water Quality Standards for Selected Parameters (As established in the PRWQSR)

SUBSTANCE	COASTAL WATERS (ug/l)	RIVERS AND STREAM (ug/l)
Aluminum (Al) ^{&}	-	87.0 (AL)
Antimony (Sb) ^{+, &}	640.0 (HH)	5.6 (HH)
Arsenic (AS) ^{*, +, &}	36.0 (AL)	10.0 (DW)
Cadmium (Cd) ^{+, %, &}	7.95 (AL)	Note 1 (AL)
Chlorine	7.5 (AL)	11.0 (AL)
Cyanide (Free CN) ⁺	1.0 (AL)	-
Cyanide ^{+, &}	-	4.0 (HH)
Copper (Cu) ^{+, &}	3.73 (AL)	Note 3 (AL)
Chromium III (Cr ⁺³) ^{+, &}	-	Note 2 (AL)
Chromium VI (Cr ⁺⁶) ^{+, &}	50.4 (AL)	11.4 (AL)
Fluoride (F)	-	4,000 (DW)
Lead (Pb) ^{+, %, &}	8.52 (AL)	Note 6 (AL)
Mercury (Hg) ^{+, &}	0.051 (HH)	0.050 (HH)
Nickel (Ni) ^{+, &}	8.28 (AL)	Note 4 (AL)
Selenium (Se) ^{+, &}	71.14 (AL)	5.0 (AL)
Silver (Ag) ^{+, &}	2.24 (AL)	Note 5 (AL)
Sulfide (Undissociated H ₂ S)	2.0 (AL)	2.0 (AL)
Thallium (Tl) ^{+, &}	0.47 (HH)	0.24 (HH)
Zinc (Zn) ^{+, &}	85.62 (AL)	Note 7 (AL)

Note 1 - Concentration in ug/l must not exceed the numerical value given by $e^{(0.7977 [\text{Ln Hardness}] - 3.909)}$

Note 2 - Concentration in ug/l must not exceed the numerical value given by $e^{(0.8190 [\text{Ln Hardness}] + 0.6848)}$

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Note 3 - Concentration in ug/l must not exceed the numerical value given by $e^{(0.8545 [\text{Ln Hardness}] - 1.70)}$

Note 4 - Concentration in ug/l must not exceed the numerical value given by $e^{(0.8460 [\text{Ln Hardness}] + 0.0584)}$

Note 5 - Concentration in ug/l must not exceed the numerical value given by $e^{(1.72 [\text{Ln Hardness}] - 6.59)}$

Note 6 - Concentration in ug/l must not exceed the numerical value given by $e^{(1.273 [\text{Ln Hardness}] - 4.705)}$

Note 7 - Concentration in ug/l must not exceed the numerical value given by $e^{(0.8473 [\text{Ln Hardness}] + 0.884)}$

Hardness (as CaCO₃ in mg/L) of the water body

AL - Protection of the water body for the propagation and preservation of aquatic species or species dependent on the waterbody.

DW - Protection of the water body for use as source of drinking water supply.

HH - Protection of the water body or aquatic life for reasons of human health.

* Identifies a substance that may be a carcinogen. The HH criteria is based on a carcinogenicity risk of 10^{-5}

+ Identifies a priority pollutant.

% In cases where the surface water body is used as a source of drinking water supply, the water quality standard for the indicated substance shall not exceed the drinking water standard upstream from the water intake.

& The number represents a total recoverable value.

Table 17: Water Quality Standard for Specific Classifications

PARAMETER	SA	SB	SD	SE
Chlorides	Note 1	-	230 mg/L	Note 1
Color	Note 1	Shall not be altered except by natural phenomena, as defined under this regulation	15 Pt-Co.	Note 1
Dissolved Oxygen	Note 1	Not less than 5 mg/L	Not less than 5 mg/L	Note 1
Enterococci	Note 1	Note 2	Note 2	Note 1
Fecal Coliforms	Note 1	Note 3	Note 3	Note 1
Other Pathogenic Organisms	Note 1	Shall not contain other pathogenic organisms.		
pH	Note 1	7.3 - 8.5 units	6.0 - 9.0 units	Note 1
Sulfates	Note 1	2,800 mg/L	250 mg/L	Note 1
Surfactants as MBAS	Note 1	500 ug/L	100 ug/L	Note 1
Taste and odor producing substances	Note 1	Shall not be present	Shall not be present	Note 1
Total Dissolved Solids	Note 1	-	500 mg/L	Note 1
Total, Ammonia Nitrogen (TAN)	Note 1	-	Note 6	Note 1
Total, Nitrogen	Note 1	5,000ug/L	Note 4	Note 1
Total, Phosphorous	Note 1	1,000 ug/L	Note 5	Note 1
Temperature	86°F (30°C)	86°F (30°C)	86°F (30°C)	86°F (30°C)
Turbidity	Note 1	10 NTU	50 NTU	Note 1

Note 1 –The concentration of any parameter, whether or not considered in this Rule, shall not be altered, except by natural phenomena as defined under this regulation. Substances reactive with methylene blue shall not be present.

Note 2- For Class SB and Class SD, the Enterococcus density, in terms of geometric mean shall not exceed 35 colonies/100mL in any 90-day interval; neither the 90th Percentile of the samples taken shall exceed 130 colonies/100mL in the same 90-day interval.

Note 3- In shellfish growing area or harvesting areas, designated by the pertinent agency, and adopted by the Department, through Resolution; the median fecal coliform concentration of a series representative samples of the water taken sequentially, shall not exceed 14 MPN/100mL, and not more than 10 percent of the samples shall exceed 43 MPN/100mL.

Note 4 - Shall not exceed 1,700 ug/L in any stream nor exceed 400 ug/L in any reservoir or lake.

Note 5 – Total Phosphorus shall not exceed 160 ug/L in any river and stream nor exceed 26 ug/L in any reservoir or lake.

Note 6 - Shall not exceed the concentration in mg/L calculated using the following equation:

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$$TAN = 0.8876 \times \left(\frac{0.0278}{1 + 10^{7.688 - pH}} + \frac{1.1994}{1 + 10^{pH - 7.688}} \right) \times (2.126 \times 10^{0.028 \times (20 - T)}) \quad \text{Where: } T = \text{temperature in } ^\circ\text{C}.$$

4.0 Water Quality Assessment by Designated Uses

The surface waters (rivers, reservoirs, lagoons, estuaries, and coasts) for which data are available are assessed for the following designated uses in accordance with the requirements of the CWA and the PRWQSR: primary contact recreation (swimming), secondary contact recreation, raw source of public water supply and propagation and maintenance of desirable species, including threatened and endangered species (Aquatic Life).

1. Primary and Secondary Contact Recreation

Class SB and Class SD

The use support evaluation will be based on the enterococci density, in terms of geometric mean shall not exceed 35 colonies/100mL in any 90-day interval: neither the 90th Percentile of the samples taken shall exceed 130 colonies/100mL in the same 90-day interval.

2. Raw Source of Public Water Supply (rivers and lakes):

Class SD

The assessment of the drinking water use will be based on monitored contaminants listed in the PRWQSR. The additional criterion used to assess raw source of public water supply use is the presence of a water intake in the assessment unit. To assess the Raw Sources of Public Water Supply use, will be considered the compliance of water quality standards of any of the parameters indicated below:

Aldrin	Endrin Aldehyde
Alpha-BHC	Fluoride
Arsenic	Heptachlor
Beta-BHC	Heptachlor Epoxide
Chlorides	Lindane (Gamma BHC)
Cyanide	Mercury
4,4'-DDT	Thallium
Dieldrin	Total, Ammonia Nitrogen
Endosulfan Sulfate	Total, Nitrogen
Endrin	Total, Phosphorus
Turbidity	

In all cases, each parameter considered is evaluated strictly in accordance with the applicable standard. If a single data point exceeds the water quality standard, it is sufficient to classify the AU not in compliance with the raw source of public water supply use.

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3. Propagation and maintenance of desirable species, including threatened and endangered species (Aquatic Life):

Currently, the aquatic life use is based on the physical /chemical data collected on sampling incursions during key periods (wet and dry seasons) for all parameters applicable to this use as indicated in the PRWQSR.

In all cases, each parameter considered will be evaluated strictly in accordance with the applicable standard. The parameters taken into consideration are:

Arsenic	Lead	Sulfide (Undissociated H ₂ S)
Cadmium	Mercury	Surfactants
Chromium (Cr ⁺³)	Nickel	Thallium
Chromium (Cr ⁺⁶)	Pesticides (Organochlorides)	Total, Ammonia Nitrogen
Copper	Selenium	Total, Nitrogen
Cyanide	Silver	Total, Phosphorus
Cyanide (Free CN)	Zinc	

The conventional parameters used for the assessment of aquatic life use support were:

Dissolved Oxygen (DO)	Temperature
pH	Turbidity

If a single data point exceeds the water quality standard, it is sufficient to classify the AU not in compliance with the propagation and maintenance of desirable species including threatened and endangered species (aquatic life use).

5.0 Assessment Categories

The assessment of the water quality in PR is performed taking into consideration the five (5) attainment categories currently required by EPA assessment guideline. These attainment categories are:

- Category 1:** Waters that are attaining the applicable water quality standards for all designated uses.
- Category 2:** Waters that are attaining some of the designated uses, but no data is available to make attainment determinations for the remaining designated uses.
- Category 3:** Waters for which insufficient available data and/ or information to determine if any designated uses are being attained.
- Category 4:** Waters in which particular designated uses are impaired or threatened and it is expected that they will meet the water quality standard with implementation of the adequate and corresponding control measure without the development of TMDLs.

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- 4a - A state developed TMDL has been approved by EPA or a TMDL has been established by USEPA for any AU /pollutant combination.
- 4b - Other required control measures are expected to result in the attainment of an applicable water quality standard in a reasonable period of time.
- 4c - Water where a designated use is impaired or threatened by a cause that is not a pollutant (eg. hydrological and habitat alterations).

Category 5: Waters where at least one water quality standard was not attained. The nonattainment of water quality standards requires the development and implementation of a TMDL. Waters identified as impaired in this category are included in the 303(d) List.

Table 18 shows size of waters assigned to reporting categories, including the impairments from previous cycles and the description of the health of PR waters.

Table 18: Size of Waters Assigned to Reporting Categories

WATERBODY TYPE	CATEGORY							TOTAL IN STATE	TOTAL ASSESSED
	1	2	3	4a	4b	4c	5		
Rivers and Streams – miles	0	0	102.8	1,677.2	0	0	3,620.5	5,403.5 *	5,400.5**
Reservoirs – acres	0	0	0	0	0	0	7,323	7,323	7,323
Estuaries – sq. mi.	0	0	0.4572	3.6652	0	0	1.2378	5.3602	5.3602
Coastal Waters- miles	67.6	0	33.62	0	0	0	445.41	546.63	546.63
Lagoons- sq. mi.	0	0	0.4688	0	0	0	3.8781	4.3469	4.3469
San Juan Bay Estuary- sq. mi., miles	0	0	0	0	0	0	3.8340 sq. mi., 18.8 mi	3.8340 sq. mi., 18.8 mi	3.8340 sq. mi., 18.8 mi

Total miles of rivers, creek and streams assessed with monitoring station 2,689.5
 Total miles of rivers, creek and streams assessed without monitoring station 2,711.0
 5,400.5*

* The total miles do not include 18.8 miles that corresponds to PREE13A1 AU, since they are water classified as SB.

** Does not include 3.0 miles that correspond to PRSR39A AU, since it had no flow for this evaluation cycle.

6.0 Description of Puerto Rico waters by designated uses, including the impairments from previous cycles

Table 19 to Table 40 include the information related with the description of the health of PR waters, including the impairments from previous cycles.

Table 19: Primary Contact Use Summary

WATERBODY TYPE	CATEGORY							TOTAL IN STATE	TOTAL ASSESSED
	1	2	3	4a	4b	4c	5		
Rivers and Streams - miles	0	0	75.9	2,733.7	0	0	2,555.1	5,403.5	5,364.7
Reservoirs – acres	0	0	0	7,288	0	0	35	7,323	7,323
Estuaries – sq. mi	0	0	0.2228	4.8410	0	0	0	5.3602	5.0638
Coastal Waters- miles	174.25	0	33.62	0	0	0	338.76	546.63	546.63
Lagoons- sq. mi.	0	0	3.2922	0.5297	0	0	0.5250	4.3469	4.3469
San Juan Bay Estuary- sq. mi, miles	0	0	0	0	0	0	3.8340 sq. mi, 18.8 mi.	3.8340 sq. mi., 18.8 mi.	3.8340 sq. mi., 18.8 mi.

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Table 20: Secondary Contact Use Summary

WATERBODY TYPE	CATEGORY							TOTAL IN STATE	TOTAL ASSESSED
	1	2	3	4a	4b	4c	5		
Rivers and Streams - miles	0	0	75.9	2,733.7	0	0	2,555.1	5,403.5	5,364.7
Reservoirs – acres	0	0	0	7,288	0	0	35	7,323	7,323
Estuaries – sq. mi.	0	0	0.2228	4,8410	0	0	0	5.3602	5.0638
Coastal Waters- miles	174.25		33.62	0	0	0	338.76	546.63	546.63
Lagoons- sq. mi.	0	0	3.2922	0.5297	0	0	0.5250	4.3469	4.3469
San Juan Bay Estuary- sq. mi., miles	0	0	0	0	0	0	3,8340 sq. mi., 18.8 mi.	3,8340 sq. mi., 18.8 mi.	3,8340 sq. mi., 18.8 mi.

Table 21: Aquatic Life Use Summary

WATERBODY TYPE	CATEGORY							TOTAL IN STATE	TOTAL ASSESSED
	1	2	3	4a	4b	4c	5		
Rivers and Streams - miles	0	0	1,780	0	0	0	3,620.5	5,403.5	5,400.5
Reservoirs – acres	0	0	0	0	0	0	7,323	7,323	7,323
Estuaries – sq. mi.	0	0	4.1224	0	0	0	1.2378	5.3602	5.3602
Coastal Waters- miles	0	0	101.22	0	0	0	445.41	546.63	546.63
Lagoons- sq. mi.	0	0	0.4688	0	0	0	3.8781	4.3469	4.3469
San Juan Bay Estuary- sq. mi., miles	0	0	0	0	0	0	3,8340 sq. mi., 18.8 mi.	3,8340 sq. mi., 18.8 mi.	3,8340sq. mi., 18.8 mi.

Table 22: Drinking Water Use Summary

WATERBODY TYPE	CATEGORY							TOTAL IN STATE	TOTAL ASSESSED
	1	2	3	4a	4b	4c	5		
Rivers and Streams - miles	237.7	0	2,318.7	0	0	0	2,796.2	5,403.5	5,352.6
Reservoirs – acres	0	0	0	0	0	0	7,323	7,323	7,323
San Juan Bay Estuary- sq. mi., miles	0	0	0	0	0	0	0.1009	3,8340 sq. mi., 18.8 mi.	0.1009 mi ²

Rivers, Streams, and Creeks

Table 23: Size of Waters Impaired by Causes (Monitored Miles for Rivers, Streams, and Creeks) *

Causes of Impairments 2021-2023 Cycle		Causes of Impairments Summary
Causes of Impairments	Size of Waters Impaired* (miles)	Size of Waters Impaired (miles)
Ammonia	53.9	128.5
Arsenic	0	25.4
Chromium VI	0	2,555.1
Copper	397.4	600.9
Cyanide	1,144.4	1,144.4
Dissolved Oxygen	551.3	1,139.1
Enterococci	2,555.1	2,555.1
Lead	168.6	259.5
Mercury	141.9	141.9
Oil and Grease	103.8	103.8

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Causes of Impairments 2021-2023 Cycle		Causes of Impairments Summary
Causes of Impairments	Size of Waters Impaired* (miles)	Size of Waters Impaired (miles)
Pesticides	0	544.3
pH	299.9	573.8
Silver	0	14.6
Surfactants	286.3	347.1
Temperature	1,618.3	2,075.1
Total, Nitrogen	1,003.4	1,477.4
Total, Phosphorus	1,443.4	2,291.5
Turbidity	1,603.9	1,959.4

* It includes rivers, stream or creek miles that are part of the lakes, estuaries, and San Juan Bay Estuary except 18.8 miles from PREE13A1 AU

Table 24: Size of Waters Impaired by Sources (Monitored and Unmonitored Rivers and Streams)

Potential Sources of Pollution 2021-2023 Cycle		Potential Sources of Pollution Summary
Potential Sources of Pollution	Size of Water Impaired (miles)	Size of Water Impaired (miles)
Agriculture	2,716.3	2,716.3
Collection System Failure	3,238.9	3,238.9
Confined Animal Feeding Operations	3,876.5	3,876.5
Landfill	2,159.7	2,159.7
Major Industrial Point Sources	382.7	382.7
Major Municipal Point Sources	1,220.5	1,220.5
Minor Industrial Point Sources	2,913.9	2,913.9
Minor Municipal Point Sources	634.1	634.1
Onsite Wastewater Systems	5,322.6	5,322.6
Package Plants (Small Flows)	42.2	42.2
Surface Mining	615.8	615.8
Unknown Source	2.7	2.7
Urban Runoff/Storm Sewers	3,214.8	3,253.5

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Table 25: Rivers and Streams Assessment (Monitored and Unmonitored)

Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
QUEBRADA DE LOS CEDROS	QUEBRADA DE LOS CEDROS PRNQ1A	12.0	SD		4a	4a	3	3	H J L	Collection System Failure Onsite Wastewater Systems Urban Runoff/Storm Sewers	
QUEBRADA DEL TORO	QUEBRADA DEL TORO PRNQ2A	1.0	SD		3	3	3	3	H	Confined Animal Feeding Operations Onsite Wastewater Systems	
RÍO GUAJATACA	RÍO GUAJATACA PRNR3A1	9.9	SD	NS 50011400	5	5	5	5		Collection System Failure Landfill Minor Industrial Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Cyanide</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Total, Nitrogen</i> Surfactants
	RÍO GUAJATACA PRNR3A2	22.0	SD	NS 50010600	5	5	5	5	F	Agriculture Collection System Failure Confined Animal Feeding Operations Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Nitrogen</i> Cyanide pH Total, Phosphorus Turbidity
	QUEBRADA LAS SEQUÍAS PRNQ3B	3.5	SD		4a	4a	5	5	D F H, L	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Arsenic</i> <i>Dissolved Oxygen</i>
QUEBRADA BELLACA	QUEBRADA BELLACA PRNQ4A	1.7	SD		3	3	3	3	H	Confined Animal Feeding Operations Onsite Wastewater Systems	
RÍO CAMUY	RÍO CAMUY PRNR5A	48.6	SD		4a	4a	3	3	F H	Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	
QUEBRADA SECA	QUEBRADA SECA PRNQ6A	2.0	SD		3	3	3	3	H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO GRANDE DE ARECIBO	RÍO GRANDE DE ARECIBO PRNR7A1	22.4	SD	NS 50029000	5	5	5	5	K	Agriculture Collection System Failure Confined Animal Feeding Operations Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Turbidity</i>
	RÍO SANTIAGO PRNR7A1a	9.0	SD		4a	4a	3	3	H K	Onsite Wastewater Systems	
	RÍO GRANDE DE ARECIBO PRNR7A2	122.8	SD	NS 50025000	5	5	5	5	K	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Pesticides</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
	TÚNEL PRNR7A3	28.9	SD	NS 50020500	5	5	5	5	K	Agriculture Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>pH</i> <i>Total, Phosphorus</i> Cyanide

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO CAONILLAS PRNR7C1	87.0	SD	NS 50026000	5	5	5	5	K	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Surface Mining Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Phosphorus</i>
	RÍO LIMÓN PRNR7C2	40.7	SD	NS 50026350	5	5	5	5	K	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> Temperature
	RÍO YUNES PRNR7C3	32.7	SD	NS 50026950	5	5	5	5	K	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Temperature</i>
	RÍO TANAMÁ PRNR7B1	16.2	SD		N/A	N/A	3	3	H K	Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	
	RÍO TANAMÁ PRNR7B2	43.5	SD	NS 50028000	5	5	5	5	K	Agriculture Collection System Failure Minor Industrial Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Phosphorus</i> <i>Turbidity</i> Copper Lead
RÍO GRANDE DE MANATÍ	RÍO GRANDE DE MANATÍ PRNR8A1	31.0	SD	NS 50038100	5	5	5	5	K	Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Phosphorus</i> <i>Turbidity</i> pH

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO GRANDE DE MANATÍ PRNR8A2	38.1	SD	NS 50035500	5	5	5	5	K	Collection System Failure Confined Animal Feeding Operations Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Copper</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i> Cyanide Lead Mercury
	RÍO GRANDE DE MANATÍ PRNR8A3	27.0	SD		4a	4a	3	3	H K	Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems	
	RÍO CIALITO PRNR8B	25.8	SD	NS 50035950	5	5	5	5	K	Agriculture Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Turbidity</i> Total, Phosphorus
	RÍO TORO NEGRO PRNR8C1	41.5	SD		4a	4a	3	3	H K	Agriculture Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	
	RÍO BAUTA PRNR8C2	27.6	SD		4a	4a	3	3	H K	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO SANA MUERTOS PRNR8D	16.0	SD		4a	4a	3	3	H K	Agriculture Collection System Failure Minor Industrial Point Sources Onsite Wastewater Systems	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO OROCOVIS PRNR8E1	19.8	SD	NS 50030700	5	5	5	5	K	Collection System Failure Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Phosphorus</i> Cyanide
	RÍO BOTIJAS PRNR8E2	19.1	SD		4a	4a	5	3	D H K	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>pH</i>
RÍO CIBUCO	RÍO CIBUCO PRNR9A	31.1	SD	NS 50039500	5	5	5	5	A	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Industrial Point Sources Major Municipal Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i> Lead
	RÍO INDIO PRNR9B1	12.5	SD		4a	4a	3	3	A H	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO MOROVIS PRNR9B2	25.5	SD		4a	4a	5	3	A D H	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO UNIBÓN PRNR9B3	17.4	SD		4a	4a	3	3	A H	Collection System Failure Confined Animal Feeding Operations Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO MAVILLAS PRNR9C	34.0	SD		4a	4a	3	3	A H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO DE LOS NEGROS PRNR9D	24.1	SD		4a	4a	3	3	A H	Agriculture Collection System Failure Confined Animal Feeding Operations Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
RIO DE LA PLATA	RÍO DE LA PLATA PRER10A1	21.0	SD	NS 50046000	5	5	5	5	B	Collection System Failure Confined Animal Feeding Operations Major Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Surfaces Mining	<i>Chromium VI</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Temperature</i> Surfactants Total, Phosphorus Turbidity
	RÍO DE LA PLATA PRER10A2	14.3	SD		4a	4a	3	3	B H	Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO DE LA PLATA PRER10A3	55.7	SD	NS 50044000	5	5	5	5	B	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Phosphorus</i> Temperature

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO DE LA PLATA PRER10A4	10.2	SD	NS 50043000	5	5	5	5	B	Agriculture Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> <i>pH</i> <i>Temperature</i> <i>Total, Phosphorus</i> <i>Turbidity</i> Cyanide
	RÍO DE LA PLATA PRER10A5	92.7	SD	NS 50042500	5	5	5	5	B	Collection System Failure Confined Animal Feeding Operations Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban/Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Phosphorus</i> Cyanide Temperature Total, Nitrogen Turbidity
	RÍO LAJAS PRER10B	16.6	SD		4a	4a	3	3	B H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Surface Mining	
	RÍO BUCARABONES PRER10C	19.2	SD		4a	4a	3	3	B H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO CAÑAS PRER10D	10.4	SD		4a	4a	3	3	B H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO GUADIANA PRER10E	21.8	SD	NS 50044850	5	5	5	5	B	Collection System Failure Confined Animal Feeding Operations Minor Municipal Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> Cyanide Temperature

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO CUESTA ARRIBA PRER10F	10.6	SD		4a	4a	1	3	B D H	Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	
	RÍO ARROYATA PRER10G	36.8	SD	NS 50043998	5	5	5	5	B	Agriculture Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Phosphorus</i> Cyanide
	RÍO HONDO PRER10H	25.6	SD		4a	4a	3	3	B H	Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems	
	RÍO USABÓN PRER10I1	54.6	SD		4a	4a	3	3	B H	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO AIBONITO PRER10I2	18.7	SD		4a	4a	3	3	B H	Confined Animal Feeding Operations Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO MATÓN PRER10J	15.8	SD	NS 50042800	5	5	5	5	B	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Nitrogen</i> Cyanide

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO GUAVATE PRER10K	19.8	SD		4a	4a	5	3	B D H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>pH</i>
RÍO HONDO	RÍO HONDO PRER11A	22.0	SD		4a	4a	5	3	D F, H	Collection System Failure Urban Runoff/Storm Sewers	<i>Dissolved Oxygen Surfactants</i>
RÍO BAYAMÓN	RÍO BAYAMÓN PRER12A1	33.6	SD	NS 50048510	5	5	5	5	F	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI Enterococci pH Temperature Total, Nitrogen Cyanide</i>
	RÍO BAYAMÓN PRER12A2	83.7	SD	NS 50047820	5	5	5	5	F	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI Enterococci</i>
	RÍO GUAYNABO PRER12B	50.7	SD	NS 50047990	5	5	5	5	F	Collection System Failure Confined Animal Feeding Operations Landfill Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI Enterococci Total, Nitrogen Total, Phosphorus pH Temperature</i>
	RÍO MINILLAS PRER12C	8.7	SD		4a	4a	3	3	F H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO GRANDE DE LOIZA	RÍO GRANDE DE LOIZA PRER14A1	31.0	SD	NS 50059100	5	5	5	5	F	Collection System Failure Confined Animal Feeding Operations Major Industrial Point Sources Onsite Wastewater Systems Surfaces Mining Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Temperature</i> <i>Turbidity</i> Surfactants Total, Nitrogen
	RÍO GRANDE DE LOIZA PRER14A2	86.6	SD	NS 50055000	5	5	5	5	C E G	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Surfaces Mining Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Pesticides</i> <i>Temperature</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
	RÍO CANÓVANAS PRER14B	32.6	SD		4a	4a	5	3	D F H	Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
	RÍO CANOVANILLAS PRER14C	27.9	SD		4a	4a	5	3	D F H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
	QUEBRADA MARACUTO PREQ14D	22.9	SD		4a	4a	1	3	D F H	Confined Animal Feeding Operations Minor Municipal Point Sources Onsite Wastewater Systems	
	QUEBRADA GRANDE PREQ14E	17.7	SD		4a	4a	1	3	F H	Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO CAÑAS PRER14F	9.4	SD		4a	4a	1	3	C H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO GURABO PRER14G1	124.3	SD	NS 50057025	5	5	5	5	C E	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Surfaces Mining	Chromium VI Enterococci Temperature Total, Nitrogen Total, Phosphorus Turbidity
	RÍO VALENCIANO PRER14G2	42.8	SD	NS 50056500	5	5	5	5	C	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI Enterococci Total, Nitrogen Total, Phosphorus Turbidity
	RÍO BAIROA PRER14H	16.3	SD	NS 50055410	5	5	5	5	C E G I	Collection System Failure Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI Enterococci Total, Nitrogen Total, Phosphorus
	RÍO CAGÜITAS PRER14I	33.9	SD	NS 50055250	5	5	5	5	C E G I	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Surfaces Mining Urban Runoff/Storm Sewers	Chromium VI Enterococci Temperature Total, Nitrogen Total, Phosphorus Turbidity

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO TURABO PRER14J	54.7	SD	NS 50054500	5	5	5	5	C	Agriculture Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Temperature</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
	RÍO CAYAGUAS PRER14K	38.5	SD	NS 50051500	5	5	5	5	C	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Chromium VI</i> <i>Copper</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
	RÍO EMAJAGUA PRER14L	8.5	SD		4a	4a	3	3	C H	Minor Industrial Point Sources Onsite Wastewater Systems	
RÍO HERRERA	RÍO HERRERA PRER15A	17.0	SD		4a	4a	5	5	D F H	Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i> <i>Turbidity</i>
RÍO ESPÍRITU SANTO	RÍO ESPÍRITU SANTO PRER16A	53.9	SD	NS 50063800	5	5	5	5	F	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> Ammonia
	RÍO ESPÍRITU SANTO PRER16A1	4.5	SD		4a	4a	3	3	F H	Confined Animal Feeding Operations Major Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO MAMEYES	RÍO MAMEYES PRER17A	35.6	SD		4a	4a	3	3	F H	Confined Animal Feeding Operations Landfill Onsite Wastewater Systems	
	RIO MAMEYES PRER17A1	3.3	SD		4a	4a	3	3	F H	Onsite Wastewater Systems	
QUEBRADA MATA DE PLÁTANO	QUEBRADA MATA DE PLÁTANO PREQ18A	4.0	SD		4a	4a	5	3	D F H	Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen Surfactants</i>
RÍO SÁBANA	RÍO SÁBANA PRER19A	15.1	SD		4a	4a	1	3	D H J	Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Surfaces Mining	
	RÍO SÁBANA PRER19A1	18.0	SD		4a	4a	3	3	D H J	Confined Animal Feeding Operations Onsite Wastewater Systems	
RÍO JUAN MARTÍN	RÍO JUAN MARTÍN PRER20A	7.8	SD		4a	4a	3	3	D H, J	Onsite Wastewater Systems	
QUEBRADA FAJARDO	QUEBRADA FAJARDO PREQ21A	10.0	SD		4a	4a	5	3	D H J	Collection System Failure Onsite Wastewater Systems	<i>Dissolved Oxygen pH Temperature</i>
RÍO FAJARDO	RÍO FAJARDO PRER22A	59.0	SD	NS 50072500	5	5	5	5	J	Confined Animal Feeding Operations Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI Enterococci Temperature Total, Nitrogen Total, Phosphorus Turbidity</i>
RÍO DEMAJAGUA	RÍO DEMAJAGUA PRER23A	2.8	SD		4a	4a	5	3	D H, J	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
QUEBRADA CEIBA	QUEBRADA CEIBA PREQ24A	5.0	SD		4a	4a	5	3	D H, J	Onsite Wastewater Systems	<i>Dissolved Oxygen Surfactants</i>

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
QUEBRADA AGUAS CLARAS	QUEBRADA AGUAS CLARAS PREQ25A	4.8	SD		4a	4a	5	3	D H J	Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
RÍO DAGUAO	RÍO DAGUAO PRER26A	13.8	SD		4a	4a	5	3	D H J	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
QUEBRADA PALMA	QUEBRADA PALMA PREQ27A	11.8	SD		4a	4a	3	3	H J	Confined Animal Feeding Operations Onsite Wastewater Systems	
QUEBRADA BOTIJAS	QUEBRADA BOTIJAS PREQ28A	7.4	SD		4a	4a	5	3	D H J	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
RÍO SANTIAGO	RÍO SANTIAGO PRER29A	12.7	SD		4a	4a	3	3	D H J	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO SANTIAGO PRER29A1	2.6	SD		4a	4a	3	3	H J	Confined Animal Feeding Operations Onsite Wastewater Systems	
RÍO BLANCO	RÍO BLANCO PRER30A	45.0	SD		4a	4a	5	5	D H J	Agriculture Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Turbidity</i>
	QUEBRADA PEÑA POBRE PREQ30B	13.4	SD		4a	4a	5	3	D H J	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO ANTÓN RUIZ	RÍO ANTÓN RUIZ PRER31A	16.9	SD		4a	4a	5	3	D H J	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen Temperature</i>
	QUEBRADA MULAS PREQ31A1	3.5	SD		4a	4a	3	3	H J	Confined Animal Feeding Operations Onsite Wastewater Systems	
QUEBRADA FRONTERA	QUEBRADA FRONTERA PREQ32A	8.5	SD		4a	4a	5	3	D H J	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
RÍO HUMACAO	RÍO HUMACAO PRER33A	55.8	SD	NS 50082000	5	5	5	5	F	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI Copper Enterococci Temperature Total, Nitrogen Total, Phosphorus Turbidity Surfactants</i>
RÍO CANDELERO	RÍO CANDELERO PRER34A	10.4	SD		4a	4a	5	3	D F H	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
RÍO GUAYANÉS	RÍO GUAYANÉS PRER35A	62.0	SD	NS 50085000	5	5	5	5	F	Agriculture Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems	<i>Chromium VI Copper Enterococci Temperature Total, Nitrogen Total, Phosphorus Turbidity</i>
	RÍO INGENIO PRER35A1	32.6	SD		4a	4a	3	3	F H	Confined Animal Feeding Operations Onsite Wastewater Systems	
QUEBRADA EMAJAGUA	QUEBRADA EMAJAGUA PREQ36A	2.5	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO MAUNABO	RÍO MAUNABO PRER37A	36.0	SD	NS 50091000	5	5	5	5	F	Agriculture Collection System Failure Landfill Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i> Copper Cyanide
QUEBRADA MANGLILLO	QUEBRADA MANGLILLO PRSQ38A	1.0	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	
QUEBRADA FLORIDA	QUEBRADA FLORIDA PRSQ39A	3.0	SD		N/A	N/A	N/A	N/A	H L		
RÍO JACABOA	RÍO JACABOA PRSR40A	13.0	SD		4a	4a	3	3	H J L	Confined Animal Feeding Operations Onsite Wastewater Systems	
QUEBRADA PALENQUE	QUEBRADA PALENQUE PRSQ41A	1.0	SD		4a	4a	5	3	D, H J, L	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
RÍO CHICO	RÍO CHICO PRSR42A	14.6	SD		4a	4a	5	5	D H J L	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Ammonia</i> <i>Copper</i> <i>Dissolved Oxygen</i> <i>Silver</i> <i>Surfactants</i> <i>Total, Phosphorus</i>
RÍO GRANDE DE PATILLAS	RÍO GRANDE DE PATILLAS PRSR43A1	4.0	SD		4a	4a	3	3	H J	Major Municipal Point Sources Onsite Wastewater Systems	
	RÍO GRANDE DE PATILLAS PRSR43A2	35.9	SD	NS 50092000	5	5	5	1	J	Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> Copper Cyanide
	RÍO MARÍN PRSR43B	8.7	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	

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					R1	R2	AL	DW			
QUEBRADA YAUREL	QUEBRADA YAUREL PRSQ44A	6.0	SD		4a	4a	3	3	H J, L	Onsite Wastewater Systems	
RÍO NIGUAS DE ARROYO	RÍO NIGUAS DE ARROYO PRSR45A	21.0	SD		4a	4a	3	3	D H J	Confined Animal Feeding Operations Onsite Wastewater Systems Package Plants (Small Flow) Urban Runoff/Storm Sewers	
QUEBRADA SALADA	QUEBRADA SALADA PRSQ46A	1.7	SD		4a	4a	3	3	H J, L	Onsite Wastewater Systems Surface Mining	
QUEBRADA CORAZÓN	QUEBRADA CORAZÓN PRSQ47A	9.7	SD		4a	4a	3	3	H J L	Confined Animal Feeding Operations Onsite Wastewater Systems	
QUEBRADA BRANDERI	QUEBRADA BRANDERI PRSQ48A	4.5	SD		4a	4a	3	3	H J, L	Collection System Failure Onsite Wastewater Systems	
RÍO GUAMANÍ	RÍO GUAMANÍ PRSR49A	22.0	SD		4a	4a	5	3	D H J L	Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Temperature
QUEBRADA MELANÍA	QUEBRADA MELANÍA PRSQ50A	7.0	SD		4a	4a	5	3	D H J, L	Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen
RÍO SECO	RÍO SECO PRSR51A	24.7	SD		4a	4a	5	3	D, H J, L	Agriculture Onsite Wastewater Systems	Dissolved Oxygen
QUEBRADA AMORÓS	QUEBRADA AMORÓS PRSQ52A	0.7	SD		4a	4a	5	3	D H J, L	Agriculture Collection System Failure Onsite Wastewater Systems	Dissolved Oxygen pH
QUEBRADA AGUAS VERDES	QUEBRADA AGUAS VERDES PRSQ53A	15.0	SD		4a	4a	5	3	D F H, L	Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO NIGUAS DE SALINAS	RÍO NIGUAS DE SALINAS PRSR54A	102.5	SD		4a	4a	5	3	D F H L	Confined Animal Feeding Operations Onsite Wastewater Systems Surfaces Mining Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
RÍO JUEYES	RÍO JUEYES PRSR55A	11.0	SD		4a	4a	3	3	H J L	Agriculture Confined Animal Feeding Operations Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	
RÍO CAYURES	RÍO CAYURES PRSR56A	5.0	SD		4a	4a	5	3	D, H J, L	Agriculture Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>Surfactants</i>
RÍO COAMO	RÍO COAMO PRSR57A1	7.5	SD		4a	4a	3	3	H J L	Agriculture Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RIO COAMO PRSR57A2	59.0	SD	NS 50106500	5	5	5	5	J	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Cyanide</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> Surfactants Total, Phosphorus
	RÍO CUYÓN PRSR57B	49.2	SD		4a	4a	5	3	D H J	Agriculture Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Temperature</i>

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO DESCALABRADO	RÍO DESCALABRADO PRSR58A	18.8	SD		4a	4a	3	3	D H J L	Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	
RÍO CAÑAS	RÍO CAÑAS PRSR59A	8.0	SD		4a	4a	3	3	H J, L	Agriculture Onsite Wastewater Systems	
RÍO JACAGUAS	RÍO JACAGUAS PRSR60A1	22.8	SD		4a	4a	3	3	F H L	Agriculture Collection System Failure Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO JACAGUAS PRSR60A2	29.3	SD		4a	4a	3	3	F H L	Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
RÍO INABÓN	RÍO INABÓN PRSR61A	66.7	SD		4a	4a	3	3	F H	Agriculture Collection System Failure Minor Industrial Point Sources Onsite Wastewater Systems Surface Mining Urban Runoff/Storm Sewers	
RÍO BUCANÁ- CERRILLOS	RIO BUCANÁ- CERRILLOS PRSR62A1	27.8	SD	NS 50114400	5	5	5	5	J	Collection System Failure Onsite Wastewater Systems Surfaces Mining Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> Cyanide
	RIO BUCANÁ- CERRILLOS PRSR62A2	32.6	SD	NS 50113800	5	5	5	5	J	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems	<i>Chromium VI</i> <i>Enterococci</i> Cyanide Surfactants
RIO PORTUGUÉS	RIO PORTUGUÉS PRSR63A	54.0	SD	NS 50114900 50116200	5	5	5	5	J	Collection System Failure Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> Cyanide Dissolved Oxygen

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO MATILDE – PASTILLO	RÍO MATILDE- PASTILLO PRSR64A	43.2	SD		4a	4a	5	3	D H J L	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Industrial Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Temperature</i>
	QUEBRADA DEL AGUA PRSQ64A1	8.0	SD		4a	4a	3	3	H J, L	Onsite Wastewater Systems	
RÍO TALLABOA	RÍO TALLABOA PRSR65A	59.6	SD		4a	4a	5	1	D H J L	Agriculture Collection System Failure Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>pH</i> <i>Temperature</i>
RÍO MACANÁ	RÍO MACANÁ PRSR66A	21.7	SD		4a	4a	3	3	H J L	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
RÍO GUAYANILLA	RÍO GUAYANILLA PRSR67A	60.0	SD	NS 50124700	5	5	5	5	F	Agriculture Collection System Failure Landfill Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Ammonia</i> <i>Chromium VI</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> Cyanide

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO YAUCO	RÍO YAUCO PRSR68A1	61.4	SD		4a	4a	5	5	D F H L	Agriculture Collection System Failure Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen Total, Phosphorus</i>
	RÍO YAUCO PRSR68A2	18.3	SD		4a	4a	3	3	F H, L	Agriculture Onsite Wastewater Systems	
RÍO LOCO	RÍO LOCO PRSR69A1	92.4	SD		4a	4a	5	5	D F H	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen Temperature Turbidity</i>
	RÍO LOCO PRSR69A2	19.5	SD		4a	4a	3	3	F H	Agriculture Onsite Wastewater Systems	
RÍO ARROYO CAJUL	RÍO ARROYO CAJUL PRSR70A	7.4	SD		4a	4a	3	3	H J, L	Onsite Wastewater Systems	
QUEBRADA BOQUERÓN	QUEBRADA BOQUERÓN RWQ71A	11.7	SD		4a	4a	3	3	H J	Minor Industrial Point Sources Onsite Wastewater Systems	
QUEBRADA ZUMBÓN	QUEBRADA ZUMBÓN PRWQ72A	1.7	SD		4a	4a	5	3	D, H J, L	Collection System Failure Onsite Wastewater Systems	<i>Dissolved Oxygen Surfactants</i>
QUEBRADA GONZÁLEZ	QUEBRADA GONZÁLEZ PRWQ73A	1.8	SD		4a	4a	5	3	D, H J, L	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
QUEBRADA LOS PAJARITOS	QUEBRADA LOS PAJARITOS PRWQ74A	2.7	SD		4a	4a	5	3	D H J, L	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
CAÑO CONDE ÁVILA	CAÑO CONDE ÁVILA PRWK75A	4.0	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
QUEBRADA IRIZARRY	QUEBRADA IRIZARRY PRWQ76A	2.0	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	
RIO GUANAJIBO	RIO GUANAJIBO PRWR77A	119.3	SD	NS 50138000	5	5	5	5	F	Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Total, Phosphorus</i> Cyanide Turbidity
	RIO HONDO PRWR77B	17.2	SD		4a	4a	3	3	F H	Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO ROSARIO PRWR77C	58.3	SD	NS 50136700	5	5	5	5	F	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Pesticides</i> <i>Total, Phosphorus</i> <i>Turbidity</i> Cyanide
	RÍO VIEJO PRWR77D	21.1	SD	NS 50135625	5	5	5	5	F	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Cyanide</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Total, Phosphorus</i> Surfactants Temperature
	RÍO DUEY Y RÍO HOCONUCO PRWR77E	39.9	SD		4a	4a	3	3	F H	Agriculture Onsite Wastewater Systems	
	RÍO CAÍN PRWR77F	24.5	SD		4a	4a	3	3	F H	Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO CUPEYES PRWR77G	8.0	SD		4a	4a	5	5	D F H	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Pesticides</i>
	RÍO CRUCES PRWR77H	13.8	SD		4a	4a	3	3	F H	Collection System Failure Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO GRANDE PRWR77I	22.5	SD		4a	4a	3	3	F H	Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
CAÑO MERLE	CAÑO MERLE PRWK78A	1.6	SD		4a	4a	5	3	D H J L	Collection System Failure Onsite Wastewater Systems Surface Mining Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i> <i>Surfactants</i>
	QUEBRADA SÁBALO PRWQ78A1	9.5	SD		4a	4a	3	3	H J, L	Onsite Wastewater Systems	
RÍO YAGÜEZ	RÍO YAGÜEZ PRWR79A	42.2	SD	NS 50139000	5	5	5	1	J	Agriculture Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Package Plants (Small Flow) Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> Cyanide Temperature Total, Nitrogen, Total, Phosphorus Turbidity
QUEBRADA DEL ORO	QUEBRADA DEL ORO PRWQ80A	10.0	SD		4a	4a	3	3	H J	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	
CAÑO MANÍ	CAÑO MANÍ PRWK81A	3.0	SD		3	3	3	3	H	Onsite Wastewater Systems	
CAÑO BOQUILLA	CAÑO BOQUILLA PRWK82A	5.4	SD		3	3	3	3	H L	Landfill Onsite Wastewater Systems	
	CAÑO BOQUILLA PRWK82A1	3.0	SD		3	3	3	3	H L	Onsite Wastewater Systems	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	CAÑO BOQUILLA PRWK82A2	3.9	SD		3	3	3	3	H L	Major Industrial Point Sources Onsite Wastewater Systems	
RÍO GRANDE DE AÑASCO	RÍO GRANDE DE AÑASCO PRWR83A	126.0	SD	NS 50144000 50146000	5	5	5	5	K	Agriculture Collection System Failure Confined Animal Feeding Operations Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> pH <i>Turbidity</i> Copper Cyanide Temperature Total, Phosphorus
	RÍO CAÑAS PRWR83B	54.4	SD		4a	4a	3	3	H K	Agriculture Onsite Wastewater Systems	
	RÍO CASEY PRWR83C	38.1	SD		4a	4a	3	3	H K	Agriculture Onsite Wastewater Systems	
	RÍO HUMATA PRWR83D	13.3	SD		4a	4a	1	1	D H K	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO ARENAS PRWR83E	18.3	SD		4a	4a	3	3	H K	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO MAYAGUECILLO PRWR83F	18.0	SD		4a	4a	3	3	H K	Agriculture Onsite Wastewater Systems	
	RÍO GUABA PRWR83G	68.1	SD		4a	4a	3	3	H K	Agriculture Onsite Wastewater Systems	
	RÍO BLANCO PRWR83H	79.9	SD		4a	4a	3	3	H K	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	RÍO PRIETO PRWR83I	59.8	SD		4a	4a	5	5	D H K	Agriculture Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	<i>Pesticides</i>
QUEBRADA JUSTO	QUEBRADA JUSTO PRWQ84A	1.0	SD		3	3	3	3	H L	Onsite Wastewater Systems	
QUEBRADA ICACOS	QUEBRADA ICACOS PRWQ85A	1.4	SD		3	3	3	3	H L	Onsite Wastewater Systems	
QUEBRADA CAGUABO	QUEBRADA CAGUABO PRWQ86A	1.0	SD		3	3	3	3	H L	Onsite Wastewater Systems	
CAÑO GARCÍA	CAÑO GARCÍA PRWK87A	2.0	SD		3	3	3	3	H L	Onsite Wastewater Systems	
QUEBRADA GRANDE DE CALVACHE	QUEBRADA GRANDE DE CALVACHE PRWQ88A	14.8	SD		3	3	3	3	D H L	Onsite Wastewater Systems	
QUEBRADA LOS RAMOS	QUEBRADA LOS RAMOS PRWQ89A	6.9	SD		3	3	5	3	D H L	Confined Animal Feeding Operations Landfill Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
QUEBRADA PUNTA ENSENADA	QUEBRADA PUNTA ENSENADA PRWQ90A	5.0	SD		3	3	3	3	H L	Collection System Failure Onsite Wastewater Systems	
QUEBRADA PILETAS	QUEBRADA PILETAS PRWQ91A	2.0	SD		3	3	5	3	D H, L	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
RÍO GRANDE	RÍO GRANDE RWR92A	21.8	SD		3	3	3	3	H L	Onsite Wastewater Systems	
CAÑO DE SANTI PONCE	CAÑO DE SANTI PONCE PRWK93A	4.8	SD		4a	4a	3	3	H J, L	Collection System Failure Onsite Wastewater Systems	
RÍO GUAYABO	RÍO GUAYABO PRWR94A	43.1	SD		4a	4a	3	3	H J	Collection System Failure Onsite Wastewater Systems Urban Runoff/Storm Sewers	

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RIO CULEBRINAS	RIO CULEBRINAS PRWR95A	142.6	SD	NS 50149100	5	5	5	5	K	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Enterococci</i> <i>Pesticides</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i> Cyanide Temperature
	RIO CAÑO (RÍO CAÑAS) PRWR95B	33.3	SD		4a	4a	3	3	H K	Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	QUEBRADA GRANDE (SECTOR CUCHILLAS) PRWQ95C	11.4	SD		4a	4a	3	3	H K	Agriculture Onsite Wastewater Systems	
	QUEBRADA LAS MARIAS PRWQ95D	9.8	SD		4a	4a	3	3	H K	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	
	QUEBRADA YAGRUMA PRWQ95E	20.6	SD		4a	4a	3	3	H K	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	
	QUEBRADA LA SALLE PRWQ95F	11.8	SD		4a	4a	5	5	D H K	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>Pesticides</i>
	QUEBRADA EL SALTO PRWQ95G	7.8	SD		4a	4a	5	3	D H. K	Agriculture Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
	QUEBRADA GRANDE DE LA MAJAGUA PRWQ95H	5.6	SD		4a	4a	5	5	D H K	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Pesticides</i>

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Basin	Waterbody Name (AU ID)	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
	QUEBRADA SALADA PRWQ95I	7.9	SD		4a	4a	1	3	D H K	Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO SONADOR PRWR95J	37.7	SD		4a	4a	3	3	H K	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	
	RÍO GUATEMALA PRWR95K	20.3	SD		4a	4a	3	3	H K	Collection System Failure Confined Animal Feeding Operations Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	
CAÑO CORAZONES	CAÑO CORAZONES PRWK96A	1.3	SD		4a	4a	3	3	H J	Collection System Failure Onsite Wastewater Systems Urban Runoff/Storm Sewers	

Notes:

Bold and Red causes were listed into 2024 Cycle (New added causes).

Italicized and black causes were listed into and/or prior to 2024 Cycle. (Old causes)

A - Watershed that has an approved TMDL for Río Cibuco, the TMDL was approved in September 2002, the pollutant was Fecal Coliform.

B - Watershed that has an approved TMDL for Río de la Plata, the TMDL was approved in September 2003, the pollutant was Fecal Coliform.

C - Watershed that has an approved TMDL for Río Grande de Loíza, the TMDL was approved in September 2007, the pollutant was Fecal Coliform.

D - Watershed and subwatershed that do not have a permanent monitoring station but were included in prior cycles as part of the 303(d) List by a synoptic study or special monitoring project.

E - Watershed that has an approved TMDL for Río Grande de Loíza a TMDL was approved in August 2007, the pollutant was Dissolved Oxygen.

F - Watersheds that have approved TMDL in September 2012, the pollutant was Fecal Coliform.

G - Watershed that has an approved TMDL. Río Grande de Loíza, the TMDL was approved in August 2007, the pollutant was Copper.

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2024 cycle.

I - Watershed that has approved TMDL from Río Grande de Loíza, a TMDL was approved in August 2007, the pollutant was Ammonia.

J - Watersheds that have approved TMDL in September 2011, the pollutant was Fecal Coliform.

K - Watersheds that have an approved TMDL in September 2010, the pollutant was Fecal Coliform. The watersheds are Río Grande de Arecibo, Río Grande de Manatí, Río Grande de Añasco, Río Culebrinas

L - Watershed and subwatersheds, are waterbodies that lack adequate flow, which impaired some of the designated uses.

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

DW - Raw Source for Drinking Water

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Estuaries

Table 26: Size of Waters Impaired by Causes (Monitored squares miles for Estuaries)

Causes of Impairments 2021-2023 Cycle		Causes of Impairments Summary
Causes of Impairments	Size of Waters Impaired (sq. mi.)	Size of Waters Impaired (sq. mi.)
Arsenic	0	0.0364
Dissolved Oxygen	0	0.8618
Surfactants	0	1.0130
Temperature	0	0.0780
Turbidity	0	0.2932

Table 27: Size of Waters Impaired by Sources (Monitored and Unmonitored Estuaries)

Potential Sources of Pollution 2021-2023 Cycle		Potential Sources of Pollution Summary
Potential Sources of Pollution	Size of Waters Impaired (sq. mi.)	Size of Waters Impaired (sq. mi.)
Agriculture	0.263	0.263
Collection System Failure	3.226	3.226
Confined Animal Feeding Operations	2.283	2.283
Landfill	0.930	0.930
Major Industrial Point Sources	0.296	0.296
Major Municipal Point Sources	1.529	1.529
Minor Industrial Point Sources	0.223	0.223
Onsite Wastewater Systems	4.308	4.308
Surface Mining	0.229	0.229
Upstream Impoundment	0.459	0.459
Urban Runoff/Storm Sewers	3.067	3.067

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Table 28: Estuaries Assessment (Except San Juan Estuary System)

Basin	Waterbody Name (AU ID)	Waterbody Size (sq. mi.)	Class	2024 Monitoring Stations	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO GUAJATACA PRNR3A	RÍO GUAJATACA PRNE3A	0.048	SB		3	3	3	N/A	H	Onsite Wastewater Systems Surface Mining Urban Runoff/Storm Sewers	
QUEBRADA BELLACA PRNQ4A	QUEBRADA BELLACA PRNE4A	0.0042	SB		3	3	3	N/A	H	Onsite Wastewater Systems	
RÍO CAMUY PRNR5A	RÍO CAMUY PRNE5A	0.042	SB		4a	4a	3	N/A	F H	Onsite Wastewater Systems	
RÍO GRANDE DE ARECIBO PRNR7A	RÍO GRANDE DE ARECIBO PRNE7A	0.0847	SB		4a	4a	3	N/A	H K	Agriculture Urban Runoff/Storm Sewers	
CAÑO TIBURONES PRNE7.1	CAÑO TIBURONES PRNE7.1	0.2924	SB		4a	4a	3	N/A	H J	Confined Animal Feeding Operations Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	
RÍO GRANDE DE MANATÍ PRNR8A	RÍO GRANDE DE MANATÍ PRNE8A	0.2576	SB		4a	4a	3	N/A	H K	Urban Runoff/Storm Sewers	
RÍO CIBUCO PRNR9A	RÍO CIBUCO PRNE9A	0.2964	SB		N/A	N/A	3	N/A	A H	Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
RÍO DE LA PLATA PRER10A	RÍO DE LA PLATA PREE10A	0.8256	SB		4a	4a	3	N/A	B H	Collection System Failure Confined Animal Feeding Operations Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	

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Basin	Waterbody Name (AU ID)	Waterbody Size (sq. mi.)	Class	2024 Monitoring Stations	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO GRANDE DE LOIZA PRER14A	RÍO GRANDE DE LOIZA PREE14A	0.8685	SB		4a	4a	3	N/A	F H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	
RÍO HERRERA PRER15A	RÍO HERRERA PREE15A	0.102	SB		4a	4a	5	N/A	D F, H	Landfill Onsite Wastewater Systems	<i>Surfactants</i>
RÍO ESPÍRITU SANTO PRER16A	RÍO ESPÍRITU SANTO PREE16A	0.5758	SB		4a	4a	5	N/A	D F H	Collection System Failure Onsite Wastewater Systems	<i>Dissolved Oxygen Surfactants</i>
CAÑO RODRÍGUEZ PREK16.1	CAÑO RODRÍGUEZ PREE16.1	0.108	SB		3	3	3	N/A	H	Minor Industrial Point Sources Onsite Wastewater Systems	
RÍO MAMEYES PRER17A	RÍO MAMEYES PREE17A	0.1674	SB		4a	4a	3	N/A	F H	Onsite Wastewater Systems Surface Mining	
RÍO SABANA PRER19A	RÍO SABANA PREE19A	0.0288 mi ²	SB		4a	4a	3	N/A	H J	Urban Runoff/Storm Sewers	
RÍO JUAN MARTÍN PRER20A	RÍO JUAN MARTÍN PREE20A	0.0028	SB		4a	4a	3	N/A	H J	Urban Runoff/Storm Sewers	
RÍO FAJARDO PRER22A	RÍO FAJARDO PREE22A	0.068	SB		4a	4a	3	N/A	H J	Collection System Failure Urban Runoff/Storm Sewers	
RÍO DEMAJAGUA PRER23A	RÍO DEMAJAGUA PREE23A	0.0028	SB		4a	4a	5	N/A	D H, J	Collection System Failure Urban Runoff/Storm Sewers	<i>Turbidity</i>
QUEBRADA AGUAS CLARAS PREQ25A	QUEBRADA AGUAS CLARAS PREE25A	0.0024	SB		4a	4a	3	N/A	H J	Upstream Impoundment	
RÍO DAGUAO PRER26A	RÍO DAGUAO PREE26A	0.0672	SB		4a	4a	3	N/A	H J	Upstream Impoundment	
QUEBRADA PALMA PREQ27A	QUEBRADA PALMA PREE27A	0.005	SB		4a	4a	3	N/A	H J	Upstream Impoundment	

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Basin	Waterbody Name (AU ID)	Waterbody Size (sq. mi.)	Class	2024 Monitoring Stations	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
QUEBRADA BOTIJAS PREQ28A	QUEBRADA BOTIJAS PREE28A	0.0192	SB		4a	4a	3	N/A	H J	Upstream Impoundment	
RÍO SANTIAGO PRER29A	RÍO SANTIAGO PREE29A	0.0252	SB		4a	4a	3	N/A	H J	Onsite Wastewater Systems	
RÍO BLANCO PRER30A	RÍO BLANCO PREE30A	0.0512	SB		4a	4a	3	N/A	H J	Upstream Impoundment	
RÍO ANTON RUIZ PRER31A	RÍO ANTÓN RUIZ PREE31A	0.1296	SB		4a	4a	3	N/A	H J	Upstream Impoundment	
RÍO HUMACAO PRER33A	RÍO HUMACAO PREE33A	0.124	SB		4a	4a	3	N/A	F H	Collection System Failure Landfill Onsite Wastewater Systems	
RÍO CANDELERO PRER34A	RÍO CANDELERO PREE34A	0.078	SB		4a	4a	5	N/A	D F, H	Collection System Failure	<i>Dissolved Oxygen Temperature</i>
RÍO GUAYANÉS PRER35A	RÍO GUAYANÉS PREE35A	0.0364	SB		4a	4a	5	N/A	F H	Agriculture Collection System Failure Onsite Wastewater Systems	<i>Arsenic Turbidity</i>
CAÑO SANTIAGO PREK35.1	CAÑO SANTIAGO PREE35.1	0.1152	SB		4a	4a	5	N/A	D F H	Agriculture Collection System Failure Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen Surfactants Turbidity</i>
RÍO CHICO PRSR42A	RÍO CHICO PRSE42A	0.008	SB		4a	4a	3	N/A	H J, L	Onsite Wastewater Systems	
RÍO GRANDE DE PATILLAS PRSR43A	RÍO GRANDE DE PATILLAS PRSE43A	0.0136	SB		4a	4a	3	N/A	H J	Upstream Impoundment Urban Runoff/Storm Sewers	
QUEBRADA SALADA PRSQ46A	QUEBRADA SALADA PRSE46A	0.006	SB		4a	4a	3	N/A	H J L	Onsite Wastewater Systems Surface Mining	

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Basin	Waterbody Name (AU ID)	Waterbody Size (sq. mi.)	Class	2024 Monitoring Stations	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
QUEBRADA CORAZÓN PRSQ47A	QUEBRADA CORAZÓN PRSE47A	0.0054	SB		4a	4a	3	N/A	H J L	Onsite Wastewater Systems	
QUEBRADA BRANDERI PRSQ48A	QUEBRADA BRANDERI PRSE48A	0.012	SB		4a	4a	3	N/A	H J L	Onsite Wastewater Systems	
QUEBRADA MELANÍA PRSQ50A	QUEBRADA MELANÍA PRSE50A	0.012	SB		4a	4a	3	N/A	H J L	Onsite Wastewater Systems	
RÍO SECO PRSR51A	RÍO SECO PRSE51A	0.0036	SB		4a	4a	3	N/A	H J, L	Urban Runoff/Storm Sewers	
QUEBRADA AMORÓS PRSQ52A	QUEBRADA AMORÓS PRSE52A	0.0042	SB		4a	4a	3	N/A	H J L	Urban Runoff/Storm Sewers	
QUEBRADA AGUAS VERDES PRSQ53A	QUEBRADA AGUAS VERDES PRSE53A	0.0036	SB		4a	4a	3	N/A	F H L	Upstream Impoundment Urban Runoff/Storm Sewers	
RÍO NIGUAS DE SALINAS PRSR54A	RÍO NIGUAS DE SALINAS PRSE54A	0.011	SB		4a	4a	3	N/A	F H L	Onsite Wastewater Systems Upstream Impoundment	
RÍO COAMO PRSR57A	RÍO COAMO PRSE57A	0.0114	SB		4a	4a	3	N/A	H J, L	Agriculture Upstream Impoundment	
RÍO DESCALABRADO PRSR58A	RÍO DESCALABRADO PRSE58A	0.0048	SB		4a	4a	3	N/A	H J	Agriculture	
RÍO JACAGUAS PRSR60A	RÍO JACAGUAS PRSE60A	0.011	SB		4a	4a	3	N/A	F H, L	Agriculture Onsite Wastewater Systems	
RÍO INABÓN PRSR61A	RÍO INABÓN PRSE61A	0.0036	SB		4a	4a	3	N/A	F H	Urban Runoff/Storm Sewers	
RÍO MATILDE- PASTILLO PRSR64A	RÍO MATILDE- PASTILLO PRSE64A	0.0432	SB		4a	4a	5	N/A	D H J, L	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity

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Basin	Waterbody Name (AU ID)	Waterbody Size (sq. mi.)	Class	2024 Monitoring Stations	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO TALLABOA PRSR65A	RÍO TALLABOA PRSE65A	0.0336	SB		4a	4a	5	N/A	D, H J, L	Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Turbidity</i>
RÍO MACANÁ PRSR66A	RÍO MACANÁ PRSE66A	0.0036	SB		4a	4a	3	N/A	H J, L	Urban Runoff/Storm Sewers	
RÍO YAUCO PRSR68A	RÍO YAUCO PRSE68A	0.003	SB		4a	4a	3	N/A	F H, L	Upstream Impoundment	
RÍO LOCO PRSR69A	RÍO LOCO PRSE69A	0.0084	SB		4a	4a	3	N/A	F H	Onsite Wastewater Systems Surface Mining Urban Runoff/Storm Sewers	
QUEBRADA BOQUERÓN PRWQ71A	QUEBRADA BOQUERÓN PRWE71A	0.0096	SB		4a	4a	3	N/A	H J	Urban Runoff/Storm Sewers	
QUEBRADA ZUMBÓN PRWQ72A	QUEBRADA ZUMBÓN PRWE72A	0.003	SB		4a	4a	3	N/A	H J L	Onsite Wastewater Systems	
QUEBRADA GONZÁLEZ PRWQ73A	QUEBRADA GONZÁLEZ PRWE73A	0.008	SB		4a	4a	3	N/A	H J L	Upstream Impoundment	
QUEBRADA LOS PAJARITOS PRWQ74A	QUEBRADA LOS PAJARITOS PRWE74A	0.003	SB		4a	4a	3	N/A	H J L		
RÍO GUANAJIBO PRWR77A	RÍO GUANAJIBO PRWE77A	0.0576	SB		4a	4a	3	N/A	H J	Collection System Failure Onsite Wastewater Systems	
CAÑO MERLE PRWK78A	CAÑO MERLE PRWE78A	0.158	SB		4a	4a	5	N/A	D, H J, L	Collection System Failure	<i>Surfactants</i>
RÍO YAGÜEZ PRWR79A	RÍO YAGÜEZ PRWE79A	0.0192	SB		4a	4a	3	N/A	H J	Collection System Failure Urban Runoff/Storm Sewers	
CAÑO BOQUILLA PRWK82A	CAÑO BOQUILLA PRWE82A	0.062	SB		3	3	5	N/A	D H L	Onsite Wastewater Systems	<i>Dissolved Oxygen Surfactants Turbidity</i>

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Basin	Waterbody Name (AU ID)	Waterbody Size (sq. mi.)	Class	2024 Monitoring Stations	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RÍO GRANDE DE AÑASCO PRWR83A	RÍO GRANDE DE AÑASCO PRWE83A	0.2376	SB		4a	4a	3	N/A	H K	Onsite Wastewater Systems	
QUEBRADA GRANDE CALVACHE PRWQ88A	QUEBRADA GRANDE CALVACHE PRWE88A	0.002	SB		4a	4a	5	N/A	D H L	Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
QUEBRADA LOS RAMOS PRWQ89A	QUEBRADA LOS RAMOS PRWE89A	0.0006	SB		3	3	3	N/A	H L	Collection System Failure	
RÍO GRANDE PRWR92A	RÍO GRANDE PRWE92A	0.0028	SB		4a	4a	3	N/A	H J, L		
CAÑO DE SANTI PONCE PRWK93A	CAÑO DE SANTI PONCE PRWE93A	0.0032	SB		4a	4a	3	N/A	H J L	Onsite Wastewater Systems	
RÍO GUAYABO PRWR94A	RÍO GUAYABO PRWE94A	0.0288	SB		4a	4a	5	N/A	D H, J	Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
RÍO CULEBRINAS PRWR95A	RÍO CULEBRINAS PRWE95A	0.1344	SB		4a	4a	3	N/A	H K	Onsite Wastewater Systems Upstream Impoundment	

Notes:

Bold and Red causes were listed into 2024 Cycle (New added causes).

Italicized and black causes were listed into and/or prior to 2024 Cycle. (Old causes)

A - Watershed that has an approved TMDL for Río Cibuco, the TMDL was approved in September 2002, the pollutant was Fecal Coliform.

B - Watershed that has an approved TMDL for Río de la Plata, the TMDL was approved in September 2003, the pollutant was Fecal Coliform.

D - Watershed and subwatershed that do not have a permanent monitoring station but were included in prior cycles as part of the 303(d) List by a synoptic study or special monitoring project.

F - Watersheds that have approved TMDL in September 2012, the pollutant was Fecal Coliform.

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2024 cycle

J - Watersheds that have approved TMDL in September 2011, the pollutant was Fecal Coliform

K - Watersheds that have an approved TMDL in September 2010, the pollutant was Fecal Coliform. The watersheds are Río Grande de Arecibo, Río Grande de Manatí, Río Grande de Añasco and Río Culebrinas.

L - Watershed and subwatersheds, are waterbodies that lack adequate flow, which impaired some of the designated uses.

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

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DW - Raw Source for Drinking Water

N/A - Not applicable

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San Juan Bay Estuary System

Table 29: Size of Waters Impaired by Causes San Juan Bay Estuary System

Causes of Impairments 2021-2023 Cycle		Causes of Impairments Summary
Causes of Impairments	Size of Waters Impaired (sq. mi., miles)	Size of Waters Impaired (sq. mi., miles)
Ammonia	0	0
Chromium VI	0	3.8340 sq. mi.
Copper	0.1009 sq. mi.	0.1009 sq. mi., 18.8 mi.
Dissolved Oxygen	3.8340 sq. mi., 18.8 mi.	3.8340 sq. mi., 18.8 mi.
Enterococci	3.8340 sq. mi.	3.8340 sq. mi., 18.8 mi.
Lead	0.1009 sq. mi.	0.1009 sq. mi.
Mercury	3.8340 sq. mi.	3.8340
Oil and Grease	3.8340 sq. mi., 18.8 mi	3.8340 sq. mi. 18.8 mi.
pH	3.7331 sq. mi., 18.8 mi.	3.7331 sq. mi., 18.8 mi.
Surfactants	0.1009 sq. mi.	0.1009 sq. mi.
Temperature	3.8340 sq. mi., 18.8 mi.	3.8340 sq. mi., 18.8 mi.
Total, Nitrogen	3.8340 sq. mi.	3.8340 sq. mi.
Total, Phosphorus	3.8340 sq. mi.	3.8340 sq. mi.
Turbidity	3.8340 sq. mi., 18.8 mi.	3.8340 sq. mi., 18.8 mi.

Table 30: Size of Waters Impaired by Sources San Juan Bay Estuary System

Potential Sources of Pollution 2021-2023 Cycle		Potential Sources of Pollution Summary
Potential Sources of Pollution	Size of Waters Impaired (sq. mi., miles)	Size of Waters Impaired (sq. mi., miles)
Collection System Failure	3.8340 sq. mi., 18.8 mi	3.8340 sq. mi., 18.8 mi
Confined Animal Feeding Operations	3.8340 sq. mi, 18.8 mi	3.8340 sq. mi., 18.8 mi
Landfill	0.1009 sq. mi.	0.1009 sq. mi.
Major Industrial Point Sources	18.8 mi	18.8 mi
Major Municipal Point Sources	18.8 mi	18.8 mi
Marinas and Recreational Boating	18.8 mi	18.8 mi
Onsite Wastewater Systems	3.7331 sq. mi., 18.8 mi	3.7331 sq. mi., 18.8 mi
Urban Runoff/Storm Sewers	3.8340 sq. mi., 18.8 mi	3.8340 sq. mi., 18.8 mi

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Table 31: San Juan Bay Estuary System Assessment

Basin	Waterbody Name (AU ID)	Waterbody Size (sq. mi., miles)	2024 Monitoring Stations NS = Network ED = External Data	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL	DW			
ESTUARY SYSTEM	PREE13A1 - Caño Control de La Malaria - Bahía de San Juan - Caño San Antonio - Laguna Del Condado - Península La Esperanza	18.8 miles	NS ED – BSJ 1, 2, 3 LC 1, 2 CSA La Malaria PLE	5	5	5	N/A	F M	Collection System Failure Confined Animal Feeding Operations Major Industrial Point Sources Major Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater System Urban Runoff/Storm Sewers	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Oil & Grease</i> <i>pH</i> <i>Temperature</i> <i>Turbidity</i>
ESTUARY SYSTEM	PREE13A2 - Río Piedras - Lago Las Curías	0.1009 sq. mi.	NS 89027 50049100 ED – RP 01, 02, 03 RPN Lago Las Curías	5	5	5	5	F M	Collection System Failure Confined Animal Feeding Operations Landfill Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Copper</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Lead</i> <i>Surfactants</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i> Mercury Oil and Grease
ESTUARY SYSTEM	PREE13A3 - Caño Martín Peña - Quebrada Juan Méndez - Quebrada San Antón - Quebrada Blasina - Canal Machicote	3.7331 sq. mi.	NS 50050300 ED – CS 1, 2 CMP LSJ 1, 2 Blasina San Antón Laguna Los Corozos	5	5	5	N/A	M	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater System Urban Runoff/Storm Sewers	<i>Chromium VI</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>pH</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>

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Basin	Waterbody Name (AU ID)	Waterbody Size (sq. mi., miles)	2024 Monitoring Stations NS = Network ED = External Data	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL	DW			
	- Canal Suárez - Laguna San José - Laguna Torrecillas - Laguna de Piñones - Laguna Los Corozos		LagunaTorrecilla 1, 2, 3							Mercury Oil and Grease

Notes:

Bold and Red causes were listed into 2024 Cycle (New added causes).

Italicized and black causes were listed into and/or prior to 2024 Cycle. (Old causes)

F - Watersheds that have approved TMDL in September 2012, the pollutant was Fecal Coliform.

M - External Data

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

DW - Raw Source for Drinking Water

N/A - Not applicable

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Lagoons

Table 32: Size of Waters Impaired by Causes (Monitored square miles for Lagoons)

Causes of Impairments 2021-2023 Cycle		Causes of Impairments Summary
Causes of Impairments	Size of Waters Impaired (sq. mi.)	Size of Waters Impaired (sq. mi.)
Copper	0	2.6172
Dissolved Oxygen	0	3.8781
Enterococci	0	0.5250
pH	0	1.2703
Temperature	0	0.4016
Turbidity	0	1.4344

Table 33: Size of Waters Impaired by Sources (Monitored and Unmonitored square miles for Lagoons)

Potential Sources of Pollution 2021-2023 Cycle		Potential Sources of Pollution Summary
Potential Sources of Pollution	Size of Waters Impaired (sq. mi.)	Size of Waters Impaired (sq. mi.)
Landfill	0.0219	0.0219
Marinas and Recreational Boating	0.6234	0.6234
Minor Industrial Point Sources	0.2859	0.2859
Onsite Wastewater Systems	2.3125	2.3125
Unknown Source	2.3657	2.3657
Urban Runoff/Storm Sewers	2.6328	2.6328

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Table 34: Lagoons Assessment (Monitored and Unmonitored)

Municipality	Waterbody Name (AU ID)	Class	2024 Monitoring Stations	WB Size (sq. mi.)	Overall Designated Uses and Categories			Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL			
MAYAGÜEZ	Laguna Joyudas PRWN0005	SB		0.5297	4a	4a	5	H J	Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	<i>Copper</i> <i>Dissolved Oxygen</i>
VEGA BAJA- MANATÍ	Laguna Tortuguero PRNN0006	SE		0.8656	3	3	5	H	Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
DORADO	Laguna Mata Redonda PRNN0007	SB		0.0234	3	3	5	H	Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i> <i>pH</i>
FAJARDO	Laguna Aguas Prietas PREN0011	SB		0.2	3	3	5	H	Unknown Source	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Turbidity</i>
FAJARDO	Laguna Grande PREN0012	SB		0.3375	5	5	5	H	Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i> <i>Enterococci</i> <i>pH</i>
CEIBA	Laguna Ceiba PREN0013	SB		0.1875	5	5	5	H	Unknown Source	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>pH</i>
GUAYAMA	Laguna Pozuelo PRSN0014	SB		0.0547	3	3	5	H	Unknown Source Urban Runoff/Storm Sewers	<i>Copper</i> <i>Dissolved Oxygen</i> <i>pH</i> <i>Temperature</i>
SALINAS	Laguna Mar Negro PRSN0015	SB		0.325	3	3	5	H	Urban Runoff/Storm Sewers Unknown Source	<i>Copper</i> <i>Dissolved Oxygen</i> <i>pH</i>
SALINAS	Laguna Punta Arenas PRSN0016	SB		0.0281	3	3	5	H	Unknown Source Urban Runoff/Storm Sewers	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Temperature</i> <i>Turbidity</i>

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Municipality	Waterbody Name (AU ID)	Class	2024 Monitoring Stations	WB Size (sq. mi.)	Overall Designated Uses and Categories			Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL			
SALINAS	Laguna Tiburones PRSN0017	SB		0.0219	3	3	5	H	Landfill Unknown Source	<i>Copper Dissolved Oxygen pH Temperature Turbidity</i>
PONCE	Laguna Salinas PRSN0018	SB		0.1203	3	3	5	H	Onsite Wastewater Systems Unknown Source	<i>Copper Dissolved Oxygen</i>
CABO ROJO	Laguna Salinas I (Fraternidad) PRSN0019	SB		0.4594	3	3	5	H	Onsite Wastewater Systems Unknown Source	<i>Copper Dissolved Oxygen Turbidity</i>
CABO ROJO	Laguna Cabo Rojo 2 (Candelaria) PRSN0020	SB		0.2969	3	3	5	H	Unknown Source	<i>Copper Dissolved Oxygen Temperature Turbidity</i>
CABO ROJO	Laguna Cabo Rojo 3 (El Faro) PRSN0021	SB		0.1078	3	3	5	H	Unknown Source	<i>Copper Dissolved Oxygen Turbidity</i>
CABO ROJO	Caño Boquerón PRSN0022	SB		0.2859	3	3	5	H	Marinas and Recreational Boating Minor Industrial Point Sources Unknown Source	<i>Copper Dissolved Oxygen pH Turbidity</i>
CABO ROJO	Laguna Guaniquilla PRSN0023	SB		0.0344	3	3	5	H	Unknown Source	<i>Dissolved Oxygen pH Turbidity</i>
LAJAS	Laguna Cartagena PRSN0024	SE		0.4688	3	3	3	H	Urban Runoff/Storm Sewers	

Notes:

Bold and Red causes were listed into 2024 Cycle (New added causes).

Italicized and black causes were listed into and/or prior to 2024 Cycle. (Old causes)

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2024 cycle.

J - Watersheds that have approved TMDL in September 2011, the pollutant was Fecal Coliform.

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

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Lakes

Table 35: Size of waters Impaired by Causes (Monitored Acres for Lakes)

Causes of Impairments 2021-2023 Cycle		Causes of Impairments Summary
Causes of Impairments	Size of Waters Impaired (acres)	Size of Waters Impaired (acres)
Arsenic	0	1,194
Copper	0	2,500
Dissolved Oxygen	7,269	7,323
Enterococci	0	35
Lead	0	1,726
Mercury	0	35
Pesticides	0	2,133
pH	3,888	6,301
Surfactants	0	634
Temperature	4,090	4,790
Total, Nitrogen	5,772	6,849
Total, Phosphorus	4,365	7,269
Turbidity	4,446	5,080

Table 36: Size of waters Impaired by Sources (Monitored Acres for Lakes)

Potential Sources of Pollution 2021-2023 Cycle		Potential Sources of Pollution Summary
Potential Sources of Pollution	Size of Waters Impaired (acres)	Size of Waters Impaired (acres)
Agriculture	3,680	3,680
Collection System Failure	1,914	1,914
Confined Animal Feeding Operations	3,870	3,870
Landfill	560	560
Major Industrial Point Sources	285	285
Minor Industrial Point Sources	2,949	2,949
Onsite Wastewater Systems	6,623	6,623
Unknown Source	108	1,232
Urban Runoff/Storm Sewers	1,413	1,413

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Table 37: Lakes Assessment

Basin	Waterbody Name (AU ID)	Waterbody Size (acres)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RIO GUAJATACA	LAGO GUAJATACA PRNL3A1	1000	SD	NS 10720 10790 10790C	4a	4a	5	5	F	Confined Animal Feeding Operations Minor industrial Point Sources Onsite Wastewater Systems	<i>Dissolved Oxygen pH Temperature Total, Nitrogen Total, Phosphorus</i>
RIO GRANDE DE ARECIBO	LAGO DOS BOCAS PRNL17A1	634	SD	NS 25110 27090 27090E	4a	4a	5	5	K N	Agriculture Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Unknown Source (9000)	<i>Arsenic Copper Dissolved Oxygen pH Surfactants Temperature Total, Nitrogen Total, Phosphorus Turbidity</i>
RIO GRANDE DE ARECIBO	LAGO CAONILLAS PRNL27C1	700	SD	NS 89001 89002 89003	4a	4a	5	5	K	Agriculture Onsite Wastewater Systems	<i>Copper Dissolved Oxygen Pesticides Total, Nitrogen Total, Phosphorus Turbidity</i>
RIO GRANDE DE ARECIBO	LAGO GARZAS PRNL37A3	108	SD	NS 20050	4a	4a	5	5	K	Agriculture Onsite Wastewater Systems	<i>Copper Dissolved Oxygen Lead Pesticides Total, Phosphorus pH</i>
RIO GRANDE DE MANATÍ	LAGO GUINEO PRNL18C1	54	SD		4a	4a	5	5	H K	Agriculture Onsite Wastewater Systems	<i>Dissolved Oxygen Pesticides</i>

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Basin	Waterbody Name (AU ID)	Waterbody Size (acres)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RIO GRANDE DE MANATÍ	LAGO MATRULLAS PRNL ₂ 8C1	77	SD	NS 89009 89010	4a	4a	5	5	K	Agriculture Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Lead</i> <i>pH</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> Turbidity
RIO DE LA PLATA	LAGO DE LA PLATA PREL ₁ 10A1	560	SD	NS 44400 44950 44950C	4a	4a	5	5	B N	Collection System Failure Confined Animal Feeding Operations Landfill Onsite Wastewater Systems	<i>Arsenic</i> <i>Dissolved Oxygen</i> <i>Lead</i> <i>pH</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> Turbidity
RIO DE LA PLATA	LAGO CARITE PREL ₂ 10A5	333	SD	NS 39900 39950 39950C	4a	4a	5	5	B	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>pH</i> <i>Total, Phosphorus</i> <i>Total, Nitrogen</i> Turbidity
RIO BAYAMON	LAGO CIDRA PREL ₁₂ A2	268	SD	NS 89029 89030 89031	4a	4a	5	5	F	Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Lead</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> Turbidity

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Basin	Waterbody Name (AU ID)	Waterbody Size (acres)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RIO GRANDE DE LOIZA	LAGO LOIZA PREL14A1	713	SD	NS 57500 58800 58800D	4a	4a	5	5	C	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper Dissolved Oxygen Lead pH Temperature Total, Nitrogen Total, Phosphorus Turbidity
RIO GRANDE DE PATILLAS	LAGO PATILLAS PRSL43A1	312	SD	NS 89022 89023 89024	4a	4a	5	5	J	Agriculture Onsite Wastewater Systems	Dissolved Oxygen Pesticides pH Temperature Total, Phosphorus
QUEBRADA MELANIA	LAGO MELANIA PRSL50A	35	SD	NS 89026	4a	4a	5	5	J	Agriculture Onsite Wastewater Systems	Enterococci Mercury Pesticides Temperature Total, Nitrogen Total, Phosphorus Dissolved Oxygen pH Turbidity
RIO JACAGUAS	LAGO GUAYABAL PRSL160A1	373	SD	NS 89011 89012 89013	4a	4a	5	5	F	Agriculture Collection System Failure Minor Industrial Point Sources Onsite Wastewater Systems	Dissolved Oxygen Pesticides pH Total, Nitrogen Total, Phosphorus Turbidity

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Basin	Waterbody Name (AU ID)	Waterbody Size (acres)	Class	2024 Monitoring Stations NS = Network	Overall Designated Use Attainment				Notes	Potential Sources of Pollution	Causes of Impairment
					R1	R2	AL	DW			
RIO JACAGUAS	LAGO TOA VACA PRSL260A1	836	SD	NS 89014 89015 89016	4a	4a	5	5	F	Agriculture Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>pH</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Temperature</i> Turbidity
RIO BUCANA-CERRILLOS	LAGO CERRILLOS PRSL62A1	700	SD	NS 89032 89033 89034	4a	4a	5	5	J	Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i> <i>pH</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i>
RIO YAUCO	LAGO LUCHETTI PRSL68A1	266	SD	NS 89017 89018 89019	4a	4a	5	5	F	Agriculture Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>Pesticides</i> <i>pH</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
RIO LOCO	LAGO LOCO PRSL69A	69	SD	NS 89021C	4a	4a	5	5	F	Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>pH</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i>
RIO GRANDE DE AÑASCO	LAGO GUAYO PRWL83H	285	SD	NS 89004 89005 89006	4a	4a	5	5	K	Agriculture Confined Animal Feeding Operations Major Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>Pesticides</i> <i>pH</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>

Notes:

Bold and Red causes were listed into 2024 Cycle (New added causes).

Italicized and black causes were listed into and/or prior to 2024 Cycle. (Old causes)

B - Watershed that has an approved TMDL for Río de la Plata, the TMDL was approved in September 2003, the pollutant was Fecal Coliform.

C - Watershed that has an approved TMDL for Río Grande de Loíza, the TMDL was approved in September 2007, the pollutant was Fecal Coliform.

F - Watersheds that have approved TMDL in September 2012, the pollutant was Fecal Coliform.

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H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2024 cycle.

J - Watersheds that have approved TMDL in September 2011, the pollutant was Fecal Coliform.

K - Watersheds that have an approved TMDL in September 2010, the pollutant was Fecal Coliform. The watersheds are Río Grande de Arecibo, Río Grande de Manatí, Río Grande de Añasco, Río Culebrinas.

N - Remains in 2020 303(d) list due to old segmentation evaluation.

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

DW - Raw Source for Drinking Water

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Coastal Shoreline

Table 38: Size of Waters Impaired by Causes (Monitored Miles for Coastal Waters)

Causes of Impairments 2021-2023 Cycle		Causes of Impairments Summary
Causes of Impairments	Size of Waters Impaired (miles)	Size of Waters Impaired (miles)
Arsenic	0	49.19
Copper	0	380.83
Dissolved Oxygen	43.9	92.65
Enterococci	212.8	331.0
Fecal Coliforms	0	7.79
Lead	0	152.17
Mercury	0	213.37
Nickel	0	170.90
Oil and Grease	0	82.42
pH	50.5	190.52
Temperature	196.9	280.8
Thallium	0	203.74
Turbidity	248.3	434.94
Zinc	0	43.80

Table 39: Size of Waters Impaired by Sources (Monitored and Unmonitored Coastal waters)

Potential Sources of Pollution 2021-2023 Cycle		Potential Sources of Pollution Summary
Potential Sources of Pollution	Size of Waters Impaired (miles)	Size of Waters Impaired (miles)
Agriculture	40.96	40.96
Collection System Failure	39.80	39.80
Debris and bottom deposits	100.30	100.30
Hazardous wastes	100.30	100.30
Highway/Road/Bridge Construction	4.20	4.20
Landfills	7.00	7.0
Major Industrial Point Sources	107.27	107.27
Major Municipal Point Sources	74.22	74.22
Marinas and Recreational Boating	211.13	211.13
Minor Municipal Point Sources	98.19	98.19
Onsite Wastewater Systems	436.49	436.49
Surface Mining	7.50	7.50
Unknown Source	91.29	91.29
Upstream Impoundment	138.01	138.01
Urban Runoff/Storm Sewer	373.14	373.14

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Table 40: Coastal Shoreline Waters Assessment (Monitored and Unmonitored waters)

Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PRNC01 (Punta Borinquén to Punta Sardina)	11.75	SB	NS MAC-044 SBZ-003 SBZ-004 SBZ-005	1	1	5		Onsite Wastewater Systems	Copper Thallium
PRNC02 (Punta Sardina to Punta Manglillo)	14.1	SB	NS MAC-047 MAC-086 SBZ-006	5	5	5		Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper Enterococci Lead Thallium Turbidity
PRNC03 (Punta Manglillo to Punta Morrillos)	9.65	SB	NS SBZ-007 SEG3-01	5	5	5		Collection System Failure Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	Copper Enterococci Temperature Turbidity
PRNC04 (Punta Morrillos to Punta Manatí)	13.66	SB	NS MAC-049 MAC-055 SBZ-008	5	5	5		Collection System Failure Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	Copper Enterococci Mercury Nickel pH Thallium Turbidity
PRNC05 (Punta Manatí to Punta Chivato)	7.46	SB	NS SBZ-010 SEG5-01	5	5	5		Unknown Source	Copper Enterococci Mercury pH Thallium Turbidity Temperature
PRNC06 (Punta Chivato to Punta Puerto Nuevo)	3.23	SB	NS MAC-087 RW-23	5	5	5		Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Copper Enterococci Mercury Temperature Turbidity

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PRNC07 (Punta Puerto Nuevo to Punta Cerro Gordo)	5.05	SB	NS MAC-088 SEG7-01 RW-17	1	1	5		Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Copper Mercury pH Temperature Turbidity
PRNC08 (Punta Cerro Gordo to Punta Boca Juana)	7.32	SB	NS SBZ-013 SBZ-014 RW-18	5	5	5		Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Arsenic Copper Enterococci Lead Nickel Turbidity Zinc
PREC09 (Punta Boca Juana to Punta Salinas)	5.78	SB	NS MAC-077 SEG9-01 RW-19	5	5	5		Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Arsenic Copper Enterococci Lead Nickel Turbidity pH
PREC10B (Punta Salinas to Río Bayamón Mouth)	2.91	SB	NS MAC-063	5	5	5		Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper Enterococci Lead Mercury Nickel Turbidity
PREC10C (Río Bayamon Mouth to Isla de Cabras)	6.63	SB	NS SEG10C-01 SEG10C-02	5	5	5		Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper Enterococci Lead Mercury Nickel pH Temperature Thallium Turbidity Zinc

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PREC11 (Isla de Cabras to Punta del Morro)	7.79	SB		5	5	5	H	Major Industrial Point Sources Major Municipal Point Sources Marinas and Recreational Boating Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Arsenic Copper Dissolved Oxygen Fecal Coliforms
PREC12 (Punta del Morro to West side of Condado Bridge)	3.5	SB	NS SBZ-018, SBZ-019, RW-20B, RW-20A, ED- CariCoos Buoy	5	5	1	M		Enterococci pH Turbidity Temperature
PREC13 (East side of Condado Bridge to Punta Las Marías)	4.31	SB	NS B-1 B-2 RW-26 RW-27	5	5	5		Urban Runoff/Storm Sewers	Copper Enterococci Lead Mercury Temperature Thallium Turbidity
PREC14 (Punta Las Marías to Punta Cangrejos)	4.19	SB	NS EB-40 B-3 SEG14-01 SEG14-02 RW-21C	1	1	5		Marinas and Recreational Boating Urban Runoff/Storm Sewers	Arsenic Copper Lead Temperature Thallium Turbidity
PREC15 (Punta Cangrejos to Punta Vacía Talega)	6.23	SB	NS SBZ-024 SBZ-026	5	5	5		Onsite Wastewater Systems Urban Runoff/Storm Sewers	Arsenic Copper Enterococci Mercury Nickel Thallium Temperature Turbidity

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PREC16 (Punta Vacía Talega to Punta Miquillo)	9.46	SB	NS SBZ-027 SBZ-028	5	5	5		Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Arsenic</i> <i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i> <i>Zinc</i>
PREC17 (Punta Miquillo to Punta La Bandera)	8.41	SB	NS MAC-009 SEG17-01 RW-1A RW-1C	1	1	5		Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Mercury</i> <i>Temperature</i> <i>Turbidity</i>
PREC18 (Punta La Bandera to Cabezas de San Juan)	10.46	SB	NS MAC-010 SBZ-030 RW-2	1	1	5		Unknown Source	<i>Copper</i> <i>pH</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
PREC19 (Cabezas de San Juan to Punta Barrancas)	7.08	SB	NS MAC-078	5	5	5		Marinas and Recreational Boating Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Oil & Grease</i> <i>Temperature</i> <i>Turbidity</i>
PREC20 (Punta Barrancas to Punta Medio Mundo)	5.33	SB	NS SEG20-01 SEG20-02	5	5	5		Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
PREC21 (Punta Medio Mundo to Punta Puerca)	3.0	SB		3	3	3	H		

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PREC22 (Punta Puerca to Isla Cabras)	3.3	SB		3	3	3	H		
PREC23 (Isla Cabras to Punta Cascajo)	8.83	SB	NS SEG23-01	1	1	5		Major Industrial Point Sources Marinas and Recreational Boating	<i>Copper</i> <i>Turbidity</i>
PREC24 (Punta Cascajo to Punta Lima)	9.07	SB	SEG24-02	5	5	5		Major Industrial Point Sources Upstream Impoundment	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Temperature</i> <i>Turbidity</i>
PREC25 (Punta Lima to Morro de Humacao)	9.83	SB	NS MAC-080 MAC-081 SEG25-01 RW-4 RW-31	5	5	5		Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Mercury</i> <i>Temperature</i> <i>Turbidity</i>
PREC26 (Morro de Humacao to Punta Candelero)	1.84	SB	NS SEG26-01	5	5	5		Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Temperature</i> <i>Turbidity</i>
PREC27 (Punta Candelero to Punta Guayanés)	3.74	SB	NS SEG27-01	5	5	5		Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Arsenic</i> <i>Copper</i> <i>Enterococci</i> <i>Thallium</i> <i>Turbidity</i>
PREC28B (Punta Quebrada Honda to Punta Yeguas)	0.74	SB	NS SBZ-038	5	5	5		Onsite Wastewater Systems Unknown Source	<i>Copper</i> <i>Enterococci</i> <i>Thallium</i> <i>Turbidity</i>

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PREC28C (Punta Guayanés to Punta Quebrada Honda)	4.68	SB	NS MAC-012 SBZ-037	5	5	5		Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Arsenic Copper Enterococci Mercury Oil & Grease Temperature Thallium Turbidity
PREC29 (Punta Yeguas to Punta Tuna)	4.35	SB	NS SEG29-01 SEG29-02	5	5	5		Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Copper Enterococci Lead pH Thallium Turbidity Temperature
PREC30 (Punta Tuna to Cabo Mala Pascua)	2.65	SB	NS MAC-082	5	5	5		Unknown Source	Copper Enterococci Turbidity
PRSC31 (Cabo Mala Pascua to Punta Viento)	4.06	SB	SEG31-01	5	5	5		Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	Copper Enterococci Temperature Thallium Turbidity
PRSC32 (Punta Viento to Punta Figuras)	6.16	SB	NS MAC-083 SBZ-040 RW-6 RW-7	5	5	5		Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	Copper Dissolved Oxygen Enterococci Mercury Temperature Thallium Turbidity

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PRSC33 (Punta Figuras to Punta Ola Grande)	8.1	SB	NS MAC-017 SEG33-01	5	5	5		Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Temperature</i> <i>Turbidity</i>
PRSC34 (Punta Ola Grande to Punta Petrona)	40.96	SB	NS MAC-019 SEG34-01 SEG34-02 ED - Stations 09, 10, 19 and 20 from Natural Reserve of Jobos Bay	5	5	5	M	Agriculture Major Industrial Point Sources Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>Oil & Grease</i> <i>pH</i> <i>Temperature</i> <i>Turbidity</i>
PRSC35 (Punta Petrona to Punta Cabullones)	16.19	SB	NS MAC-020 SEG35-01 SEG35-02 ED - CariCoos Buoy	5	5	5	M	Major Municipal Point Sources Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>Thallium</i> <i>Turbidity</i> <i>Zinc</i>
PRSC36B (Punta Cabullones to Punta Carenero)	2.53	SB	NS SEG36B-01	1	1	5		Major Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococcus</i> <i>Mercury</i> <i>pH</i> <i>Temperature</i> <i>Turbidity</i>
PRSC36C (Punta Carenero to Punta Cuchara)	6.70	SB	NS MAC-022 MAC-023	5	5	5		Major Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Mercury</i> <i>Oil & Grease</i> <i>Turbidity</i>

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PRSC37B (Punta Cuchara to Cayo Parguera)	3.3	SB	NS MAC-084	5	5	5		Surface Mining Unknown Source Upstream Impoundment Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Mercury</i> <i>Nickel</i> <i>pH</i> <i>Turbidity</i>
PRSC37C (Cayo Parguera to Punta Guayanilla)	4.2	SB	NS MAC-024 MAC-025	5	5	5		Major Industrial Point Sources Major Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater Systems Surface Mining Upstream Impoundment Urban Runoff/Storm Sewers	<i>Copper</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>Oil & Grease</i> <i>Thallium</i> <i>Turbidity</i> <i>Zinc</i>
PRSC38 (Punta Guayanilla to Punta Verraco)	13.2	SB	NS MAC-027 MAC-028 MAC-089	5	5	5		Major Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	<i>Copper</i> <i>Mercury</i> <i>Enterococci</i> <i>Oil & Grease</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
PRSC39 (Punta Verraco to Punta Ballena)	6.41	SB	NS MAC-030 SEG39-01 G1	1	1	5		Unknown Source	<i>Copper</i> <i>Thallium</i> <i>Turbidity</i>
PRSC40 (Punta Ballena to Punta Brea)	13.26	SB	NS MAC-034 MAC-085 RW-9	1	1	5		Marinas and Recreational Boating Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Nickel</i> <i>pH</i> <i>Temperature</i> <i>Turbidity</i>

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PRSC41B1 (Punta Brea to Bahía Fosforescente La Parguera)	10.93	SB	NS SBZ-045 SEG41B1-01 RW-10	1	1	5		Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>pH</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
PRSC41A1 (Bahía Fosforescente La Parguera)	2.0	SA		3	3	3	H		
PRSC41B2 (Bahía Fosforescente La Parguera to Punta Cueva de Ayala)	7.0	SB	NS SBZ-046 SEG41B2-01 RW-33	1	1	5	M	Landfill Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>pH</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
PRSC41A2 (Bahía Monsio José)	3.72	SA		3	3	3	H		
PRSC41B3 (Bahía Monsio José to Faro de Cabo Rojo)	13.45	SB	NS SEG41B3-01 SEG41B3-02	5	5	5		Unknown Source	<i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Mercury</i> <i>Nickel</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
PRWC42 (Faro de Cabo Rojo to Punta Águila)	2.89	SB	NS SEG42-01	1	1	5		Unknown Source	<i>Dissolved Oxygen</i> <i>Enterococci</i> <i>pH</i> <i>Temperature</i> <i>Turbidity</i>

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PRWC43 (Punta Águila to Punta Guaniquilla)	9.54	SB	NS MAC-037 SBZ-047, SBZ-048 RW-12A RW-12B RW-13 RW-14A	1	1	5		Collection System Failure Marinas and Recreational Boating Minor Municipal Point Sources Onsite Wastewater Systems	<i>Enterococci</i> <i>Temperature</i> <i>Turbidity</i>
PRWC44 (Punta Guaniquilla to Punta La Mela)	2.5	SB	NS SBZ-050 SBZ-051, RW-8	1	1	5		Onsite Wastewater Systems	<i>Enterococci</i> <i>pH</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
PRWC45 (Punta La Mela to Punta Carenero)	2.95	SB	NS SEG45-01	5	5	5		Collection System Failure Marinas and Recreational Boating Onsite Wastewater Systems	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Thallium</i> <i>Turbidity</i>
PRWC46 (Punta Carenero to front of Cayo Ratones)	4.0	SB	NS SBZ-052	5	5	5		Collection System Failure Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Lead</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
PRWC47 (In front of Cayo Ratones to Punta Guanajibo)	3.85	SB	NS SEG47-01	1	1	5		Onsite Wastewater Systems	<i>Copper</i> <i>Nickel</i> <i>Turbidity</i> Temperature
PRWC48 (Punta Guanajibo to Punta Algarrobo)	5.6	SB	NS MAC-038 MAC-040	5	5	5		Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>Oil & Grease</i> <i>pH</i> <i>Thallium</i> <i>Turbidity</i> Temperature

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PRWC49 (Punta Algarrobo to Punta Cadena)	6.98	SB	NS MAC-041 SEG49-01 RW-15	5	5	5		Major Municipal Point Sources Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Nickel</i> <i>pH</i> <i>Temperature</i> <i>Turbidity</i>
PRWC50 (Punta Cadena to Punta Higüero)	4.98	SB	NS SBZ-054 SBZ-055 RW-5	5	5	5		Onsite Wastewater Systems Unknown Source Upstream Impoundment	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>Turbidity</i> <i>pH</i> Temperature
PRWC51 (Punta Higüero to Punta del Boquerón)	6.14	SB	NS SEG51-01 SEG51-02 RW-22	5	5	5		Onsite Wastewater Systems Unknown Source	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>Turbidity</i>
PRWC52 (Punta del Boquerón to Punta Borinquén)	6.8	SB	NS MAC-043 SBZ-002 SBZ-003 SBZ004 RW-16 RW-16A	1	1	5		Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Copper</i> <i>Turbidity</i>
PRCC53 (Culebra Island)	32.7	SB	NS RW-3	2	2	5	H	Debris and bottom deposits Hazardous Wastes Marinas and Recreational Boating Onsite Wastewater Systems	<i>pH</i> <i>Turbidity</i>
PRVC54A (Bahía Mosquito)	3.0	SA		3	3	3	H		

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Waterbody Name (AU ID)	Size of AU (miles)	Class	2024 Monitoring Station NS - Network ED - External Data	Overall Designated Use Attainment			Notes	Potential Sources of Pollution	Causes of Impairment
				R1	R2	AL			
PRVC54B (Vieques Island)	67.6	SB		1	1	2		Debris and bottom deposits Hazardous Wastes Marinas and Recreational Boating Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	
PRMC55 (Mona Island)	18.6	SB		3	3	3	H		

Notes:

Bold and Red causes were listed into 2024 Cycle (New added causes).

Italicized and black causes were listed into and/or prior to 2024 Cycle. (Old causes)

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2024 cycle.

M – External Data

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

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PART C. CWA Section 314 (Clean Lakes Program)

The reservoirs in PR were constructed in the main rivers basins to store water for domestic and industrial consumption, irrigation, production of electrical power, floods control, and recreation. The recreational activities performed in the reservoirs include direct contact (swimming), indirect contact (recreational fishing and strolls in boats). Also, and more important is that lakes are mostly used as raw sources of drinking water supply and for protection and propagation of fish, shellfish, and wildlife (aquatic life).

The Clean Lakes Monitoring Network operated by DNRE monitors the water quality in the 18 major lakes or reservoirs that are mostly used as raw sources of drinking water (Table 12). Water quality monitoring is also used to identify trends in lake water quality improvement or contamination and to update lake trophic status.

Lakes trophic status is determined as follows. Table 41 to

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Table 43 show the criteria for the determination of the trophic status.

Oligotrophic (O) - Low levels of nutrients in lakes, poor primary production, and sunlight.

Mesotrophic (M) - Moderate levels of nutrients in lakes, primary production, and moderate penetration of sunlight.

Eutrophic (E) - High levels of nutrients, high primary production, dense aquatic plants growth, low sunlight penetration.

Table 41: OPSI/CEPIS Criteria for the Determination of the Trophic Status

Trophic Status	Phosphorus concentration (mg/L)
Oligotrophic (O)	< 0.03
Mesotrophic (M)	0.03 – 0.05
Eutrophic (E)	> 0.05

Table 42: Trophic Status of Significant Lakes/Reservoirs

Description	Number of Lakes/Reservoirs	Acres of Lakes/Reservoirs
Total in State	19 *	7,378
Assessed	18 **	7,324
Oligotrophic	7	3,688
Mesotrophic	3	220
Eutrophic	8	3,416

* Including Las Curiás Lake (55 acres) (SJBES)

** Lago Guineo (54 acres) not assess for this cycle

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Table 43: Puerto Rico Lakes Trophic Status

Lake	Lake Size (acres)	AU	Trophic Status ¹ [P mg/L] ²	
			2022 Cycle (Oct.2019-Sept. 2021)	2024 Cycle (Oct.2021-Sept.2023)
Guajataca	1000	PRNL3A1	(0.08) E	0.01 O
Dos Bocas	634	PRNL ₁ 7A1	(0.13) E	0.14 E
Caonillas	700	PRNL ₂ 7C1	(0.06) E	0.02 O
Garzas	108	PRNL ₃ 7A3	(0.38) E	0.04 M
Matrullas	77	PRNL ₂ 8C1	(0.04) M	0.07 M
La Plata	560	PREL ₁ 10A1	(0.04) M	0.14 E
Carite	333	PREL ₂ 10A5	(0.03) M	0.01 O
Cidra	268	PREL12A2	(0.10) E	0.02 O
Las Curias	55	PREE13A2	(0.10) E	0.11 E
Loíza	713	PREL14A1	(0.18) E	0.18 E
Patillas	312	PRSL43A1	(0.04) M	0.11 E
Melanía	35	PRSL50A	(0.10) E	0.03 M
Guayabal	373	PRSL ₁ 60A	(0.08) E	0.07 E
Toa Vaca	836	PRSL ₂ 60A	(0.04) M	0.02 O
Cerrillos	700	PRSL62A	(0.06) E	0.07 E
Luchetti	266	PRSL68A1	(0.09) E	0.02 O
Loco	69	PRSL69A	(0.02) O	0.18 E
Guayo	285	PRWL83H	Not assessed	0.02 O

(1) LAKES TROPHIC STATUS:

Oligotrophic (O) - Low levels of nutrients in lakes, poor primary production, and sunlight.

Mesotrophic (M) - Moderate levels of nutrients in lakes, primary production, and moderate penetration of sunlight.

Eutrophic (E) - High levels of nutrients, high primary production, dense aquatic plants growth, low sunlight penetration.

(2) Phosphorous value corresponds to the average data during two-year period.

Following is the trend analysis for low dissolved oxygen (DO) for each monitored lake (Table 44). This trend analysis was based on *Oficina Panamericana de la Salud e Ingeniería / Centro Panamericano de Ingeniería Sanitaria y Ciencias del Ambiente* (OPSI/CEPIS, in spanish) criteria.

Table 44: Trend Analysis for Low Dissolve Oxygen Parameter in Puerto Rico Lakes

Lakes	Lake Size (acres)	DO* (mg/L)			Trend
		2020 Cycle	2022 Cycle	2024 Cycle	
Caonillas	700	4.4	4.2	4.5	Improved
Guayo	285	3.8	4.1	4.4	Stable
Matrullas	77	4.4	5.2	4.3	Degraded
Guayabal	373	5.4	5.9	5.3	Degraded
Toa Vaca	836	3.5	5.1	4.9	Stable
Luchetti	266	4.9	7.6	4.9	Degraded
Loco	69	5.4	3.7	5.4	Improved
Patillas	312	4.6	4.4	4.3	Stable
Las Curias	55	1.8	2.4	2.5	Stable
Cidra	268	4.9	3.9	4.3	Improved
Cerrillos	700	5.2	4.7	3.6	Degraded
Loíza	713	4.0	4.9	4.2	Degraded
Guajataca	1000	5.7	4.8	4.4	Degraded

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Lakes	Lake Size (acres)	DO* (mg/L)			Trend
		2020 Cycle	2022 Cycle	2024 Cycle	
Dos Bocas	634	5.3	5.2	5.0	Stable
Carite	333	4.3	5.2	5.1	Stable
La Plata	560	4.3	4.4	3.8	Degraded
Garzas	108	3.6	3.5	3.8	Stable
Melanía	35	7.1	7.7	6.5	Degraded

* Dissolved oxygen value corresponds to the average data during two-year period.

PART D. Wetlands and Coral Reefs

1.0 Wetlands

Public policy on wetlands in PR defines wetlands as those saturated by surface and groundwater systems, in an interval and duration, sufficient to support vegetation typically adapted to saturated soil conditions, flooding or engulf. For the protection of wetlands, there are no specific parameters of water quality, however in the PRWQSR, as amendment on August 8, 2022, in order to be consistent with the anti-degradation policy, classification SE of waters: “surface water and wetlands of exceptional ecological value, whose existing conditions shall be altered in order to preserve its natural characteristics”. The concentration of any parameter, whether considered in Rule 1303.2(E), shall not be altered, except by natural phenomena, as defined in PRWQSR. In PR the protection and conservation of wetlands is the result of the efforts of several local and federal agencies, namely PRDRNA, Corps of Engineers (COE), United States Fish and Wildlife Service (USFWS) and the USEPA, as well as community groups and environmental organizations.

Wetlands are the coastal ecosystems that are most abundant in PR. Examples of estuarine wetlands are those close to coastal rivers, salt flats and mangroves. Freshwater wetlands comprise about 24% of the total area of wetlands. Freshwater wetlands include swamps, ponds, marshes, and humid grasslands (Figure 8). Other wetlands categories comprise 11% of the total area of wetlands. Estuarine and freshwater wetlands are most abundant in the eastern, 2/3 of the north coast of the island, and all along the south coast, although examples are found on all coasts of the main island Vieques and Culebra have no freshwater wetlands (Figure 9). The estuarine wetlands comprise about 65% of the total area of wetlands. Examples of estuarine wetlands are those close to coastal rivers, salt flats and mangroves.

Wetlands provide habitat for thousands of species of fish, wildlife and plants, and act as nurseries for many saltwater and freshwater fishes and shellfish of commercial significance. They also provide important ecological services such as flood control, water filtration and the supply of groundwater, and they provide recreational and wildlife viewing opportunities for millions of people. Wetlands are facing numerous, ongoing challenges, such as agriculture, development, and resource extraction, as well as sea level rise, increasing storm severity and drought due to climate change.

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The factors that most influence coastal wetlands are drainage, channelization and filling, disposal of industrial, agricultural, and domestic waste, civil constructions, tourism expansion, storms and hurricanes, global climate change. The value of wetlands in PR for wildlife is well documented. For example, the salt flats of Cabo Rojo, on the southwest coast, provide areas for rest and feeding of hundreds of migratory birds en route between North and South America. This area is one of the most valuable wetlands of the island. Before the drainage of coastal wetlands for agricultural purposes, freshwater marshes such as the Laguna Cartagena, Guánica Lagoon and swamp supplied water-logged habitat for hundreds of species of resident and migratory birds.

The wetlands of the highlands of central area are the last refuge of the Puerto Rican parrot, an endangered species. Even wetlands of metropolitan San Juan (Laguna La Torrecilla, Torrecilla Baja, Laguna de Piñones to Vacía Talega) provide excellent habitats for wildlife, fish hatcheries maintain high economic value and provide recreational and educational opportunities to population.

Thirty-eight (38) species of vertebrates, mollusks and crustaceans and forty-six (46) species of birds, some rare or endangered species, such as the ladybug, the gannet, the Dominican duck, duck, and pigeon-headed Warbler have been seen in these areas. Beaches, also associated with these urban wetlands provide nesting sites for Hawksbill turtles and leatherback shell, both endangered species (Del Llano et al, 1986). In PR, each acre impacted is mitigated by 0.79 acres instead of 1.01 acres as required by public policy of zero losses; indeed, the practice adopted by proponents of creating wetlands followed by the improvement, restoration, and preservation, represents a threat to these systems by the time it takes to reach its former productivity and functionality (Perez, 2003).

U.S. Fish and Wildlife Service completed the most comprehensive and detailed U.S. wetland data set ever produced, capping a thirty- five (35) year effort by the Service to map the extent of the nation's wetlands. The Wetlands Inventory Mapper has digitally mapped and made publicly available wetlands in the lower forty-eight (48) states, including PR. It is an invaluable aid to landowners, developers, government planners and permitting authorities, conservation organizations and academic institutions in their collective efforts to ensure wetland conservation and inform economic development.

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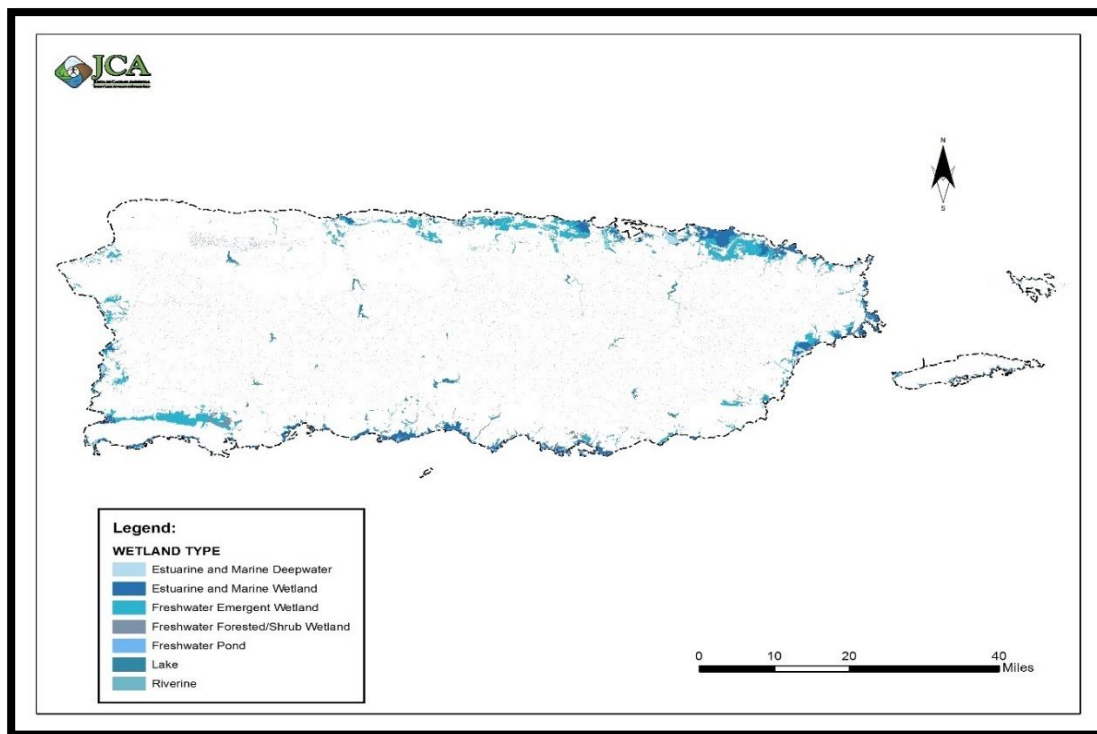


Figure 8: Puerto Rico Wetlands Type

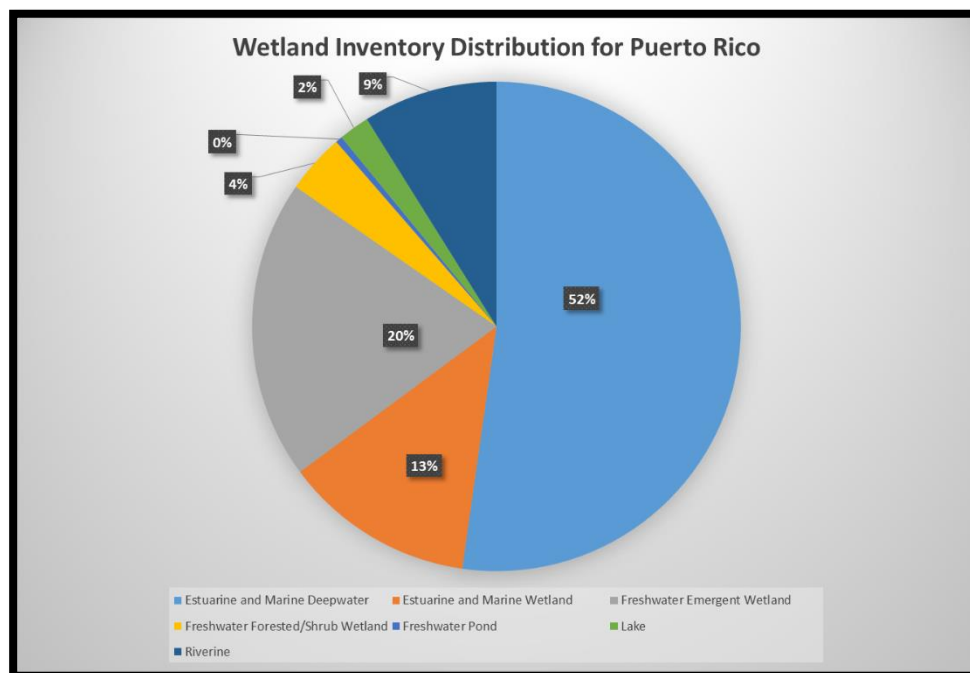


Figure 9: Puerto Rico Wetlands Distribution

2.0 Coral Reef Ecosystem

Coral reefs are the most productive ecosystems in the marine environment. They are closely related to other terrestrial and marine ecosystems. Some of these associated ecosystems are coastal wetlands, which include mangroves, marine wetlands, such as seagrasses, beaches among others. Coral reefs provide an extraordinary amount of goods and services, such as: protection of the coast, habitats for fishing craft, commercial and recreational fishing, spaces for education, research, recreation and tourism, food (Alvarez-Filip L., 2009; Barbier, E.B., 2011; Kennedy, E.V et al., 2013; Ferrario, F., et al. 2014). Furthermore, are a source of natural products of high pharmacological value in food production and in biomedical investigation (Goenaga and Boulon, 1992).

However, the coral reefs in PR are significantly degraded due to a variety of anthropogenic factors that exacerbate the impacts of natural factors (e.g., hurricanes, diseases, syndromes in corals) (Hernandez-Delgado, 2005). The anthropogenic factors that could affect the coral reef ecosystem are the following: deforestation, and sedimentation. The deterioration of the water quality is mainly associated with a combination of precise and dispersed sources of pollution. Indiscriminate extraction and overfishing could destabilize the ecosystem.

PR is surrounded by approximately 500,000 hectares of coral reef ecosystems of easy access, whose depth does not exceed 20 meters (PMZC, 2009). The biodiversity at the coral reefs of P R is representative of this region of the Caribbean. The most extensive development of coral reefs is observed in the Southwest and northeast of the insular shelf of PR. The northeast coast is partially protected from wave action by a string of emerging reefs that provide protection, (DNER-PMZC 2011). The natural reserve, in Fajardo and La Reserve Natural of Luis Peña Channel in Culebra contain the most diverse coral reefs in this region. (Hernández - Delgado E.A. 2005; Schärer-M.T., M.I. Németh, C. ten 2009; García - Sais, et al.2008a). The importance of coral reefs and their status in PR is not different to what happens elsewhere. Coral reefs, according to the Management Plan for the Conservation and Protection of Coral Reefs of PR of 2009, present conditions of lower coral cover, increased disease, significant algal colonization of all kinds, species invasion exotic and overall loss of biodiversity in the ecosystem (Strategic Management Plan of the Coral Reefs in PR, DNER, 2014).

In PR the Law 147, *Ley para la Protección, Conservación y Manejo de los Arrecifes de Coral en PR*, to develop a conservation program, management, and protection of coral reefs, and it promotes the development of a sustainable management plan. The act defines a coral reef as the ecosystem of coral, skeleton of this and other marine species associated with the same, such as seagrass and marine herbs.

The PRDNER in collaboration with NOAA developed a Benthic Habitat of PR and the U.S. Virgin Island (Figure 10). These images were used to create maps of the region's coral reefs, seagrass beds, mangrove forests, and other important marine habitats that are related with the coral reef ecosystem (Figure 11 thru Figure 13).

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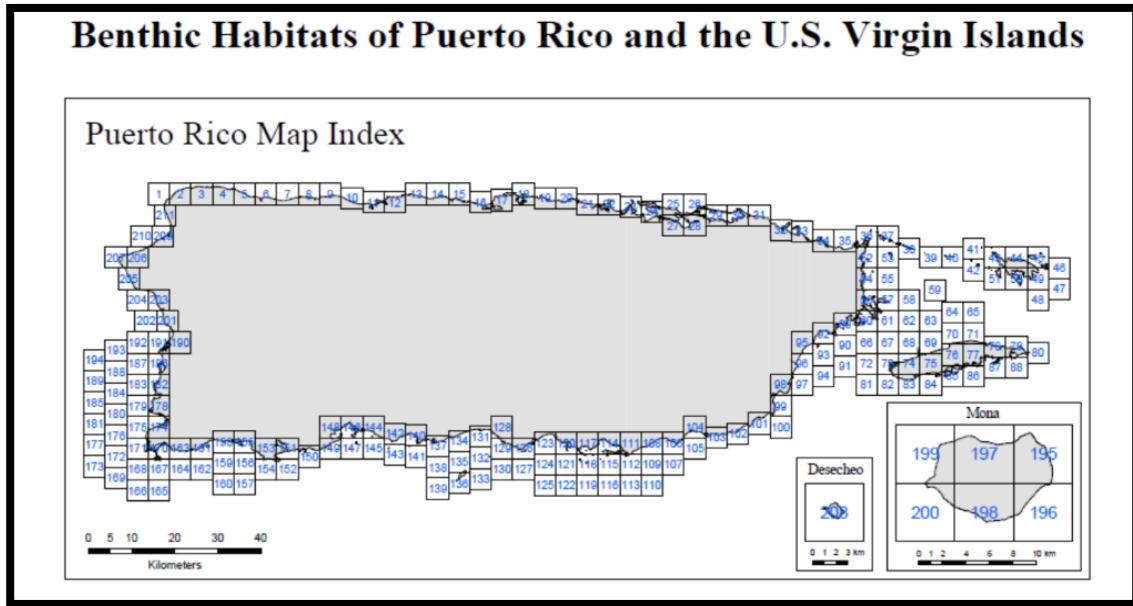


Figure 10: Benthic Habitats of Puerto Rico and the U.S. Virgin Islands

On the other hand, the PRDNER are conducting inspections at different basins throughout all PR with the purpose of maintain an inventories of the discharging of points and non points sources of contamination. These inspections are intended to identify all possible sources of contamination and lead to fulfillment of the facilities that represent potential sources of pollution. These actions improve the water quality of the water body and will protect the marine ecosystems including the coral reef ecosystem.

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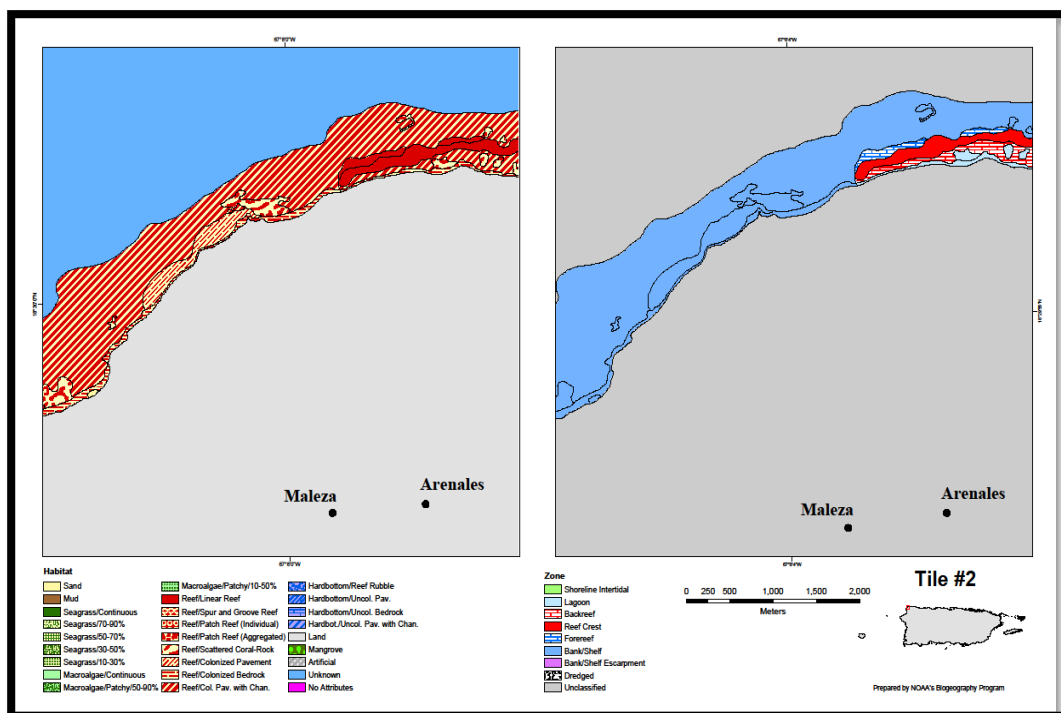


Figure 11: Example of one tile of the Benthic Map and the habitat classification

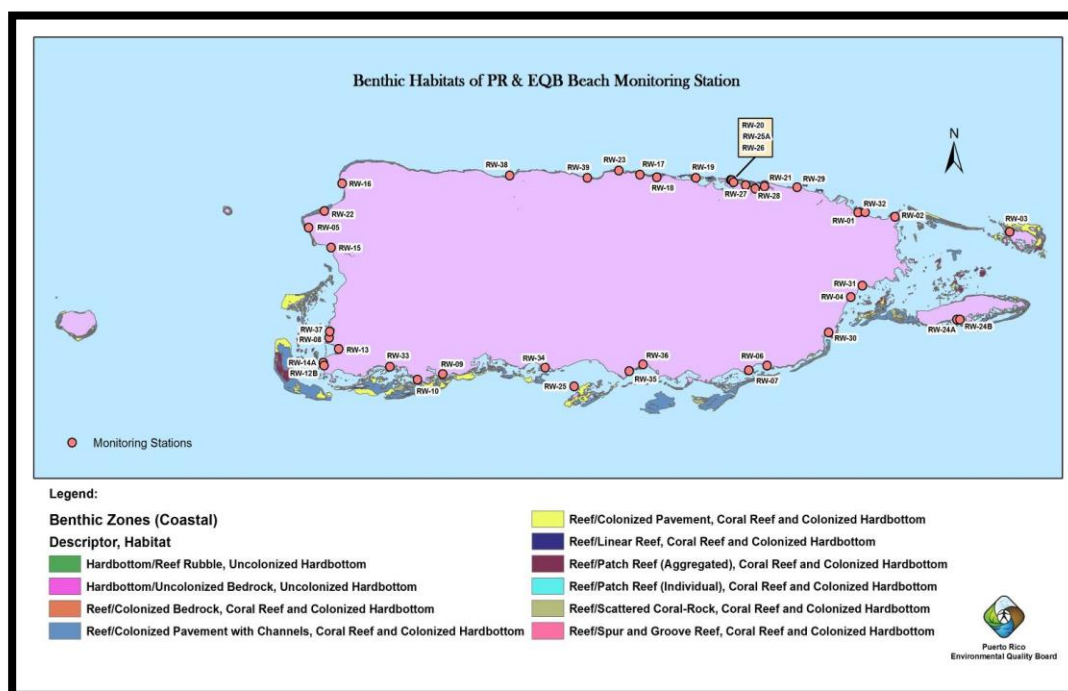


Figure 12: Benthic Habitats of PR and the Location of the PREQB Beach Monitoring Station

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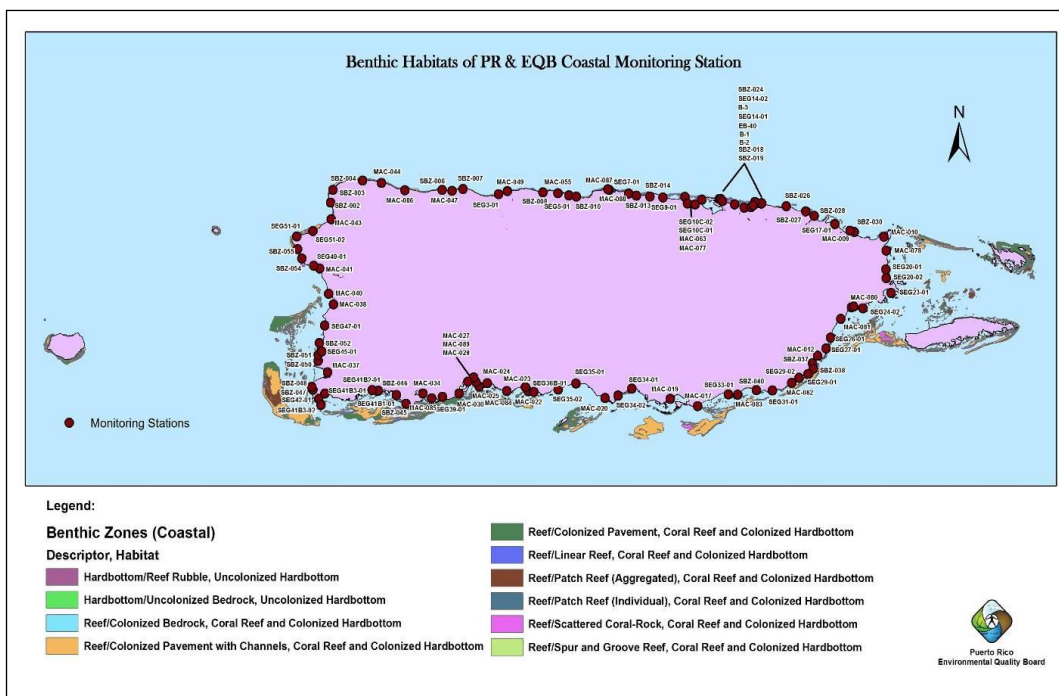


Figure 13: Benthic Habitats of PR and the Location of the PREQB Coastal Monitoring Station

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PART E. 303(d) List

1.0 Listing Criteria

The PR 2024 List of Impaired Waters (303(d) List) is based on the water quality data generated through the water quality monitoring networks, as explained in Section 2.0 Monitoring Program. In the case of the 2024 303(d) List, we considered the most recent available water quality data for each parameter in each AU (either new data or collected during October 1, 2021, to September 30, 2023). In this assessment, the AU will be assessed as established in *Section V. Five – Part Categorization of Water of the Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of Clean Water Act*.

A segment (AU) is considered impaired when WQS are not being supported and/ or met and is considered threatened when WQS are not expected to be fully supported and/or met in the next listing cycle. In classifying the status of water quality in 2006, states have the option to report each AU in one or more categories (multiple categories option).

When monitoring results are below the detection level, half of the detection level will be used to determine compliance with the applicable standard. In cases where the detection level is above the water quality standard, DNER will not include the parameter on the 303(d) list unless definitive data above the detection level is available.

In the case of Oils and Grease parameter, the applicable water quality narrative standard establishes that: “The waters of Puerto Rico will be substantially free of floating oils and grease not derived from petroleum, as well as oils and grease derived from petroleum”. This narrative standard is interpreted as zero concentration to reflect the absence of oils and grease. Since the lowest possible detection level for the analysis of oils and grease is 5 mg/L, the DRNA will not include this parameter in list 303(d) unless definitive data are available above the detection level.

The waters considered to be impaired have been included in Category 5 and it is necessary to develop and implement a TMDL for the parameter not in compliance. In the case of basin for which TMDLs have been developed, the AU will continue to be listed for those parameters that were not addressed in the TMDL. Those parameters addressed in the TMDL are delisted from the respective AU.

If any of the parameters listed in the 2022 cycle exceed the applicable water quality standard at least once in 2024 Cycle, the parameter continues to appear as an impairment cause and the AU continues to be listed in Category 5. The 303(d) List 2024 will be included in Appendix I of this Integrated Report.

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2.0 Delisting Criteria

If a previously listed parameter complied fully with the applicable water quality standard during the 2022 (October 1, 2019, to September 30, 2021) and 2024 (October 1, 2021, to September 30, 2023) cycles, that specific parameter will be delisted from 303(d) List.

PRDNER will remove a specific parameter from the list when the TMDL for the corresponding AU has been approved by USEPA. Among other valid delisting reasons are change in water quality standard, original basis for listing was incorrect, hydrological and habitat alteration (4c).

During this cycle it is proposed to remove forty-six (46) parameter/assessment unit's combination from the 303(d) List (Table 45).

Table 45: Parameter/AU Combinations to be delisted

AU ID	TYPE OF WATER	PARAMETER	REASON FOR DELISTING
1. PRNR7A1	River	Temperature	Water Quality Standard met
2. PRNR7A1	River	Total, Phosphorus	Water Quality Standard met
3. PRNR7C1	River	Total, Nitrogen	Water Quality Standard met
4. PRNR7C1	River	Turbidity	Water Quality Standard met
5. PRNR7C2	River	Total, Nitrogen	Water Quality Standard met
6. PRNR7C2	River	Turbidity	Water Quality Standard met
7. PRNR7C3	River	Total, Nitrogen	Water Quality Standard met
8. PRNR7C3	River	Total, Phosphorus	Water Quality Standard met
9. PRNR7C3	River	Turbidity	Water Quality Standard met
10. PRNR8E1	River	Total, Nitrogen	Water Quality Standard met
11. PRNR8E1	River	Turbidity	Water Quality Standard met
12. PRER10A3	River	pH	Water Quality Standard met
13. PRER10A5	River	Copper	Water Quality Standard met
14. PRER10A5	River	Lead	Water Quality Standard met
15. PRER10A5	River	pH	Water Quality Standard met
16. PRER10J	River	pH	Water Quality Standard met
17. PRER10J	River	Total, Phosphorus	Water Quality Standard met
18. PRER12A1	River	Ammonia	Water Quality Standard met
19. PRER12B	River	Dissolved Oxygen	Water Quality Standard met
20. PRER14A1	River	Total, Phosphorus	Water Quality Standard met
21. PRER14G2	River	Ammonia	Water Quality Standard met
22. PRER14G2	River	pH	Water Quality Standard met
23. PRER14G2	River	Surfactants	Water Quality Standard met
24. PRER14I	River	Surfactants	Water Quality Standard met
25. PRER33A	River	Ammonia	Water Quality Standard met
26. PRER33A	River	Mercury	Water Quality Standard met
27. PRER33A	River	pH	Water Quality Standard met
28. PRER35A	River	pH	Water Quality Standard met
29. PRER35A	River	Lead	Water Quality Standard met
30. PRSR43A2	River	pH	Water Quality Standard met
31. PRSR57A2	River	pH	Water Quality Standard met

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AU ID	TYPE OF WATER	PARAMETER	REASON FOR DELISTING
32. PRSR62A1	River	Temperature	Water Quality Standard met
33. PRSR62A2	River	pH	Water Quality Standard met
34. PRSR62A2	River	Total, Phosphorus	Water Quality Standard met
35. PRSR62A2	River	Turbidity	Water Quality Standard met
36. PRSR63A	River	Temperature	Water Quality Standard met
37. PRSR63A	River	Total, Nitrogen	Water Quality Standard met
38. PRSR63A	River	Total, Phosphorus	Water Quality Standard met
39. PRSR63A	River	Turbidity	Water Quality Standard met
40. PRSR67A	River	Turbidity	Water Quality Standard met
41. PRWR77D	River	Turbidity	Water Quality Standard met
42. PRWR95A	River	Copper	Water Quality Standard met
43. PREE13A2	SJBES	Ammonia	Water Quality Standard met
44. PREE13A3	SJBES	Ammonia	Water Quality Standard met
45. PREE13A3	SJBES	Surfactants	Water Quality Standard met
46. PRNL27C1	Lake	pH	Water Quality Standard met

3.0 Priority Ranking and TMDL Development Status

As result of the development of PR Unified Watershed Assessment and Restoration Activities (PRUWARA), eighteen (18) main basins, which correspond to one hundred – fifteen (115) AU were identified as high priority where the PRDNER would implement restoration activities including developing TMDLs. The criteria used to establish the priority ranking and selection of basins appear in the document PRUWARA. Table 46 identifies the priority basins according to the corresponding regions.

Table 46: Priority Basins

BASIN	REGION	AU PER BASIN
Quebrada Blasina	East	1
Río Bayamón	East	5
Río Blanco	East	2
Río Grande de Loíza	East	15
Río Hondo	East	1
Río De La Plata	East	18
Río Piedras	East	1
Río Cibuco	North	6
Río Grande de Arecibo	North	12
Río Grande de Manatí	North	11
Río Guajataca	North	4
Río Coamo	South	3
Río Grande de Patillas	South	4
Río Guayanilla	South	1
Río Culebrinas	West	11
Río Grande de Añasco	West	10
Río Guanajibo	West	9
Río Yagüez	West	1

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In the 2002 303 (d) List, the PRDNER established a priority ranking to determine the sequence of development for restoration activities, including the development and implementation of the TMDL. This priority ranking considered the priority of basins restoration and established three levels of priority:

- ✓ **High Priority:** basins including in the PRUWARA as basins of priority due to the high pollution level related to all the designated uses.
- ✓ **Intermediate (moderate) Priority:** basins that were not included in the PRUWARA and have 50% or more of its waters as impaired for some designated use.
- ✓ **Low Priority:** basins that were not included in the PRUWARA and have less than 50% of its waters listed as impaired for some designated use.

In determining the priority for the development of TMDLs for listings watersheds ranking priorities, pollution severity, and changes in regulations applicable to water quality standards are taken into consideration. For the 2024 cycle, three hundred forty-eight (348) AU / parameter is evaluated as a high priority for the development of the TMDLs (Table 47) and five hundred thirty (530) with intermediate (moderate) and low priority (Table 48).

Table 47: Basin Assessment Units/Parameter Combination with high priority to development of TMDL

Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
1. Río Guajataca	Río Guajataca	PRNR3A1	Chromium VI	H
2. Río Guajataca	Río Guajataca	PRNR3A1	Cyanide	H
3. Río Guajataca	Río Guajataca	PRNR3A1	Dissolved Oxygen	H
4. Río Guajataca	Río Guajataca	PRNR3A1	Enterococci	H
5. Río Guajataca	Río Guajataca	PRNR3A1	Surfactants	H
6. Río Guajataca	Río Guajataca	PRNR3A1	Total, Nitrogen	H
7. Río Guajataca	Río Guajataca	PRNR3A2	Chromium VI	H
8. Río Guajataca	Río Guajataca	PRNR3A2	Cyanide	H
9. Río Guajataca	Río Guajataca	PRNR3A2	Enterococci	H
10. Río Guajataca	Río Guajataca	PRNR3A2	pH	H
11. Río Guajataca	Río Guajataca	PRNR3A2	Total, Nitrogen	H
12. Río Guajataca	Río Guajataca	PRNR3A2	Total, Phosphorus	H
13. Río Guajataca	Río Guajataca	PRNR3A2	Turbidity	H
14. Río Guajataca	Quebrada Las Sequías	PRNQ3B	Arsenic	H
15. Río Guajataca	Quebrada Las Sequías	PRNQ3B	Dissolved Oxygen	H
16. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A1	Chromium VI	H
17. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A1	Enterococci	H
18. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A1	Turbidity	H
19. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A2	Chromium VI	H
20. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A2	Enterococci	H
21. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A2	Pesticides	H

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
22. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A2	Temperature	H
23. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A2	Total, Nitrogen	H
24. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A2	Total, Phosphorus	H
25. Río Grande de Arecibo	Río Grande de Arecibo	PRNR7A2	Turbidity	H
26. Río Grande de Arecibo	Túnel	PRNR7A3	Chromium VI	H
27. Río Grande de Arecibo	Túnel	PRNR7A3	Cyanide	H
28. Río Grande de Arecibo	Túnel	PRNR7A3	Enterococci	H
29. Río Grande de Arecibo	Túnel	PRNR7A3	pH	H
30. Río Grande de Arecibo	Túnel	PRNR7A3	Total, Phosphorus	H
31. Río Grande de Arecibo	Río Caonillas	PRNR7C1	Chromium VI	H
32. Río Grande de Arecibo	Río Caonillas	PRNR7C1	Enterococci	H
33. Río Grande de Arecibo	Río Caonillas	PRNR7C1	Total, Phosphorus	H
34. Río Grande de Arecibo	Río Limón	PRNR7C2	Chromium VI	H
35. Río Grande de Arecibo	Río Limón	PRNR7C2	Enterococci	H
36. Río Grande de Arecibo	Río Limón	PRNR7C2	Temperature	H
37. Río Grande de Arecibo	Río Yunes	PRNR7C3	Chromium VI	H
38. Río Grande de Arecibo	Río Yunes	PRNR7C3	Enterococci	H
39. Río Grande de Arecibo	Río Yunes	PRNR7C3	Temperature	H
40. Río Grande de Arecibo	Río Tanamá	PRNR7B2	Chromium VI	H
41. Río Grande de Arecibo	Río Tanamá	PRNR7B2	Copper	H
42. Río Grande de Arecibo	Río Tanamá	PRNR7B2	Enterococci	H
43. Río Grande de Arecibo	Río Tanamá	PRNR7B2	Lead	H
44. Río Grande de Arecibo	Río Tanamá	PRNR7B2	Total, Phosphorus	H
45. Río Grande de Arecibo	Río Tanamá	PRNR7B2	Turbidity	H
46. Río Grande de Manatí	Río Grande de Manatí	PRNR8A1	Chromium VI	H
47. Río Grande de Manatí	Río Grande de Manatí	PRNR8A1	Enterococci	H
48. Río Grande de Manatí	Río Grande de Manatí	PRNR8A1	pH	H
49. Río Grande de Manatí	Río Grande de Manatí	PRNR8A1	Temperature	H
50. Río Grande de Manatí	Río Grande de Manatí	PRNR8A1	Total, Phosphorus	H
51. Río Grande de Manatí	Río Grande de Manatí	PRNR8A1	Turbidity	H
52. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Chromium VI	H
53. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Copper	H
54. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Cyanide	H
55. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Enterococci	H
56. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Lead	H
57. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Mercury	H
58. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Temperature	H
59. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Total, Nitrogen	H
60. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Total, Phosphorus	H
61. Río Grande de Manatí	Río Grande de Manatí	PRNR8A2	Turbidity	H
62. Río Grande de Manatí	Río Cialito	PRNR8B	Chromium VI	H
63. Río Grande de Manatí	Río Cialito	PRNR8B	Enterococci	H
64. Río Grande de Manatí	Río Cialito	PRNR8B	Total, Phosphorus	H
65. Río Grande de Manatí	Río Cialito	PRNR8B	Turbidity	H

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66. Río Grande de Manatí	Río Orocovis	PRNR8E1	Chromium VI	H
67. Río Grande de Manatí	Río Orocovis	PRNR8E1	Cyanide	H
68. Río Grande de Manatí	Río Orocovis	PRNR8E1	Enterococci	H
69. Río Grande de Manatí	Río Orocovis	PRNR8E1	Total, Phosphorus	H
70. Río Grande de Manatí	Río Botijas	PRNR8E2	pH	H
71. Río Cibuco	Río Cibuco	PRNR9A	Chromium VI	H
72. Río Cibuco	Río Cibuco	PRNR9A	Enterococci	H
73. Río Cibuco	Río Cibuco	PRNR9A	Lead	H
74. Río Cibuco	Río Cibuco	PRNR9A	Temperature	H
75. Río Cibuco	Río Cibuco	PRNR9A	Total, Nitrogen	H
76. Río Cibuco	Río Cibuco	PRNR9A	Total, Phosphorus	H
77. Río Cibuco	Río Cibuco	PRNR9A	Turbidity	H
78. Río Cibuco	Río Morovis	PRNR9B2	Dissolved Oxygen	H
79. Río De La Plata	Río De La Plata	PRER10A1	Chromium VI	H
80. Río De La Plata	Río De La Plata	PRER10A1	Dissolved Oxygen	H
81. Río De La Plata	Río De La Plata	PRER10A1	Enterococci	H
82. Río De La Plata	Río De La Plata	PRER10A1	Surfactants	H
83. Río De La Plata	Río De La Plata	PRER10A1	Temperature	H
84. Río De La Plata	Río De La Plata	PRER10A1	Total, Phosphorus	H
85. Río De La Plata	Río De La Plata	PRER10A1	Turbidity	H
86. Río De La Plata	Río De La Plata	PRER10A3	Chromium VI	H
87. Río De La Plata	Río De La Plata	PRER10A3	Enterococci	H
88. Río De La Plata	Río De La Plata	PRER10A3	Temperature	H
89. Río De La Plata	Río De La Plata	PRER10A3	Total, Phosphorus	H
90. Río De La Plata	Río De La Plata	PRER10A4	Chromium VI	H
91. Río De La Plata	Río De La Plata	PRER10A4	Cyanide	H
92. Río De La Plata	Río De La Plata	PRER10A4	Enterococci	H
93. Río De La Plata	Río De La Plata	PRER10A4	pH	H
94. Río De La Plata	Río De La Plata	PRER10A4	Temperature	H
95. Río De La Plata	Río De La Plata	PRER10A4	Total, Phosphorus	H
96. Río De La Plata	Río De La Plata	PRER10A4	Turbidity	H
97. Río De La Plata	Río De La Plata	PRER10A5	Chromium VI	H
98. Río De La Plata	Río De La Plata	PRER10A5	Cyanide	H
99. Río De La Plata	Río De La Plata	PRER10A5	Enterococci	H
100. Río De La Plata	Río De La Plata	PRER10A5	Temperature	H
101. Río De La Plata	Río De La Plata	PRER10A5	Total, Nitrogen	H
102. Río De La Plata	Río De La Plata	PRER10A5	Total, Phosphorus	H
103. Río De La Plata	Río De La Plata	PRER10A5	Turbidity	H
104. Río De La Plata	Río Guadiana	PRER10E	Chromium VI	H
105. Río De La Plata	Río Guadiana	PRER10E	Cyanide	H
106. Río De La Plata	Río Guadiana	PRER10E	Enterococci	H
107. Río De La Plata	Río Guadiana	PRER10E	Temperature	H
108. Río De La Plata	Río Guadiana	PRER10E	Total, Nitrogen	H
109. Río De La Plata	Río Guadiana	PRER10E	Total, Phosphorus	H

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110. Río De La Plata	Río Arroyata	PRER10G	Chromium VI	H
111. Río De La Plata	Río Arroyata	PRER10G	Cyanide	H
112. Río De La Plata	Río Arroyata	PRER10G	Enterococci	H
113. Río De La Plata	Río Arroyata	PRER10G	Total, Phosphorus	H
114. Río De La Plata	Río Matón	PRER10J	Chromium VI	H
115. Río De La Plata	Río Matón	PRER10J	Cyanide	H
116. Río De La Plata	Río Matón	PRER10J	Enterococci	H
117. Río De La Plata	Río Matón	PRER10J	Total, Nitrogen	H
118. Río De La Plata	Río Guavate	PRER10K	pH	H
119. Río Hondo	Río Hondo	PRER11A	Dissolved Oxygen	H
120. Río Hondo	Río Hondo	PRER11A	Surfactants	H
121. Río Bayamón	Río Bayamón	PRER12A1	Chromium VI	H
122. Río Bayamón	Río Bayamón	PRER12A1	Cyanide	H
123. Río Bayamón	Río Bayamón	PRER12A1	Enterococci	H
124. Río Bayamón	Río Bayamón	PRER12A1	pH	H
125. Río Bayamón	Río Bayamón	PRER12A1	Temperature	H
126. Río Bayamón	Río Bayamón	PRER12A1	Total, Nitrogen	H
127. Río Bayamón	Río Bayamón	PRER12A2	Chromium VI	H
128. Río Bayamón	Río Bayamón	PRER12A2	Enterococci	H
129. Río Bayamón	Río Guaynabo	PRER12B	Chromium VI	H
130. Río Bayamón	Río Guaynabo	PRER12B	Enterococci	H
131. Río Bayamón	Río Guaynabo	PRER12B	pH	H
132. Río Bayamón	Río Guaynabo	PRER12B	Temperature	H
133. Río Bayamón	Río Guaynabo	PRER12B	Total, Nitrogen	H
134. Río Bayamón	Río Guaynabo	PRER12B	Total, Phosphorus	H
135. Río Grande de Loíza	Río Grande de Loíza	PRER14A1	Chromium VI	H
136. Río Grande de Loíza	Río Grande de Loíza	PRER14A1	Enterococci	H
137. Río Grande de Loíza	Río Grande de Loíza	PRER14A1	Surfactants	H
138. Río Grande de Loíza	Río Grande de Loíza	PRER14A1	Temperature	H
139. Río Grande de Loíza	Río Grande de Loíza	PRER14A1	Total, Nitrogen	H
140. Río Grande de Loíza	Río Grande de Loíza	PRER14A1	Turbidity	H
141. Río Grande de Loíza	Río Grande de Loíza	PRER14A2	Chromium VI	H
142. Río Grande de Loíza	Río Grande de Loíza	PRER14A2	Enterococci	H
143. Río Grande de Loíza	Río Grande de Loíza	PRER14A2	Pesticides	H
144. Río Grande de Loíza	Río Grande de Loíza	PRER14A2	Temperature	H
145. Río Grande de Loíza	Río Grande de Loíza	PRER14A2	Total, Phosphorus	H
146. Río Grande de Loíza	Río Grande de Loíza	PRER14A2	Turbidity	H
147. Río Grande de Loíza	Río Canóvanas	PRER14B	Dissolved Oxygen	H
148. Río Grande de Loíza	Río Canovanillas	PRER14C	Dissolved Oxygen	H
149. Río Grande de Loíza	Río Gurabo	PRER14G1	Chromium VI	H
150. Río Grande de Loíza	Río Gurabo	PRER14G1	Enterococci	H
151. Río Grande de Loíza	Río Gurabo	PRER14G1	Temperature	H
152. Río Grande de Loíza	Río Gurabo	PRER14G1	Total, Nitrogen	H
153. Río Grande de Loíza	Río Gurabo	PRER14G1	Total, Phosphorus	H

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154. Río Grande de Loíza	Río Gurabo	PRER14G1	Turbidity	H
155. Río Grande de Loíza	Río Valenciano	PRER14G2	Chromium VI	H
156. Río Grande de Loíza	Río Valenciano	PRER14G2	Enterococci	H
157. Río Grande de Loíza	Río Valenciano	PRER14G2	Total, Nitrogen	H
158. Río Grande de Loíza	Río Valenciano	PRER14G2	Total, Phosphorus	H
159. Río Grande de Loíza	Río Valenciano	PRER14G2	Turbidity	H
160. Río Grande de Loíza	Río Bairoa	PRER14H	Chromium VI	H
161. Río Grande de Loíza	Río Bairoa	PRER14H	Enterococci	H
162. Río Grande de Loíza	Río Bairoa	PRER14H	Total, Nitrogen	H
163. Río Grande de Loíza	Río Bairoa	PRER14H	Total, Phosphorus	H
164. Río Grande de Loíza	Río Cagüitas	PRER14I	Chromium VI	H
165. Río Grande de Loíza	Río Cagüitas	PRER14I	Enterococci	H
166. Río Grande de Loíza	Río Cagüitas	PRER14I	Temperature	H
167. Río Grande de Loíza	Río Cagüitas	PRER14I	Total, Nitrogen	H
168. Río Grande de Loíza	Río Cagüitas	PRER14I	Total, Phosphorus	H
169. Río Grande de Loíza	Río Cagüitas	PRER14I	Turbidity	H
170. Río Grande de Loíza	Río Turabo	PRER14J	Chromium VI	H
171. Río Grande de Loíza	Río Turabo	PRER14J	Copper	H
172. Río Grande de Loíza	Río Turabo	PRER14J	Enterococci	H
173. Río Grande de Loíza	Río Turabo	PRER14J	Lead	H
174. Río Grande de Loíza	Río Turabo	PRER14J	Temperature	H
175. Río Grande de Loíza	Río Turabo	PRER14J	Total, Phosphorus	H
176. Río Grande de Loíza	Río Turabo	PRER14J	Turbidity	H
177. Río Grande de Loíza	Río Cayaguas	PRER14K	Chromium VI	H
178. Río Grande de Loíza	Río Cayaguas	PRER14K	Copper	H
179. Río Grande de Loíza	Río Cayaguas	PRER14K	Enterococci	H
180. Río Grande de Loíza	Río Cayaguas	PRER14K	Temperature	H
181. Río Grande de Loíza	Río Cayaguas	PRER14K	Total, Nitrogen	H
182. Río Grande de Loíza	Río Cayaguas	PRER14K	Total, Phosphorus	H
183. Río Grande de Loíza	Río Cayaguas	PRER14K	Turbidity	H
184. Río Blanco	Río Blanco	PRER30A	Turbidity	H
185. Río Blanco	Quebrada Peña Pobre	PREQ30B	Dissolved Oxygen	H
186. Río Grande de Patillas	Río Grande de Patillas	PRSR43A2	Chromium VI	H
187. Río Grande de Patillas	Río Grande de Patillas	PRSR43A2	Copper	H
188. Río Grande de Patillas	Río Grande de Patillas	PRSR43A2	Cyanide	H
189. Río Grande de Patillas	Río Grande de Patillas	PRSR43A2	Enterococci	H
190. Río Coamo	Río Coamo	PRSR57A2	Chromium VI	H
191. Río Coamo	Río Coamo	PRSR57A2	Cyanide	H
192. Río Coamo	Río Coamo	PRSR57A2	Enterococci	H
193. Río Coamo	Río Coamo	PRSR57A2	Surfactants	H
194. Río Coamo	Río Coamo	PRSR57A2	Temperature	H
195. Río Coamo	Río Coamo	PRSR57A2	Total, Nitrogen	H
196. Río Coamo	Río Coamo	PRSR57A2	Total, Phosphorus	H
197. Río Coamo	Río Cuyón	PRSR57B	Temperature	H

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198. Río Guayanilla	Río Guayanilla	PRSR67A	Ammonia	H
199. Río Guayanilla	Río Guayanilla	PRSR67A	Chromium VI	H
200. Río Guayanilla	Río Guayanilla	PRSR67A	Cyanide	H
201. Río Guayanilla	Río Guayanilla	PRSR67A	Dissolved Oxygen	H
202. Río Guayanilla	Río Guayanilla	PRSR67A	Enterococci	H
203. Río Guayanilla	Río Guayanilla	PRSR67A	Temperature	H
204. Río Guayanilla	Río Guayanilla	PRSR67A	Total, Nitrogen	H
205. Río Guayanilla	Río Guayanilla	PRSR67A	Total, Phosphorus	H
206. Río Guanajibo	Río Guanajibo	PRWR77A	Chromium VI	H
207. Río Guanajibo	Río Guanajibo	PRWR77A	Cyanide	H
208. Río Guanajibo	Río Guanajibo	PRWR77A	Dissolved Oxygen	H
209. Río Guanajibo	Río Guanajibo	PRWR77A	Enterococci	H
210. Río Guanajibo	Río Guanajibo	PRWR77A	Total, Phosphorus	H
211. Río Guanajibo	Río Guanajibo	PRWR77A	Turbidity	H
212. Río Guanajibo	Río Rosario	PRWR77C	Chromium VI	H
213. Río Guanajibo	Río Rosario	PRWR77C	Cyanide	H
214. Río Guanajibo	Río Rosario	PRWR77C	Enterococci	H
215. Río Guanajibo	Río Rosario	PRWR77C	Pesticides	H
216. Río Guanajibo	Río Rosario	PRWR77C	Total, Phosphorus	H
217. Río Guanajibo	Río Rosario	PRWR77C	Turbidity	H
218. Río Guanajibo	Río Viejo	PRWR77D	Chromium VI	H
219. Río Guanajibo	Río Viejo	PRWR77D	Cyanide	H
220. Río Guanajibo	Río Viejo	PRWR77D	Dissolved Oxygen	H
221. Río Guanajibo	Río Viejo	PRWR77D	Enterococci	H
222. Río Guanajibo	Río Viejo	PRWR77D	Surfactants	H
223. Río Guanajibo	Río Viejo	PRWR77D	Temperature	H
224. Río Guanajibo	Río Viejo	PRWR77D	Total, Phosphorus	H
225. Río Guanajibo	Río Cupeyes	PRWR77G	Pesticides	H
226. Río Yagüez	Río Yagüez	PRWR79A	Chromium VI	H
227. Río Yagüez	Río Yagüez	PRWR79A	Cyanide	H
228. Río Yagüez	Río Yagüez	PRWR79A	Enterococci	H
229. Río Yagüez	Río Yagüez	PRWR79A	Temperature	H
230. Río Yagüez	Río Yagüez	PRWR79A	Total, Nitrogen	H
231. Río Yagüez	Río Yagüez	PRWR79A	Total Phosphorus	H
232. Río Yagüez	Río Yagüez	PRWR79A	Turbidity	H
233. Río Grande de Añasco	Río Grande de Añasco	PRWR83A	Chromium VI	H
234. Río Grande de Añasco	Río Grande de Añasco	PRWR83A	Copper	H
235. Río Grande de Añasco	Río Grande de Añasco	PRWR83A	Cyanide	H
236. Río Grande de Añasco	Río Grande de Añasco	PRWR83A	Enterococci	H
237. Río Grande de Añasco	Río Grande de Añasco	PRWR83A	pH	H
238. Río Grande de Añasco	Río Grande de Añasco	PRWR83A	Temperature	H
239. Río Grande de Añasco	Río Grande de Añasco	PRWR83A	Total Phosphorus	H
240. Río Grande de Añasco	Río Grande de Añasco	PRWR83A	Turbidity	H
241. Río Grande de Añasco	Río Prieto	PRWR83I	Pesticides	H

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242. Río Culebrinas	Río Culebrinas	PRWR95A	Chromium VI	H
243. Río Culebrinas	Río Culebrinas	PRWR95A	Cyanide	H
244. Río Culebrinas	Río Culebrinas	PRWR95A	Enterococci	H
245. Río Culebrinas	Río Culebrinas	PRWR95A	Pesticides	H
246. Río Culebrinas	Río Culebrinas	PRWR95A	Temperature	H
247. Río Culebrinas	Río Culebrinas	PRWR95A	Total, Nitrogen	H
248. Río Culebrinas	Río Culebrinas	PRWR95A	Total, Phosphorus	H
249. Río Culebrinas	Río Culebrinas	PRWR95A	Turbidity	H
250. Río Culebrinas	Quebrada La Salle	PRWQ95F	Dissolved Oxygen	H
251. Río Culebrinas	Quebrada La Salle	PRWQ95F	Pesticides	H
252. Río Culebrinas	Quebrada El Salto	PRWQ95G	Dissolved Oxygen	H
253. Río Culebrinas	Quebrada Grande De La Majagua	PRWQ95H	Pesticides	H
254. Río Guajataca	Lago Guajataca	PRNL3A1	Dissolved Oxygen	H
255. Río Guajataca	Lago Guajataca	PRNL3A1	pH	H
256. Río Guajataca	Lago Guajataca	PRNL3A1	Temperature	H
257. Río Guajataca	Lago Guajataca	PRNL3A1	Total, Nitrogen	H
258. Río Guajataca	Lago Guajataca	PRNL3A1	Total, Phosphorus	H
259. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	Arsenic	H
260. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	Copper	H
261. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	Dissolved Oxygen	H
262. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	pH	H
263. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	Surfactants	H
264. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	Temperature	H
265. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	Total, Nitrogen	H
266. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	Total, Phosphorus	H
267. Río Grande de Arecibo	Lago Dos Bocas	PRNL ₁ 7A1	Turbidity	H
268. Río Grande de Arecibo	Lago Caonillas	PRNL ₂ 7C1	Copper	H
269. Río Grande de Arecibo	Lago Caonillas	PRNL ₂ 7C1	Dissolved Oxygen	H
270. Río Grande de Arecibo	Lago Caonillas	PRNL ₂ 7C1	Pesticides	H
271. Río Grande de Arecibo	Lago Caonillas	PRNL ₂ 7C1	Total, Nitrogen	H
272. Río Grande de Arecibo	Lago Caonillas	PRNL ₂ 7C1	Total, Phosphorus	H
273. Río Grande de Arecibo	Lago Caonillas	PRNL ₂ 7C1	Turbidity	H
274. Río Grande de Arecibo	Lago Garzas	PRNL ₃ 7A3	Copper	H
275. Río Grande de Arecibo	Lago Garzas	PRNL ₃ 7A3	Dissolved Oxygen	H
276. Río Grande de Arecibo	Lago Garzas	PRNL ₃ 7A3	Lead	H
277. Río Grande de Arecibo	Lago Garzas	PRNL ₃ 7A3	pH	H
278. Río Grande de Arecibo	Lago Garzas	PRNL ₃ 7A3	Pesticides	H
279. Río Grande de Arecibo	Lago Garzas	PRNL ₃ 7A3	Total, Phosphorus	H
280. Río Grande de Manatí	Lago Guineo	PRNL ₁ 8C1	Dissolved Oxygen	H
281. Río Grande de Manatí	Lago Guineo	PRNL ₁ 8C1	Pesticides	H
282. Río Grande de Manatí	Lago Matrullas	PRNL ₂ 8C1	Copper	H
283. Río Grande de Manatí	Lago Matrullas	PRNL ₂ 8C1	Dissolved Oxygen	H
284. Río Grande de Manatí	Lago Matrullas	PRNL ₂ 8C1	Lead	H

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285. Río Grande de Manatí	Lago Matrullas	PRNL28C1	pH	H
286. Río Grande de Manatí	Lago Matrullas	PRNL28C1	Total, Nitrogen	H
287. Río Grande de Manatí	Lago Matrullas	PRNL28C1	Total, Phosphorus	H
288. Río Grande de Manatí	Lago Matrullas	PRNL28C1	Turbidity	H
289. Río De La Plata	Lago La Plata	PREL110A1	Arsenic	H
290. Río De La Plata	Lago La Plata	PREL110A1	Dissolved Oxygen	H
291. Río De La Plata	Lago La Plata	PREL110A1	Lead	H
292. Río De La Plata	Lago La Plata	PREL110A1	pH	H
293. Río De La Plata	Lago La Plata	PREL110A1	Temperature	H
294. Río De La Plata	Lago La Plata	PREL110A1	Total, Nitrogen	H
295. Río De La Plata	Lago La Plata	PREL110A1	Total, Phosphorus	H
296. Río De La Plata	Lago La Plata	PREL110A1	Turbidity	H
297. Río De La Plata	Lago Carite	PREL210A5	Dissolved Oxygen	H
298. Río De La Plata	Lago Carite	PREL210A5	pH	H
299. Río De La Plata	Lago Carite	PREL210A5	Total, Nitrogen	H
300. Río De La Plata	Lago Carite	PREL210A5	Total, Phosphorus	H
301. Río De La Plata	Lago Carite	PREL210A5	Turbidity	H
302. Río Bayamón	Lago Cidra	PREL12A2	Copper	H
303. Río Bayamón	Lago Cidra	PREL12A2	Dissolved Oxygen	H
304. Río Bayamón	Lago Cidra	PREL12A2	Lead	H
305. Río Bayamón	Lago Cidra	PREL12A2	Total, Nitrogen	H
306. Río Bayamón	Lago Cidra	PREL12A2	Total, Phosphorus	H
307. Río Bayamón	Lago Cidra	PREL12A2	Turbidity	H
308. Río Grande de Loíza	Lago Loíza	PREL14A1	Copper	H
309. Río Grande de Loíza	Lago Loíza	PREL14A1	Dissolved Oxygen	H
310. Río Grande de Loíza	Lago Loíza	PREL14A1	Lead	H
311. Río Grande de Loíza	Lago Loíza	PREL14A1	pH	H
312. Río Grande de Loíza	Lago Loíza	PREL14A1	Temperature	H
313. Río Grande de Loíza	Lago Loíza	PREL14A1	Total, Nitrogen	H
314. Río Grande de Loíza	Lago Loíza	PREL14A1	Total, Phosphorus	H
315. Río Grande de Loíza	Lago Loíza	PREL14A1	Turbidity	H
316. Río Grande de Patillas	Lago Patillas	PRSL43A1	Dissolved Oxygen	H
317. Río Grande de Patillas	Lago Patillas	PRSL43A1	Pesticides	H
318. Río Grande de Patillas	Lago Patillas	PRSL43A1	pH	H
319. Río Grande de Patillas	Lago Patillas	PRSL43A1	Temperature	H
320. Río Grande de Patillas	Lago Patillas	PRSL43A1	Total, Phosphorus	H
321. Río Grande de Añasco	Lago Guayo	PRWL83H	Dissolved Oxygen	H
322. Río Grande de Añasco	Lago Guayo	PRWL83H	Pesticides	H
323. Río Grande de Añasco	Lago Guayo	PRWL83H	pH	H
324. Río Grande de Añasco	Lago Guayo	PRWL83H	Total, Nitrogen	H
325. Río Grande de Añasco	Lago Guayo	PRWL83H	Total, Phosphorus	H
326. Río Grande de Añasco	Lago Guayo	PRWL83H	Turbidity	H
327. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Chromium VI	H
328. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Copper	H

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
329. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Dissolved Oxygen	H
330. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Enterococci	H
331. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Mercury	H
332. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Lead	H
333. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Oil and Grease	H
334. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Surfactants	H
335. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Temperature	H
336. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Total, Nitrogen	H
337. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Total, Phosphorus	H
338. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A2	Turbidity	H
339. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Chromium VI	H
340. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Dissolved Oxygen	H
341. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Enterococci	H
342. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Mercury	H
343. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Oil and Grease	H
344. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	pH	H
345. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Temperature	H
346. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Total, Nitrogen	H
347. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Total, Phosphorus	H
348. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A3	Turbidity	H

Table 48: AU/ Parameter Combination with intermediate (moderate) and low priority to development of TMDL

Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
1. Río Herrera	Río Herrera	PRER15A	Dissolved Oxygen	M
2. Río Herrera	Río Herrera	PRER15A	Turbidity	M
3. Río Espíritu Santo	Río Espíritu Santo	PRER16A	Ammonia	M
4. Río Espíritu Santo	Río Espíritu Santo	PRER16A	Chromium VI	M
5. Río Espíritu Santo	Río Espíritu Santo	PRER16A	Enterococci	M
6. Quebrada Mata de Plátano	Quebrada Mata de Plátano	PREQ18A	Dissolved Oxygen	M
7. Quebrada Mata de Plátano	Quebrada Mata de Plátano	PREQ18A	Surfactants	M
8. Quebrada Fajardo	Quebrada Fajardo	PREQ21A	Dissolved Oxygen	M
9. Quebrada Fajardo	Quebrada Fajardo	PREQ21A	pH	M
10. Quebrada Fajardo	Quebrada Fajardo	PREQ21A	Temperature	M
11. Río Fajardo	Río Fajardo	PRER22A	Chromium VI	M
12. Río Fajardo	Río Fajardo	PRER22A	Enterococci	M
13. Río Fajardo	Río Fajardo	PRER22A	Temperature	M
14. Río Fajardo	Río Fajardo	PRER22A	Total, Nitrogen	M
15. Río Fajardo	Río Fajardo	PRER22A	Total, Phosphorus	M
16. Río Fajardo	Río Fajardo	PRER22A	Turbidity	M
17. Río Demajagua	Río Demajagua	PRER23A	Dissolved Oxygen	M
18. Quebrada Ceiba	Quebrada Ceiba	PREQ24A	Dissolved Oxygen	M
19. Quebrada Ceiba	Quebrada Ceiba	PREQ24A	Surfactants	M
20. Quebrada Aguas Claras	Quebrada Aguas Claras	PREQ25A	Dissolved Oxygen	M

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
21. Río Daguao	Río Daguao	PRER26A	Dissolved Oxygen	M
22. Quebrada Botijas	Quebrada Botijas	PREQ28A	Dissolved Oxygen	M
23. Río Antón Ruiz	Río Antón Ruiz	PRER31A	Dissolved Oxygen	M
24. Río Antón Ruiz	Río Antón Ruiz	PRER31A	Temperature	M
25. Quebrada Frontera	Quebrada Frontera	PREQ32A	Dissolved Oxygen	M
26. Río Humacao	Río Humacao	PRER33A	Chromium VI	M
27. Río Humacao	Río Humacao	PRER33A	Copper	M
28. Río Humacao	Río Humacao	PRER33A	Enterococci	M
29. Río Humacao	Río Humacao	PRER33A	Surfactants	M
30. Río Humacao	Río Humacao	PRER33A	Temperature	M
31. Río Humacao	Río Humacao	PRER33A	Total, Nitrogen	M
32. Río Humacao	Río Humacao	PRER33A	Total, Phosphorus	M
33. Río Humacao	Río Humacao	PRER33A	Turbidity	M
34. Río Candelero	Río Candelero	PRER34A	Dissolved Oxygen	M
35. Río Guayanés	Río Guayanés	PRER35A	Chromium VI	M
36. Río Guayanés	Río Guayanés	PRER35A	Copper	M
37. Río Guayanés	Río Guayanés	PRER35A	Enterococci	M
38. Río Guayanés	Río Guayanés	PRER35A	Temperature	M
39. Río Guayanés	Río Guayanés	PRER35A	Total, Nitrogen	M
40. Río Guayanés	Río Guayanés	PRER35A	Total, Phosphorus	M
41. Río Guayanés	Río Guayanés	PRER35A	Turbidity	M
42. Río Maunabo	Río Maunabo	PRER37A	Chromium VI	M
43. Río Maunabo	Río Maunabo	PRER37A	Copper	M
44. Río Maunabo	Río Maunabo	PRER37A	Cyanide	M
45. Río Maunabo	Río Maunabo	PRER37A	Enterococci	M
46. Río Maunabo	Río Maunabo	PRER37A	Temperature	M
47. Río Maunabo	Río Maunabo	PRER37A	Total, Nitrogen	M
48. Río Maunabo	Río Maunabo	PRER37A	Total, Phosphorus	M
49. Río Maunabo	Río Maunabo	PRER37A	Turbidity	M
50. Quebrada Palenque	Quebrada Palenque	PRSQ41A	Dissolved Oxygen	M
51. Río Chico	Río Chico	PRSR42A	Ammonia	M
52. Río Chico	Río Chico	PRSR42A	Copper	M
53. Río Chico	Río Chico	PRSR42A	Dissolved Oxygen	M
54. Río Chico	Río Chico	PRSR42A	Silver	M
55. Río Chico	Río Chico	PRSR42A	Surfactants	M
56. Río Chico	Río Chico	PRSR42A	Total, Phosphorus	M
57. Río Guamaní	Río Guamaní	PRSR49A	Temperature	M
58. Quebrada Melanía	Quebrada Melanía	PRSQ50A	Dissolved Oxygen	M
59. Río Seco	Río Seco	PRSR51A	Dissolved Oxygen	M
60. Quebrada Amorós	Quebrada Amorós	PRSQ52A	Dissolved Oxygen	M
61. Quebrada Amorós	Quebrada Amorós	PRSQ52A	pH	M
62. Quebrada Aguas Verdes	Quebrada Aguas Verdes	PRSQ53A	Dissolved Oxygen	M
63. Río Niguas de Salinas	Río Niguas de Salinas	PRSR54A	Dissolved Oxygen	M
64. Río Cayures	Río Cayures	PRSR56A	Dissolved Oxygen	M

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
65. Río Cayures	Río Cayures	PRSR56A	Surfactants	M
66. Río Bucaná-Cerrillos	Río Bucaná Cerrillos	PRSR62A1	Chromium VI	M
67. Río Bucaná-Cerrillos	Río Bucaná Cerrillos	PRSR62A1	Cyanide	M
68. Río Bucaná-Cerrillos	Río Bucaná Cerrillos	PRSR62A1	Dissolved Oxygen	M
69. Río Bucaná-Cerrillos	Río Bucaná Cerrillos	PRSR62A1	Enterococci	M
70. Río Bucaná-Cerrillos	Río Bucaná Cerrillos	PRSR62A2	Chromium VI	M
71. Río Bucaná-Cerrillos	Río Bucaná Cerrillos	PRSR62A2	Cyanide	M
72. Río Bucaná-Cerrillos	Río Bucaná Cerrillos	PRSR62A2	Enterococci	M
73. Río Bucaná-Cerrillos	Río Bucaná Cerrillos	PRSR62A2	Surfactants	M
74. Río Portugués	Río Portugués	PRSR63A	Chromium VI	M
75. Río Portugués	Río Portugués	PRSR63A	Cyanide	M
76. Río Portugués	Río Portugués	PRSR63A	Dissolved Oxygen	M
77. Río Portugués	Río Portugués	PRSR63A	Enterococci	M
78. Río Matilde-Pastillo	Río Matilde-Pastillo	PRSR64A	Temperature	M
79. Río Tallaboa	Río Tallaboa	PRSR65A	pH	M
80. Río Tallaboa	Río Tallaboa	PRSR65A	Temperature	M
81. Río Yauco	Río Yauco	PRSR68A1	Dissolved Oxygen	M
82. Río Yauco	Río Yauco	PRSR68A1	Total, Phosphorus	M
83. Río Loco	Río Loco	PRSR69A1	Dissolved Oxygen	M
84. Río Loco	Río Loco	PRSR69A1	Temperature	M
85. Río Loco	Río Loco	PRSR69A1	Turbidity	M
86. Quebrada Zumbón	Quebrada Zumbón	PRWQ72A	Dissolved Oxygen	M
87. Quebrada Zumbón	Quebrada Zumbón	PRWQ72A	Surfactants	M
88. Quebrada González	Quebrada González	PRWQ73A	Dissolved Oxygen	M
89. Quebrada Los Pajaritos	Quebrada Los Pajaritos	PRWQ74A	Dissolved Oxygen	M
90. Caño Merle	Caño Merle	PRWK78A	Dissolved Oxygen	M
91. Caño Merle	Caño Merle	PRWK78A	Surfactants	M
92. Río Herrera	Río Herrera	PREE15A	Surfactants	M
93. Río Espíritu Santo	Río Espíritu Santo	PREE16A	Dissolved Oxygen	M
94. Río Espíritu Santo	Río Espíritu Santo	PREE16A	Surfactants	M
95. Río Demajagua	Río Demajagua	PREE23A	Turbidity	M
96. Río Candelero	Río Candelero	PREE34A	Dissolved Oxygen	M
97. Río Candelero	Río Candelero	PREE34A	Temperature	M
98. Río Guayanés	Río Guayanés	PREE35A	Arsenic	M
99. Río Guayanés	Río Guayanés	PREE35A	Turbidity	M
100. Caño Santiago	Caño Santiago	PREE35.1	Dissolved Oxygen	M
101. Caño Santiago	Caño Santiago	PREE35.1	Surfactants	M
102. Caño Santiago	Caño Santiago	PREE35.1	Turbidity	M
103. Río Matilde-Pastillo	Río Matilde-Pastillo	PRSE64A	Turbidity	M
104. Río Tallaboa	Río Tallaboa	PRSE65A	Turbidity	M
105. Caño Merle	Caño Merle	PRWE78A	Surfactants	M
106. Quebrada Grande de Calvache	Quebrada Grande de Calvache	PRWE88A	Dissolved Oxygen	M
107. Río Guayabo	Río Guayabo	PRWE94A	Dissolved Oxygen	M

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108. Quebrada Melanía	Lago Melanía	PRSL50A	Dissolved Oxygen	M
109. Quebrada Melanía	Lago Melanía	PRSL50A	Enterococci	M
110. Quebrada Melanía	Lago Melanía	PRSL50A	Mercury	M
111. Quebrada Melanía	Lago Melanía	PRSL50A	Pesticides	M
112. Quebrada Melanía	Lago Melanía	PRSL50A	pH	M
113. Quebrada Melanía	Lago Melanía	PRSL50A	Temperature	M
114. Quebrada Melanía	Lago Melanía	PRSL50A	Total, Nitrogen	M
115. Quebrada Melanía	Lago Melanía	PRSL50A	Total, Phosphorus	M
116. Quebrada Melanía	Lago Melanía	PRSL50A	Turbidity	M
117. Río Jacaguas	Lago Guayabal	PRSL160A1	Dissolved Oxygen	M
118. Río Jacaguas	Lago Guayabal	PRSL160A1	Pesticides	M
119. Río Jacaguas	Lago Guayabal	PRSL160A1	pH	M
120. Río Jacaguas	Lago Guayabal	PRSL160A1	Total, Nitrogen	M
121. Río Jacaguas	Lago Guayabal	PRSL160A1	Total, Phosphorus	M
122. Río Jacaguas	Lago Guayabal	PRSL160A1	Turbidity	M
123. Río Jacaguas	Lago Toa vaca	PRSL260A1	Dissolved Oxygen	M
124. Río Jacaguas	Lago Toa vaca	PRSL260A1	pH	M
125. Río Jacaguas	Lago Toa vaca	PRSL260A1	Temperature	M
126. Río Jacaguas	Lago Toa vaca	PRSL260A1	Total, Nitrogen	M
127. Río Jacaguas	Lago Toa vaca	PRSL260A1	Total, Phosphorus	M
128. Río Jacaguas	Lago Toa vaca	PRSL260A1	Turbidity	M
129. Río Bucaná-Cerrillos	Lago Cerrillos	PRSL62A1	Dissolved Oxygen	M
130. Río Bucaná-Cerrillos	Lago Cerrillos	PRSL62A1	pH	M
131. Río Bucaná-Cerrillos	Lago Cerrillos	PRSL62A1	Temperature	M
132. Río Bucaná-Cerrillos	Lago Cerrillos	PRSL62A1	Total, Nitrogen	M
133. Río Bucaná-Cerrillos	Lago Cerrillos	PRSL62A1	Total, Phosphorus	M
134. Río Yauco	Lago Luchetti	PRSL68A1	Dissolved Oxygen	M
135. Río Yauco	Lago Luchetti	PRSL68A1	Pesticides	M
136. Río Yauco	Lago Luchetti	PRSL68A1	pH	M
137. Río Yauco	Lago Luchetti	PRSL68A1	Total, Nitrogen	M
138. Río Yauco	Lago Luchetti	PRSL68A1	Total, Phosphorus	M
139. Río Yauco	Lago Luchetti	PRSL68A1	Turbidity	M
140. Río Loco	Lago Loco	PRSL69A	Dissolved Oxygen	M
141. Río Loco	Lago Loco	PRSL69A	pH	M
142. Río Loco	Lago Loco	PRSL69A	Total, Nitrogen	M
143. Río Loco	Lago Loco	PRSL69A	Total, Phosphorus	M
144. Quebrada Los Ramos	Quebrada Los Ramos	PRWQ89A	Dissolved Oxygen	L
145. Quebrada Piletas	Quebrada Piletas	PRWQ91A	Dissolved Oxygen	L
146. Caño Boquilla	Caño Boquilla	PRWE82A	Dissolved Oxygen	L
147. Caño Boquilla	Caño Boquilla	PRWE82A	Surfactants	L
148. Caño Boquilla	Caño Boquilla	PRWE82A	Turbidity	L
149. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A1	Copper	L
150. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A1	Dissolved Oxygen	L
151. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A1	Enterococci	L

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152. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A1	Oil and Grease	L
153. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A1	pH	L
154. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A1	Temperature	L
155. San Juan Bay Estuary	San Juan Bay Estuary	PREE13A1	Turbidity	L
156. Laguna Joyudas	Laguna Joyudas	PRWN0005	Copper	L
157. Laguna Joyudas	Laguna Joyudas	PRWN0005	Dissolved Oxygen	L
158. Laguna Tortuguero	Laguna Tortuguero	PRNN0006	Dissolved Oxygen	L
159. Laguna Mata Redonda	Laguna Mata Redonda	PRNN0007	Dissolved Oxygen	L
160. Laguna Mata Redonda	Laguna Mata Redonda	PRNN0007	pH	L
161. Laguna Aguas Prieta	Laguna Aguas Prieta	PREN0011	Copper	L
162. Laguna Aguas Prieta	Laguna Aguas Prieta	PREN0011	Dissolved Oxygen	L
163. Laguna Aguas Prieta	Laguna Aguas Prieta	PREN0011	Turbidity	L
164. Laguna Grande	Laguna Grande	PREN0012	Dissolved Oxygen	L
165. Laguna Grande	Laguna Grande	PREN0012	Enterococci	L
166. Laguna Grande	Laguna Grande	PREN0012	pH	L
167. Laguna Ceiba	Laguna Ceiba	PREN0013	Copper	L
168. Laguna Ceiba	Laguna Ceiba	PREN0013	Dissolved Oxygen	L
169. Laguna Ceiba	Laguna Ceiba	PREN0013	Enterococci	L
170. Laguna Ceiba	Laguna Ceiba	PREN0013	pH	L
171. Laguna Pozuelo	Laguna Pozuelo	PRSN0014	Copper	L
172. Laguna Pozuelo	Laguna Pozuelo	PRSN0014	Dissolved Oxygen	L
173. Laguna Pozuelo	Laguna Pozuelo	PRSN0014	pH	L
174. Laguna Pozuelo	Laguna Pozuelo	PRSN0014	Temperature	L
175. Laguna Mar Negro	Laguna Mar Negro	PRSN0015	Copper	L
176. Laguna Mar Negro	Laguna Mar Negro	PRSN0015	Dissolved Oxygen	L
177. Laguna Mar Negro	Laguna Mar Negro	PRSN0015	pH	L
178. Laguna Punta Arenas	Laguna Punta Arenas	PRSN0016	Copper	L
179. Laguna Punta Arenas	Laguna Punta Arenas	PRSN0016	Dissolved Oxygen	L
180. Laguna Punta Arenas	Laguna Punta Arenas	PRSN0016	Temperature	L
181. Laguna Punta Arenas	Laguna Punta Arenas	PRSN0016	Turbidity	L
182. Laguna Tiburones	Laguna Tiburones	PRSN0017	Copper	L
183. Laguna Tiburones	Laguna Tiburones	PRSN0017	Dissolved Oxygen	L
184. Laguna Tiburones	Laguna Tiburones	PRSN0017	pH	L
185. Laguna Tiburones	Laguna Tiburones	PRSN0017	Temperature	L
186. Laguna Tiburones	Laguna Tiburones	PRSN0017	Turbidity	L
187. Laguna Salinas	Laguna Salinas	PRSN0018	Copper	L
188. Laguna Salinas	Laguna Salinas	PRSN0018	Dissolved Oxygen	L
189. Laguna Salinas 1	Fraternidad	PRSN0019	Copper	L
190. Laguna Salinas 1	Fraternidad	PRSN0019	Dissolved Oxygen	L
191. Laguna Salinas 1	Fraternidad	PRSN0019	Turbidity	L
192. Laguna Cabo Rojo 2	Candelaria	PRSN0020	Copper	L
193. Laguna Cabo Rojo 2	Candelaria	PRSN0020	Dissolved Oxygen	L
194. Laguna Cabo Rojo 2	Candelaria	PRSN0020	Temperature	L
195. Laguna Cabo Rojo 2	Candelaria	PRSN0020	Turbidity	L
196. Laguna Cabo Rojo 3	El Faro	PRSN0021	Copper	L
197. Laguna Cabo Rojo 3	El Faro	PRSN0021	Dissolved Oxygen	L

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
198. Laguna Cabo Rojo 3	El Faro	PRSN0021	Turbidity	L
199. Caño Boquerón	Caño Boquerón	PRSN0022	Copper	L
200. Caño Boquerón	Caño Boquerón	PRSN0022	Dissolved Oxygen	L
201. Caño Boquerón	Caño Boquerón	PRSN0022	pH	L
202. Caño Boquerón	Caño Boquerón	PRSN0022	Turbidity	L
203. Laguna Guaniquilla	Laguna Guaniquilla	PRSN0023	Dissolved Oxygen	L
204. Laguna Guaniquilla	Laguna Guaniquilla	PRSN0023	pH	L
205. Laguna Guaniquilla	Laguna Guaniquilla	PRSN0023	Turbidity	L
206. Punta Borinquén to Punta Sardina	Punta Borinquén to Punta Sardina	PRNC01	Copper	L
207. Punta Borinquén to Punta Sardina	Punta Borinquén to Punta Sardina	PRNC01	Thallium	L
208. Punta Sardina to Punta Manglillo	Punta Sardina to Punta Manglillo	PRNC02	Copper	L
209. Punta Sardina to Punta Manglillo	Punta Sardina to Punta Manglillo	PRNC02	Enterococci	L
210. Punta Sardina to Punta Manglillo	Punta Sardina to Punta Manglillo	PRNC02	Lead	L
211. Punta Sardina to Punta Manglillo	Punta Sardina to Punta Manglillo	PRNC02	Thallium	L
212. Punta Sardina to Punta Manglillo	Punta Sardina to Punta Manglillo	PRNC02	Turbidity	L
213. Punta Manglillo to Punta Morillos	Punta Manglillo to Punta Morillos	PRNC03	Copper	L
214. Punta Manglillo to Punta Morillos	Punta Manglillo to Punta Morillos	PRNC03	Enterococci	L
215. Punta Manglillo to Punta Morillos	Punta Manglillo to Punta Morillos	PRNC03	Temperature	L
216. Punta Manglillo to Punta Morillos	Punta Manglillo to Punta Morillos	PRNC03	Turbidity	L
217. Punta Morrillos to Punta Manatí	Punta Morrillos to Punta Manatí	PRNC04	Copper	L
218. Punta Morrillos to Punta Manatí	Punta Morrillos to Punta Manatí	PRNC04	Enterococci	L
219. Punta Morrillos to Punta Manatí	Punta Morrillos to Punta Manatí	PRNC04	Mercury	L
220. Punta Morrillos to Punta Manatí	Punta Morrillos to Punta Manatí	PRNC04	Nickel	L
221. Punta Morrillos to Punta Manatí	Punta Morrillos to Punta Manatí	PRNC04	pH	L
222. Punta Morrillos to Punta Manatí	Punta Morrillos to Punta Manatí	PRNC04	Thallium	L
223. Punta Morrillos to Punta Manatí	Punta Morrillos to Punta Manatí	PRNC04	Turbidity	L
224. Punta Manatí to Punta Chivato	Punta Manatí to Punta Chivato	PRNC05	Copper	L
225. Punta Manatí to Punta Chivato	Punta Manatí to Punta Chivato	PRNC05	Enterococci	L
226. Punta Manatí to Punta Chivato	Punta Manatí to Punta Chivato	PRNC05	Mercury	L

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
227. Punta Manatí to Punta Chivato	Punta Manatí to Punta Chivato	PRNC05	pH	L
228. Punta Manatí to Punta Chivato	Punta Manatí to Punta Chivato	PRNC05	Temperature	L
229. Punta Manatí to Punta Chivato	Punta Manatí to Punta Chivato	PRNC05	Thallium	L
230. Punta Manatí to Punta Chivato	Punta Manatí to Punta Chivato	PRNC05	Turbidity	L
231. Punta Chivato to Punta Cerro Gordo	Punta Chivato to Punta Cerro Gordo	PRNC06	Copper	L
232. Punta Chivato to Punta Cerro Gordo	Punta Chivato to Punta Cerro Gordo	PRNC06	Enterococci	L
233. Punta Chivato to Punta Cerro Gordo	Punta Chivato to Punta Cerro Gordo	PRNC06	Mercury	L
234. Punta Chivato to Punta Cerro Gordo	Punta Chivato to Punta Cerro Gordo	PRNC06	Temperature	L
235. Punta Chivato to Punta Cerro Gordo	Punta Chivato to Punta Cerro Gordo	PRNC06	Turbidity	L
236. Punta Puerto Nuevo to Punta Cerro Gordo	Punta Puerto Nuevo to Punta Cerro Gordo	PRNC07	Copper	L
237. Punta Puerto Nuevo to Punta Cerro Gordo	Punta Puerto Nuevo to Punta Cerro Gordo	PRNC07	Mercury	L
238. Punta Puerto Nuevo to Punta Cerro Gordo	Punta Puerto Nuevo to Punta Cerro Gordo	PRNC07	pH	L
239. Punta Puerto Nuevo to Punta Cerro Gordo	Punta Puerto Nuevo to Punta Cerro Gordo	PRNC07	Temperature	L
240. Punta Puerto Nuevo to Punta Cerro Gordo	Punta Puerto Nuevo to Punta Cerro Gordo	PRNC07	Turbidity	L
241. Punta Cerro Gordo to Punta Boca Juana	Punta Cerro Gordo to Punta Boca Juana	PRNC08	Arsenic	L
242. Punta Cerro Gordo to Punta Boca Juana	Punta Cerro Gordo to Punta Boca Juana	PRNC08	Copper	L
243. Punta Cerro Gordo to Punta Boca Juana	Punta Cerro Gordo to Punta Boca Juana	PRNC08	Enterococci	L
244. Punta Cerro Gordo to Punta Boca Juana	Punta Cerro Gordo to Punta Boca Juana	PRNC08	Lead	L
245. Punta Cerro Gordo to Punta Boca Juana	Punta Cerro Gordo to Punta Boca Juana	PRNC08	Nickel	L
246. Punta Cerro Gordo to Punta Boca Juana	Punta Cerro Gordo to Punta Boca Juana	PRNC08	Turbidity	L
247. Punta Cerro Gordo to Punta Boca Juana	Punta Cerro Gordo to Punta Boca Juana	PRNC08	Zinc	L
248. Punta Boca Juana to Punta Salinas	Punta Boca Juana to Punta Salinas	PREC09	Arsenic	L
249. Punta Boca Juana to Punta Salinas	Punta Boca Juana to Punta Salinas	PREC09	Copper	L
250. Punta Boca Juana to Punta Salinas	Punta Boca Juana to Punta Salinas	PREC09	Enterococci	L
251. Punta Boca Juana to Punta Salinas	Punta Boca Juana to Punta Salinas	PREC09	Lead	L

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252. Punta Boca Juana to Punta Salinas	Punta Boca Juana to Punta Salinas	PREC09	Nickel	L
253. Punta Boca Juana to Punta Salinas	Punta Boca Juana to Punta Salinas	PREC09	pH	L
254. Punta Boca Juana to Punta Salinas	Punta Boca Juana to Punta Salinas	PREC09	Turbidity	L
255. Punta Salinas to Río Bayamón Mouth	Punta Salinas to Río Bayamón Mouth	PREC10B	Copper	L
256. Punta Salinas to Río Bayamón Mouth	Punta Salinas to Río Bayamón Mouth	PREC10B	Enterococci	L
257. Punta Salinas to Río Bayamón Mouth	Punta Salinas to Río Bayamón Mouth	PREC10B	Lead	L
258. Punta Salinas to Río Bayamón Mouth	Punta Salinas to Río Bayamón Mouth	PREC10B	Mercury	L
259. Punta Salinas to Río Bayamón Mouth	Punta Salinas to Río Bayamón Mouth	PREC10B	Nickel	L
260. Punta Salinas to Río Bayamón Mouth	Punta Salinas to Río Bayamón Mouth	PREC10B	Turbidity	L
261. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Copper	L
262. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Enterococci	L
263. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Lead	L
264. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Mercury	L
265. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Nickel	L
266. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	pH	L
267. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Temperature	L
268. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Thallium	L
269. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Turbidity	L
270. Río Bayamón Mouth to Isla de Cabras	Río Bayamón Mouth to Isla de Cabras	PREC10C	Zinc	L
271. Isla de Cabras to Punta Del Morro	Isla de Cabras to Punta Del Morro	PREC11	Arsenic	L
272. Isla de Cabras to Punta Del Morro	Isla de Cabras to Punta Del Morro	PREC11	Copper	L
273. Isla de Cabras to Punta Del Morro	Isla de Cabras to Punta Del Morro	PREC11	Dissolved Oxygen	L
274. Isla de Cabras to Punta Del Morro	Isla de Cabras to Punta Del Morro	PREC11	Fecal Coliform	L
275. Punta Del Morro to West Side of Condado Bridge	Punta Del Morro to West Side of Condado Bridge	PREC12	Enterococci	L
276. Punta Del Morro to West Side of Condado Bridge	Punta Del Morro to West Side of Condado Bridge	PREC12	pH	L

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277. Punta Del Morro to West Side of Condado Bridge	Punta Del Morro to West Side of Condado Bridge	PREC12	Temperature	L
278. Punta Del Morro to West Side of Condado Bridge	Punta Del Morro to West Side of Condado Bridge	PREC12	Turbidity	L
279. East side of Condado Bridge to Punta Las Marías	East side of Condado Bridge to Punta Las Marías	PREC13	Copper	L
280. East side of Condado Bridge to Punta Las Marías	East side of Condado Bridge to Punta Las Marías	PREC13	Enterococci	L
281. East side of Condado Bridge to Punta Las Marías	East side of Condado Bridge to Punta Las Marías	PREC13	Lead	L
282. East side of Condado Bridge to Punta Las Marías	East side of Condado Bridge to Punta Las Marías	PREC13	Mercury	L
283. East side of Condado Bridge to Punta Las Marías	East side of Condado Bridge to Punta Las Marías	PREC13	Temperature	L
284. East side of Condado Bridge to Punta Las Marías	East side of Condado Bridge to Punta Las Marías	PREC13	Thallium	L
285. East side of Condado Bridge to Punta Las Marías	East side of Condado Bridge to Punta Las Marías	PREC13	Turbidity	L
286. Punta Las Marías to Punta Cangrejos	Punta Las Marías to Punta Cangrejos	PREC14	Arsenic	L
287. Punta Las Marías to Punta Cangrejos	Punta Las Marías to Punta Cangrejos	PREC14	Copper	L
288. Punta Las Marías to Punta Cangrejos	Punta Las Marías to Punta Cangrejos	PREC14	Lead	L
289. Punta Las Marías to Punta Cangrejos	Punta Las Marías to Punta Cangrejos	PREC14	Temperature	L
290. Punta Las Marías to Punta Cangrejos	Punta Las Marías to Punta Cangrejos	PREC14	Thallium	L
291. Punta Las Marías to Punta Cangrejos	Punta Las Marías to Punta Cangrejos	PREC14	Turbidity	L
292. Punta Cangrejos to Punta Vacía Talega	Punta Cangrejos to Punta Vacía Talega	PREC15	Arsenic	L
293. Punta Cangrejos to Punta Vacía Talega	Punta Cangrejos to Punta Vacía Talega	PREC15	Copper	L
294. Punta Cangrejos to Punta Vacía Talega	Punta Cangrejos to Punta Vacía Talega	PREC15	Enterococci	L
295. Punta Cangrejos to Punta Vacía Talega	Punta Cangrejos to Punta Vacía Talega	PREC15	Mercury	L
296. Punta Cangrejos to Punta Vacía Talega	Punta Cangrejos to Punta Vacía Talega	PREC15	Nickel	L
297. Punta Cangrejos to Punta Vacía Talega	Punta Cangrejos to Punta Vacía Talega	PREC15	Temperature	L

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298. Punta Cangrejos to Punta Vacía Talega	Punta Cangrejos to Punta Vacía Talega	PREC15	Thallium	L
299. Punta Cangrejos to Punta Vacía Talega	Punta Cangrejos to Punta Vacía Talega	PREC15	Turbidity	L
300. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Arsenic	L
301. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Copper	L
302. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Enterococci	L
303. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Lead	L
304. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Mercury	L
305. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Nickel	L
306. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Temperature	L
307. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Thallium	L
308. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Turbidity	L
309. Punta Vacía Talega to Punta Miquillo	Punta Vacía Talega to Punta Miquillo	PREC16	Zinc	L
310. Punta Miquillo to Punta La Bandera	Punta Miquillo to Punta La Bandera	PREC17	Copper	L
311. Punta Miquillo to Punta La Bandera	Punta Miquillo to Punta La Bandera	PREC17	Mercury	L
312. Punta Miquillo to Punta La Bandera	Punta Miquillo to Punta La Bandera	PREC17	Temperature	L
313. Punta Miquillo to Punta La Bandera	Punta Miquillo to Punta La Bandera	PREC17	Turbidity	L
314. Punta La Bandera to Cabezas de San Juan	Punta La Bandera to Cabezas de San Juan	PREC18	Copper	L
315. Punta La Bandera to Cabezas de San Juan	Punta La Bandera to Cabezas de San Juan	PREC18	pH	L
316. Punta La Bandera to Cabezas de San Juan	Punta La Bandera to Cabezas de San Juan	PREC18	Temperature	L
317. Punta La Bandera to Cabezas de San Juan	Punta La Bandera to Cabezas de San Juan	PREC18	Thallium	L
318. Punta La Bandera to Cabezas de San Juan	Punta La Bandera to Cabezas de San Juan	PREC18	Turbidity	L
319. Cabezas de San Juan to Punta Barrancas	Cabezas de San Juan to Punta Barrancas	PREC19	Copper	L
320. Cabezas de San Juan to Punta Barrancas	Cabezas de San Juan to Punta Barrancas	PREC19	Enterococci	L
321. Cabezas de San Juan to Punta Barrancas	Cabezas de San Juan to Punta Barrancas	PREC19	Oil and Grease	L
322. Cabezas de San Juan to Punta Barrancas	Cabezas de San Juan to Punta Barrancas	PREC19	Temperature	L

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323. Cabezas de San Juan to Punta Barrancas	Cabezas de San Juan to Punta Barrancas	PREC19	Turbidity	L
324. Punta Barrancas to Punta Medio Mundo	Punta Barrancas to Punta Medio Mundo	PREC20	Copper	L
325. Punta Barrancas to Punta Medio Mundo	Punta Barrancas to Punta Medio Mundo	PREC20	Dissolved Oxygen	L
326. Punta Barrancas to Punta Medio Mundo	Punta Barrancas to Punta Medio Mundo	PREC20	Enterococci	L
327. Punta Barrancas to Punta Medio Mundo	Punta Barrancas to Punta Medio Mundo	PREC20	Temperature	L
328. Punta Barrancas to Punta Medio Mundo	Punta Barrancas to Punta Medio Mundo	PREC20	Thallium	L
329. Punta Barrancas to Punta Medio Mundo	Punta Barrancas to Punta Medio Mundo	PREC20	Turbidity	L
330. Isla Cabras to Punta Cascajo	Isla Cabras to Punta Cascajo	PREC23	Copper	L
331. Isla Cabras to Punta Cascajo	Isla Cabras to Punta Cascajo	PREC23	Turbidity	L
332. Punta Cascajo to Punta Lima	Punta Cascajo to Punta Lima	PREC24	Copper	L
333. Punta Cascajo to Punta Lima	Punta Cascajo to Punta Lima	PREC24	Dissolved Oxygen	L
334. Punta Cascajo to Punta Lima	Punta Cascajo to Punta Lima	PREC24	Enterococci	L
335. Punta Cascajo to Punta Lima	Punta Cascajo to Punta Lima	PREC24	Temperature	L
336. Punta Cascajo to Punta Lima	Punta Cascajo to Punta Lima	PREC24	Turbidity	L
337. Punta Lima to Morro de Humacao	Punta Lima to Morro de Humacao	PREC25	Copper	L
338. Punta Lima to Morro de Humacao	Punta Lima to Morro de Humacao	PREC25	Enterococci	L
339. Punta Lima to Morro de Humacao	Punta Lima to Morro de Humacao	PREC25	Mercury	L
340. Punta Lima to Morro de Humacao	Punta Lima to Morro de Humacao	PREC25	Temperature	L
341. Punta Lima to Morro de Humacao	Punta Lima to Morro de Humacao	PREC25	Turbidity	L
342. Morro de Humacao to Punta Candelero	Morro de Humacao to Punta Candelero	PREC26	Copper	L
343. Morro de Humacao to Punta Candelero	Morro de Humacao to Punta Candelero	PREC26	Enterococci	L
344. Morro de Humacao to Punta Candelero	Morro de Humacao to Punta Candelero	PREC26	Temperature	L
345. Morro de Humacao to Punta Candelero	Morro de Humacao to Punta Candelero	PREC26	Turbidity	L
346. Punta Candelero to Punta Guayanés	Punta Candelero to Punta Guayanés	PREC27	Arsenic	L
347. Punta Candelero to Punta Guayanés	Punta Candelero to Punta Guayanés	PREC27	Copper	L

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348. Punta Candelero to Punta Guayanés	Punta Candelero to Punta Guayanés	PREC27	Enterococci	L
349. Punta Candelero to Punta Guayanés	Punta Candelero to Punta Guayanés	PREC27	Thallium	L
350. Punta Candelero to Punta Guayanés	Punta Candelero to Punta Guayanés	PREC27	Turbidity	L
351. Punta Quebrada Honda to Punta Yeguas	Punta Quebrada Honda to Punta Yeguas	PREC28B	Copper	L
352. Punta Quebrada Honda to Punta Yeguas	Punta Quebrada Honda to Punta Yeguas	PREC28B	Enterococci	L
353. Punta Quebrada Honda to Punta Yeguas	Punta Quebrada Honda to Punta Yeguas	PREC28B	Thallium	L
354. Punta Quebrada Honda to Punta Yeguas	Punta Quebrada Honda to Punta Yeguas	PREC28B	Turbidity	L
355. Punta Guayanés to Punta Quebrada Honda	Punta Guayanés to Punta Quebrada Honda	PREC28C	Arsenic	L
356. Punta Guayanés to Punta Quebrada Honda	Punta Guayanés to Punta Quebrada Honda	PREC28C	Copper	L
357. Punta Guayanés to Punta Quebrada Honda	Punta Guayanés to Punta Quebrada Honda	PREC28C	Enterococci	L
358. Punta Guayanés to Punta Quebrada Honda	Punta Guayanés to Punta Quebrada Honda	PREC28C	Mercury	L
359. Punta Guayanés to Punta Quebrada Honda	Punta Guayanés to Punta Quebrada Honda	PREC28C	Oil and Grease	L
360. Punta Guayanés to Punta Quebrada Honda	Punta Guayanés to Punta Quebrada Honda	PREC28C	Temperature	L
361. Punta Guayanés to Punta Quebrada Honda	Punta Guayanés to Punta Quebrada Honda	PREC28C	Thallium	L
362. Punta Guayanés to Punta Quebrada Honda	Punta Guayanés to Punta Quebrada Honda	PREC28C	Turbidity	L
363. Punta Yeguas to Punta Tuna	Punta Yeguas to Punta Tuna	PREC29	Copper	L
364. Punta Yeguas to Punta Tuna	Punta Yeguas to Punta Tuna	PREC29	Enterococci	L
365. Punta Yeguas to Punta Tuna	Punta Yeguas to Punta Tuna	PREC29	Lead	L
366. Punta Yeguas to Punta Tuna	Punta Yeguas to Punta Tuna	PREC29	pH	L
367. Punta Yeguas to Punta Tuna	Punta Yeguas to Punta Tuna	PREC29	Temperature	L
368. Punta Yeguas to Punta Tuna	Punta Yeguas to Punta Tuna	PREC29	Thallium	L
369. Punta Yeguas to Punta Tuna	Punta Yeguas to Punta Tuna	PREC29	Turbidity	L
370. Punta Tuna to Cabo Mala Pascua	Punta Tuna to Cabo Mala Pascua	PREC30	Copper	L
371. Punta Tuna to Cabo Mala Pascua	Punta Tuna to Cabo Mala Pascua	PREC30	Enterococci	L
372. Punta Tuna to Cabo Mala Pascua	Punta Tuna to Cabo Mala Pascua	PREC30	Turbidity	L

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373. Cabo Mala Pascua to Punta Viento	Cabo Mala Pascua to Punta Viento	PRSC31	Copper	L
374. Cabo Mala Pascua to Punta Viento	Cabo Mala Pascua to Punta Viento	PRSC31	Enterococci	L
375. Cabo Mala Pascua to Punta Viento	Cabo Mala Pascua to Punta Viento	PRSC31	Temperature	L
376. Cabo Mala Pascua to Punta Viento	Cabo Mala Pascua to Punta Viento	PRSC31	Thallium	L
377. Cabo Mala Pascua to Punta Viento	Cabo Mala Pascua to Punta Viento	PRSC31	Turbidity	L
378. Punta Viento to Punta Figuras	Punta Viento to Punta Figuras	PRSC32	Copper	L
379. Punta Viento to Punta Figuras	Punta Viento to Punta Figuras	PRSC32	Dissolved Oxygen	L
380. Punta Viento to Punta Figuras	Punta Viento to Punta Figuras	PRSC32	Enterococci	L
381. Punta Viento to Punta Figuras	Punta Viento to Punta Figuras	PRSC32	Mercury	L
382. Punta Viento to Punta Figuras	Punta Viento to Punta Figuras	PRSC32	Temperature	L
383. Punta Viento to Punta Figuras	Punta Viento to Punta Figuras	PRSC32	Thallium	L
384. Punta Viento to Punta Figuras	Punta Viento to Punta Figuras	PRSC32	Turbidity	L
385. Punta Figuras to Punta Ola Grande	Punta Figuras to Punta Ola Grande	PRSC33	Copper	L
386. Punta Figuras to Punta Ola Grande	Punta Figuras to Punta Ola Grande	PRSC33	Enterococci	L
387. Punta Figuras to Punta Ola Grande	Punta Figuras to Punta Ola Grande	PRSC33	Lead	L
388. Punta Figuras to Punta Ola Grande	Punta Figuras to Punta Ola Grande	PRSC33	Mercury	L
389. Punta Figuras to Punta Ola Grande	Punta Figuras to Punta Ola Grande	PRSC33	Temperature	L
390. Punta Figuras to Punta Ola Grande	Punta Figuras to Punta Ola Grande	PRSC33	Turbidity	L
391. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Copper	L
392. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Dissolved Oxygen	L
393. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Enterococci	L
394. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Lead	L
395. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Mercury	L
396. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Nickel	L
397. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Oil and Grease	L

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398. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	pH	L
399. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Temperature	L
400. Punta Ola Grande to Punta Petrona	Punta Ola Grande to Punta Petrona	PRSC34	Turbidity	L
401. Punta Petrona to Punta Cabullones	Punta Petrona to Punta Cabullones	PRSC35	Copper	L
402. Punta Petrona to Punta Cabullones	Punta Petrona to Punta Cabullones	PRSC35	Enterococci	L
403. Punta Petrona to Punta Cabullones	Punta Petrona to Punta Cabullones	PRSC35	Lead	L
404. Punta Petrona to Punta Cabullones	Punta Petrona to Punta Cabullones	PRSC35	Mercury	L
405. Punta Petrona to Punta Cabullones	Punta Petrona to Punta Cabullones	PRSC35	Nickel	L
406. Punta Petrona to Punta Cabullones	Punta Petrona to Punta Cabullones	PRSC35	Thallium	L
407. Punta Petrona to Punta Cabullones	Punta Petrona to Punta Cabullones	PRSC35	Turbidity	L
408. Punta Petrona to Punta Cabullones	Punta Petrona to Punta Cabullones	PRSC35	Zinc	L
409. Punta Cabullones to Punta Carenero	Punta Cabullones to Punta Carenero	PRSC36B	Copper	L
410. Punta Cabullones to Punta Carenero	Punta Cabullones to Punta Carenero	PRSC36B	Enterococci	L
411. Punta Cabullones to Punta Carenero	Punta Cabullones to Punta Carenero	PRSC36B	Mercury	L
412. Punta Cabullones to Punta Carenero	Punta Cabullones to Punta Carenero	PRSC36B	pH	L
413. Punta Cabullones to Punta Carenero	Punta Cabullones to Punta Carenero	PRSC36B	Temperature	L
414. Punta Cabullones to Punta Carenero	Punta Cabullones to Punta Carenero	PRSC36B	Turbidity	L
415. Punta Carenero to Punta Cuchara	Punta Carenero to Punta Cuchara	PRSC36C	Copper	L
416. Punta Carenero to Punta Cuchara	Punta Carenero to Punta Cuchara	PRSC36C	Enterococci	L
417. Punta Carenero to Punta Cuchara	Punta Carenero to Punta Cuchara	PRSC36C	Mercury	L
418. Punta Carenero to Punta Cuchara	Punta Carenero to Punta Cuchara	PRSC36C	Oil and Grease	L
419. Punta Carenero to Punta Cuchara	Punta Carenero to Punta Cuchara	PRSC36C	Turbidity	L
420. Punta Cuchara to Cayo Parguera	Punta Cuchara to Cayo Parguera	PRSC37B	Copper	L
421. Punta Cuchara to Cayo Parguera	Punta Cuchara to Cayo Parguera	PRSC37B	Enterococci	L
422. Punta Cuchara to Cayo Parguera	Punta Cuchara to Cayo Parguera	PRSC37B	Mercury	L

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423. Punta Cuchara to Cayo Parguera	Punta Cuchara to Cayo Parguera	PRSC37B	Nickel	L
424. Punta Cuchara to Cayo Parguera	Punta Cuchara to Cayo Parguera	PRSC37B	pH	L
425. Punta Cuchara to Cayo Parguera	Punta Cuchara to Cayo Parguera	PRSC37B	Turbidity	L
426. Cayo Parguera to Punta Guayanilla	Cayo Parguera to Punta Guayanilla	PRSC37C	Copper	L
427. Cayo Parguera to Punta Guayanilla	Cayo Parguera to Punta Guayanilla	PRSC37C	Mercury	L
428. Cayo Parguera to Punta Guayanilla	Cayo Parguera to Punta Guayanilla	PRSC37C	Lead	L
429. Cayo Parguera to Punta Guayanilla	Cayo Parguera to Punta Guayanilla	PRSC37C	Nickel	L
430. Cayo Parguera to Punta Guayanilla	Cayo Parguera to Punta Guayanilla	PRSC37C	Oil and Grease	L
431. Cayo Parguera to Punta Guayanilla	Cayo Parguera to Punta Guayanilla	PRSC37C	Thallium	L
432. Cayo Parguera to Punta Guayanilla	Cayo Parguera to Punta Guayanilla	PRSC37C	Turbidity	L
433. Cayo Parguera to Punta Guayanilla	Cayo Parguera to Punta Guayanilla	PRSC37C	Zinc	L
434. Punta Guayanilla to Punta Verraco	Punta Guayanilla to Punta Verraco	PRSC38	Copper	L
435. Punta Guayanilla to Punta Verraco	Punta Guayanilla to Punta Verraco	PRSC38	Enterococci	L
436. Punta Guayanilla to Punta Verraco	Punta Guayanilla to Punta Verraco	PRSC38	Mercury	L
437. Punta Guayanilla to Punta Verraco	Punta Guayanilla to Punta Verraco	PRSC38	Oil and Grease	L
438. Punta Guayanilla to Punta Verraco	Punta Guayanilla to Punta Verraco	PRSC38	Temperature	L
439. Punta Guayanilla to Punta Verraco	Punta Guayanilla to Punta Verraco	PRSC38	Thallium	L
440. Punta Guayanilla to Punta Verraco	Punta Guayanilla to Punta Verraco	PRSC38	Turbidity	L
441. Punta Verraco to Punta Ballena	Punta Verraco to Punta Ballena	PRSC39	Copper	L
442. Punta Verraco to Punta Ballena	Punta Verraco to Punta Ballena	PRSC39	Thallium	L
443. Punta Verraco to Punta Ballena	Punta Verraco to Punta Ballena	PRSC39	Turbidity	L
444. Punta Ballena to Punta Brea	Punta Ballena to Punta Brea	PRSC40	Copper	L
445. Punta Ballena to Punta Brea	Punta Ballena to Punta Brea	PRSC40	Enterococci	L
446. Punta Ballena to Punta Brea	Punta Ballena to Punta Brea	PRSC40	Nickel	L
447. Punta Ballena to Punta Brea	Punta Ballena to Punta Brea	PRSC40	pH	L

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
448. Punta Ballena to Punta Brea	Punta Ballena to Punta Brea	PRSC40	Temperature	L
449. Punta Ballena to Punta Brea	Punta Ballena to Punta Brea	PRSC40	Turbidity	L
450. Punta Brea to Bahía Fosforescente La Parguera	Punta Brea to Bahía Fosforescente La Parguera	PRSC41B1	Copper	L
451. Punta Brea to Bahía Fosforescente La Parguera	Punta Brea to Bahía Fosforescente La Parguera	PRSC41B1	Enterococci	L
452. Punta Brea to Bahía Fosforescente La Parguera	Punta Brea to Bahía Fosforescente La Parguera	PRSC41B1	pH	L
453. Punta Brea to Bahía Fosforescente La Parguera	Punta Brea to Bahía Fosforescente La Parguera	PRSC41B1	Temperature	L
454. Punta Brea to Bahía Fosforescente La Parguera	Punta Brea to Bahía Fosforescente La Parguera	PRSC41B1	Thallium	L
455. Punta Brea to Bahía Fosforescente La Parguera	Punta Brea to Bahía Fosforescente La Parguera	PRSC41B1	Turbidity	L
456. Bahía Fosforescente La Parguera to Punta Cueva de Ayala	Bahía Fosforescente La Parguera to Punta Cueva de Ayala	PRSC41B2	Copper	L
457. Bahía Fosforescente La Parguera to Punta Cueva de Ayala	Bahía Fosforescente La Parguera to Punta Cueva de Ayala	PRSC41B2	Dissolved Oxygen	L
458. Bahía Fosforescente La Parguera to Punta Cueva de Ayala	Bahía Fosforescente La Parguera to Punta Cueva de Ayala	PRSC41B2	Enterococci	L
459. Bahía Fosforescente La Parguera to Punta Cueva de Ayala	Bahía Fosforescente La Parguera to Punta Cueva de Ayala	PRSC41B2	pH	L
460. Bahía Fosforescente La Parguera to Punta Cueva de Ayala	Bahía Fosforescente La Parguera to Punta Cueva de Ayala	PRSC41B2	Temperature	L
461. Bahía Fosforescente La Parguera to Punta Cueva de Ayala	Bahía Fosforescente La Parguera to Punta Cueva de Ayala	PRSC41B2	Thallium	L
462. Bahía Fosforescente La Parguera to Punta Cueva de Ayala	Bahía Fosforescente La Parguera to Punta Cueva de Ayala	PRSC41B2	Turbidity	L
463. Bahía Monsio José to Faro de Cabo Rojo	Bahía Monsio José to Faro de Cabo Rojo	PRSC41B3	Dissolved Oxygen	L
464. Bahía Monsio José to Faro de Cabo Rojo	Bahía Monsio José to Faro de Cabo Rojo	PRSC41B3	Enterococci	L
465. Bahía Monsio José to Faro de Cabo Rojo	Bahía Monsio José to Faro de Cabo Rojo	PRSC41B3	Mercury	L

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
466. Bahía Monsio José to Faro de Cabo Rojo	Bahía Monsio José to Faro de Cabo Rojo	PRSC41B3	Nickel	L
467. Bahía Monsio José to Faro de Cabo Rojo	Bahía Monsio José to Faro de Cabo Rojo	PRSC41B3	Temperature	L
468. Bahía Monsio José to Faro de Cabo Rojo	Bahía Monsio José to Faro de Cabo Rojo	PRSC41B3	Thallium	L
469. Bahía Monsio José to Faro de Cabo Rojo	Bahía Monsio José to Faro de Cabo Rojo	PRSC41B3	Turbidity	L
470. Faro de Cabo Rojo to Punta Águila	Faro de Cabo Rojo to Punta Águila	PRWC42	Dissolved Oxygen	L
471. Faro de Cabo Rojo to Punta Águila	Faro de Cabo Rojo to Punta Águila	PRWC42	Enterococci	L
472. Faro de Cabo Rojo to Punta Águila	Faro de Cabo Rojo to Punta Águila	PRWC42	pH	L
473. Faro de Cabo Rojo to Punta Águila	Faro de Cabo Rojo to Punta Águila	PRWC42	Temperature	L
474. Faro de Cabo Rojo to Punta Águila	Faro de Cabo Rojo to Punta Águila	PRWC42	Turbidity	L
475. Punta Águila to Punta Guaniquilla	Punta Águila to Punta Guaniquilla	PRWC43	Enterococci	L
476. Punta Águila to Punta Guaniquilla	Punta Águila to Punta Guaniquilla	PRWC43	Temperature	L
477. Punta Águila to Punta Guaniquilla	Punta Águila to Punta Guaniquilla	PRWC43	Turbidity	L
478. Punta Guaniquilla to Punta La Mela	Punta Guaniquilla to Punta La Mela	PRWC44	Enterococci	L
479. Punta Guaniquilla to Punta La Mela	Punta Guaniquilla to Punta La Mela	PRWC44	pH	L
480. Punta Guaniquilla to Punta La Mela	Punta Guaniquilla to Punta La Mela	PRWC44	Temperature	L
481. Punta Guaniquilla to Punta La Mela	Punta Guaniquilla to Punta La Mela	PRWC44	Thallium	L
482. Punta Guaniquilla to Punta La Mela	Punta Guaniquilla to Punta La Mela	PRWC44	Turbidity	L
483. Punta La Mela to Punta Carenero	Punta La Mela to Punta Carenero	PRWC45	Copper	L
484. Punta La Mela to Punta Carenero	Punta La Mela to Punta Carenero	PRWC45	Enterococci	L
485. Punta La Mela to Punta Carenero	Punta La Mela to Punta Carenero	PRWC45	Lead	L
486. Punta La Mela to Punta Carenero	Punta La Mela to Punta Carenero	PRWC45	Thallium	L
487. Punta La Mela to Punta Carenero	Punta La Mela to Punta Carenero	PRWC45	Turbidity	L
488. Punta Carenero to front of Cayo Ratones	Punta Carenero to front of Cayo Ratones	PRWC46	Copper	L
489. Punta Carenero to front of Cayo Ratones	Punta Carenero to front of Cayo Ratones	PRWC46	Lead	L
490. Punta Carenero to front of Cayo Ratones	Punta Carenero to front of Cayo Ratones	PRWC46	Temperature	L

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
491. Punta Carenero to front of Cayo Ratones	Punta Carenero to front of Cayo Ratones	PRWC46	Thallium	L
492. Punta Carenero to front of Cayo Ratones	Punta Carenero to front of Cayo Ratones	PRWC46	Turbidity	L
493. In front of Cayo Ratones to Punta Guanajibo	In front of Cayo Ratones to Punta Guanajibo	PRWC47	Copper	L
494. In front of Cayo Ratones to Punta Guanajibo	In front of Cayo Ratones to Punta Guanajibo	PRWC47	Nickel	L
495. In front of Cayo Ratones to Punta Guanajibo	In front of Cayo Ratones to Punta Guanajibo	PRWC47	Temperature	L
496. In front of Cayo Ratones to Punta Guanajibo	In front of Cayo Ratones to Punta Guanajibo	PRWC47	Turbidity	L
497. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Copper	L
498. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Enterococci	L
499. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Lead	L
500. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Mercury	L
501. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Nickel	L
502. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Oil and Grease	L
503. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	pH	L
504. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Temperature	L
505. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Thallium	L
506. Punta Guanajibo to Punta Algarrobo	Punta Guanajibo to Punta Algarrobo	PRWC48	Turbidity	L
507. Punta Algarrobo to Punta Cadena	Punta Algarrobo to Punta Cadena	PRWC49	Copper	L
508. Punta Algarrobo to Punta Cadena	Punta Algarrobo to Punta Cadena	PRWC49	Enterococci	L
509. Punta Algarrobo to Punta Cadena	Punta Algarrobo to Punta Cadena	PRWC49	Nickel	L
510. Punta Algarrobo to Punta Cadena	Punta Algarrobo to Punta Cadena	PRWC49	pH	L
511. Punta Algarrobo to Punta Cadena	Punta Algarrobo to Punta Cadena	PRWC49	Temperature	L
512. Punta Algarrobo to Punta Cadena	Punta Algarrobo to Punta Cadena	PRWC49	Turbidity	L
513. Punta Cadena to Punta Higüero	Punta Cadena to Punta Higüero	PRWC50	Copper	L
514. Punta Cadena to Punta Higüero	Punta Cadena to Punta Higüero	PRWC50	Enterococci	L
515. Punta Cadena to Punta Higüero	Punta Cadena to Punta Higüero	PRWC50	Lead	L

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Basin	Waterbody Name	Assessment Unit ID	Parameter	Priority
516. Punta Cadena to Punta Higüero	Punta Cadena to Punta Higüero	PRWC50	Mercury	L
517. Punta Cadena to Punta Higüero	Punta Cadena to Punta Higüero	PRWC50	Nickel	L
518. Punta Cadena to Punta Higüero	Punta Cadena to Punta Higüero	PRWC50	pH	L
519. Punta Cadena to Punta Higüero	Punta Cadena to Punta Higüero	PRWC50	Temperature	L
520. Punta Cadena to Punta Higüero	Punta Cadena to Punta Higüero	PRWC50	Turbidity	L
521. Punta Higüero to Punta del Boquerón	Punta Higüero to Punta del Boquerón	PRWC51	Copper	L
522. Punta Higüero to Punta del Boquerón	Punta Higüero to Punta del Boquerón	PRWC51	Enterococci	L
523. Punta Higüero to Punta del Boquerón	Punta Higüero to Punta del Boquerón	PRWC51	Lead	L
524. Punta Higüero to Punta del Boquerón	Punta Higüero to Punta del Boquerón	PRWC51	Mercury	L
525. Punta Higüero to Punta del Boquerón	Punta Higüero to Punta del Boquerón	PRWC51	Nickel	L
526. Punta Higüero to Punta del Boquerón	Punta Higüero to Punta del Boquerón	PRWC51	Turbidity	L
527. Punta del Boquerón to Punta Borinquén	Punta del Boquerón to Punta Borinquén	PRWC52	Copper	L
528. Punta del Boquerón to Punta Borinquén	Punta del Boquerón to Punta Borinquén	PRWC52	Turbidity	L
529. Culebra Island	Culebra Island	PRCC53	pH	L
530. Culebra Island	Culebra Island	PRCC53	Turbidity	L

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The following table lists TMDLs for specific segment/pollutant combination which will be developed in the next two years. (Table 49).

Table 49: TMDL Development Status

AU/POLLUTANT	AU ID	PROJECT STATUS
1. RÍO BAIROA/TOTAL, PHOSPHORUS	PRER14H	FINAL DRAFT
2. RÍO BAIROA/TOTAL, NITROGEN	PRER14H	FINAL DRAFT
3. RÍO GUAYANILLA/TOTAL, PHOSPHORUS	PRSR67A	FINAL DRAFT
4. RÍO GUAYANILLA/TOTAL, NITROGEN	PRSR67A	FINAL DRAFT
5. RÍO YAUCO/TOTAL, PHOSPHORUS	PRSR68A1	FINAL DRAFT
6. RÍO YAUCO/TOTAL, NITROGEN	PRSR68A1	FINAL DRAFT
7. RÍO GUAYABO/TOTAL, NITROGEN	PRWR94A	FINAL DRAFT
8. LAGO LA PLATA/TOTAL, PHOSPHORUS	PREL ₁ 10A1	FINAL DRAFT
9. LAGO LA PLATA/TOTAL, NITROGEN	PREL ₁ 10A1	FINAL DRAFT
10. LAGO LOIZA/TOTAL, PHOSPHORUS	PREL14A	FINAL DRAFT
11. LAGO LOIZA/TOTAL, NITROGEN	PREL14A	FINAL DRAFT
12. RÍO GRANDE DE MANATI/COPPER	PRNR8A3	FINAL DRAFT
13. RÍO GRANDE DE ARECIBO/COPPER	PRNR7A2	FINAL DRAFT
14. RÍO BAUTA/COPPER	PRNR8C2	FINAL DRAFT
15. RÍO GUAYNABO/COPPER	PRER12B	FINAL DRAFT
16. RÍO GUAYNABO/LEAD	PRER12B	FINAL DRAFT
17. RÍO GRANDE DE LOIZA/COPPER	PRER14A1	FINAL DRAFT
18. RÍO GURABO/COPPER	PRER14G1	FINAL DRAFT
19. RÍO TURABO/COPPER	PRER14J	FINAL DRAFT
20. RÍO GRANDE DE AÑASCO/COPPER	PRWR83A	FINAL DRAFT
21. RÍO VALENCIANO/COPPER	PRER14G2	FINAL DRAFT
22. RÍO VALENCIANO/LEAD	PRER14G2	FINAL DRAFT
23. RÍO CULEBRINAS/COPPER	PRWR95A	FINAL DRAFT
24. RÍO DE LA PLATA/COPPER	PRER10A5	FINAL DRAFT

4.0 Clean Water Act 303(d) Program Vision Long – Term Vision

The 2022-2032 Vision for the CWA Section 303(d) Program (“2022 Vision”) communicated the expectation that states, territories, and authorized tribes would engage in a long-term planning process and document their decisions in a Prioritization Framework. The Prioritization Framework is a planning document that serves two key objectives: (1) to describe long-term Vision priorities and a rationale for selecting those Vision priorities; and (2) outline a general strategy for implementing the Goals of the 2022 Vision over the next decade. This 2022 – 2032 Long – Term Vision is under development.

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PART F. Public Participation

The List of Impacted Water Bodies draft for the 2024 cycle and the Assessment Methodology will be available to the public for examination, at the request of the interested party by sending an email to the following address: waterquality@drna.pr.gov, no later than thirty (30) days from the publication of the notice. The deadline for submitting comments may be extended if deemed necessary or appropriate in the public interest. All interested or affected parties may request a public hearing. Said request must be submitted in writing to the Secretary of the PRDNER through the Secretary's Office at the following email address: ayudaciudadano@drna.pr.gov, no later than thirty (30) days from the date of publication of this notice and the reason or reasons that in the opinion of the applicant merit the holding of the public hearing must be indicated.

The public notice was appropriated published in two local newspaper of island wide circulation, PRIMERA HORA and EL VOCERO on May 6, 2024, (Public Notice in Spanish and English, Appendix III).

The Public participation element serves to encourage the involvement of universities, private institutions, government agencies, non-government entities and the public in water quality issues.

Enclosed in Appendix IV you will find the determination of the Governing Board of PRDNER.

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APPENDIX I – 2024 Cycle 303(d) List

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RIVERS, STREAMS AND CREEKS

Size of waters Impaired by Causes all cycles (Monitored Miles for Rivers and Streams)	
Causes of Impairments	Size of Waters Impaired (miles)
Ammonia	128.5
Arsenic	25.4
Chromium VI	2,555.1
Copper	600.9
Cyanide	1, 144.4
Dissolved Oxygen	1,139.1
Enterococcus	2,555.1
Lead	259.5
Mercury	141.9
Oil and Grease	103.8
Pesticides	544.3
pH	573.8
Silver	14.6
Surfactants	347.1
Temperature	2,075.1
Total, Nitrogen	1,477.4
Total, Phosphorus	2,291.5
Turbidity	1,959.4

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
RÍO GUAJATACA	RÍO GUAJATACA PRNR3A1	9.9	SD	NS 50011400	5	5	5	5		H	Collection System Failure Landfill Minor Industrial Point Sources Onsite Wastewater Systems	Chromium VI	2022, 2020
												Cyanide	2024, 2022
												Dissolved Oxygen	2024, 2022
												Enterococci	2024, 2022, 2020, 2018
												Surfactants	2024
												Total, Nitrogen	2024, 2022, 2020, 2018, 2016
	RÍO GUAJATACA PRNR3A2	22	SD	NS 50010600	5	5	5	5	F	H	Agriculture Collection System Failure Confined Animal Feeding Operations Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												pH	2024
												Total, Phosphorus	2024
												Total, Nitrogen	2024, 2022, 2020, 2018, 2016
	QUEBRADA LAS SEQUÍAS PRNQ3B	3.5	SD		4a	4a	5	5	D F H, L	H	Confined Animal Feeding Operations Onsite Wastewater Systems	Arsenic	2006
												Dissolved Oxygen	2006
RÍO GRANDE DE ARECIBO	RIO GRANDE DE ARECIBO PRNR7A1	22.4	SD	NS 50027600	5	5	5	5	K	H	Agriculture Collection System Failure Confined Animal Feeding Operations	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Turbidity	2024, 2020, 2018, 2014,

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers		2012, 2010, 2006
	RÍO GRANDE DE ARECIBO PRNR7A2	122.8	SD	NS 50025000	5	5	5	5	K	H	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Pesticide	2008
												Temperature	2024, 2020
												Total, Nitrogen	2022
												Total, Phosphorus	2022, 2020
												Turbidity	2024, 2022, 2020, 2018, 2014, 2012, 2008
	TÚNEL PRNR7A3	28.9	SD	NS 50020500	5	5	5	5	K	H	Agriculture Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												pH	2022
												Total, Phosphorus	2022

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
	RÍO CAONILLAS PRNR7C1	87.0	SD	NS 50026000	5	5	5	5	K	H	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Surface Mining Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Total, Phosphorus	2022, 2020
	RÍO LIMÓN PRNR7C2	40.7	SD	NS 50026350	5	5	5	1	K	H	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2024
	RÍO YUNES PRNR7C3	32.7	SD	NS 50026950	5	5	5	1	K	H	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2024, 2020
	RÍO TANAMÁ PRNR7B2	43.5	SD	NS 50028000	5	5	5	5	K	H	Agriculture Collection System Failure Minor Industrial Point Sources	Chromium VI	2022, 2020
												Copper	2024
												Enterococci	2024, 2022, 2020, 2018
												Lead	2024

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Onsite Wastewater Systems	Total, Phosphorus	2024, 2022, 2018
												Turbidity	2024, 2022, 2018, 2014, 2012, 2008
RÍO GRANDE DE MANATÍ	RÍO GRANDE DE MANATÍ PRNR8A1	31	SD	NS 50038100	5	5	5	5	K	H	Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2018
												pH	2024
												Temperature	2024, 2022
												Total, Phosphorus	2024, 2022, 2018, 2016
												Turbidity	2024, 2022, 2018, 2014, 2012, 2010, 2008, 2006
	RÍO GRANDE DE MANATÍ PRNR8A2	38.1	SD	NS 50035500	5	5	5	5	K	H	Collection System Failure Confined Animal Feeding Operations Landfills Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Copper	2024, 2022, 2018
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												Lead	2024
												Mercury	2024
												Temperature	2024, 2020
												Total, Nitrogen	2024, 2022
												Total, Phosphorus	2024, 2022

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
												Turbidity	2024, 2022, 2018, 2014, 2012, 2010, 2008, 2006
	RÍO CIALITO PRNR8B	25.8	SD	NS 50035950	5	5	5	5	K	H	Agriculture Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Total, Phosphorus	2024
												Turbidity	2024, 2022, 2018, 2014, 2012, 2010
	RÍO OROCOVIS PRNR8E1	19.8	SD	NS 50030700	5	5	5	5	K	H	Collection System Failure Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												Total, Phosphorus	2024, 2022, 2020, 2018, 2016
	RÍO BOTIJAS PRNR8E2	19.1	SD		4a	4a	5	3	D H K	H	Confined Animal Feeding Operations Onsite Wastewater Systems	pH	2020
RÍO CIBUCO		31.1	SD		5	5	5	5	A	H	Agriculture	Chromium VI	2022, 2020

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
	RÍO CIBUCO PRNR9A			NS 50039500							Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Onsite Wastewater Systems	Lead	2024
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2022
												Total, Nitrogen	2022, 2020, 2018, 2016
												Total, Phosphorus	2024, 2022, 2020, 2018
												Turbidity	2024, 2020, 2018, 2014, 2012, 2010, 2008, 2006
	RÍO MOROVIS PRNR9B2	25.5	SD		4a	4a	5	3	A D H	H	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2020, 2014
RÍO DE LA PLATA	RÍO DE LA PLATA PRER10A1	21	SD	NS 50046000	5	5	5	5	B	H	Collection System Failure Confined Animal Feeding Operations Major Industrial Point Sources Minor Municipal Point Sources	Chromium VI	2022, 2020
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016
												Enterococci	2024, 2022, 2020, 2018
												Surfactants	2024
												Temperature	2024, 2020

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Onsite Wastewater Systems Surfaces Mining	Total, Phosphorus	2024
												Turbidity	2024
	RÍO DE LA PLATA PRER10A3	55.7	SD	NS 50044000	5	5	5	5	B	H	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Major Municipal Point Sources Onsite Wastewater Systems	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2024
												Total, Phosphorus	2022, 2018, 2016
	RÍO DE LA PLATA PRER10A4	10.2	SD	NS 50043000	5	5	5	5	B	H	Agriculture Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems	Chromium VI	2022, 2020
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												pH	2024, 2020
												Temperature	2024, 2020
												Total, Phosphorus	2024, 2022, 2020, 2018, 2016
Turbidity	2024, 2020, 2018, 2016, 2014, 2010, 2008												
	RÍO DE LA PLATA PRER10A5	92.7	SD	NS 50042500	5	5	5	5	B	H	Collection System Failure Confined Animal Feeding Operations Major Municipal Point Sources	Chromium VI	2022, 2020
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2024
												Total, Nitrogen	2024

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Total, Phosphorus Turbidity	2024, 2022, 2020, 2018, 2016 2024
	RÍO GUADIANA PRER10E	21.8	SD	NS 50044850	5	5	5	5	B	H	Collection System Failure Confined Animal Feeding Operations Minor Municipal Point Sources Onsite Wastewater Systems	Chromium VI	2022, 2020
Cyanide												2024	
Enterococci												2024, 2022, 2020, 2018	
Temperature												2024	
Total, Nitrogen												2024, 2022, 2018, 2016	
Total, Phosphorus												2024, 2022, 2020, 2018, 2016	
	RÍO ARROYATA PRER10G	36.8	SD	NS 50043998	5	5	5	5	B	H	Agriculture Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	Chromium VI	2022, 2020
Cyanide												2024	
Enterococci												2024, 2022, 2020, 2018	
Total, Phosphorus												2024, 2022, 2020, 2018, 2016	
	RÍO MATÓN PRER10J	15.8	SD	NS 50042800	5	5	5	5	B	H	Confined Animal Feeding Operations Onsite Wastewater Systems	Chromium VI	2022, 2020
Cyanide												2024	
Enterococci												2024, 2022, 2020, 2018	
Total, Nitrogen												2024, 2020	
	RÍO GUAVATE PRER10K	19.8	SD		4a	4a	5	3	B D H	H	Collection System Failure Confined Animal Feeding Operations	pH	2020, 2012

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Onsite Wastewater Systems Urban Runoff/Storm Sewers		
RÍO HONDO	RÍO HONDO PRER11A	22	SD		4a	4a	5	3	D F H	H	Collection System Failure Urban Runoff/Storm Sewers	Dissolved Oxygen	2016, 2014, 2008, 2006
												Surfactants	2016, 2008, 2006
RÍO BAYAMÓN	RÍO BAYAMÓN PRER12A1	33.6	SD	NS 50048510	5	5	5	5	F	H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												pH	2024, 2020
												Temperature	2024, 2022
												Total, Nitrogen	2024, 2022, 2020
	RÍO BAYAMÓN PRER12A2	83.7	SD	NS 50047820	5	5	5	1	F	H	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
	RÍO GUAYNABO PRER12B	50.7	SD	NS 50047990	5	5	5	5	F	H	Collection System Failure Confined Animal Feeding Operations Landfill	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												pH	2024
												Temperature	2024

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Total, Nitrogen Total, Phosphorus	2024, 2022, 2018, 2016 2024, 2022, 2020, 2018, 2016
RÍO GRANDE DE LOIZA	RÍO GRANDE DE LOIZA PRER14A1	31	SD	NS 50059100	5	5	5	5	F	H	Collection System Failure Confined Animal Feeding Operations Major Industrial Point Sources Onsite Wastewater Systems Surfaces Mining Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2018
												Surfactants	2024
												Temperature	2024, 2022
												Total, Nitrogen	2024
												Turbidity	2024, 2020, 2018, 2016, 2014, 2010, 2008, 2006
	RÍO GRANDE DE LOIZA PRER14A2	86.6	SD	NS 50055000	5	5	5	5	C E G	H	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Surfaces Mining Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Pesticides	2008
												Temperature	2024, 2022
												Total, Phosphorus	2022, 2018, 2016
												Turbidity	2024, 2022, 2018
	RÍO CANÓVANAS PRER14B	32.6	SD		4a	4a	5	3	D F H	H	Confined Animal Feeding Operations	Dissolved Oxygen	2016

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers		
	RÍO CANOVANILLAS PRER14C	27.9	SD		4a	4a	5	3	D F H	H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2016, 2014
	RÍO GURABO PRER14G1	124.3	SD	NS 50057025	5	5	5	5	C E	H	Collection System Failure Confined Animal Feeding Operations Landfills Minor Industrial Point Sources Onsite Wastewater Systems Surfaces Mining	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2024, 2022, 2020
												Total, Nitrogen	2022, 2020, 2018
												Total, Phosphorus	2022, 2020, 2018, 2016
												Turbidity	2022, 2020, 2018, 2014, 2012, 2010, 2008, 2006
	RÍO VALENCIANO PRER14G2	42.8	SD	NS 50056500	5	5	5	5	C	H	Agriculture Collection System Failure Confined Animal Feeding Operations	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Total, Nitrogen	2024, 2022

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Landfills Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Total, Phosphorus	2024, 2022, 2020, 2018, 2016
											Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2024, 2022, 2018, 2014, 2010, 2008
	RÍO BAIROA PRER14H	16.3	SD	NS 50055410	5	5	5	5	C E G I	H	Collection System Failure Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
											Enterococci	Enterococci	2024, 2022, 2020, 2018
											Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Total, Phosphorus	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008
											Urban Runoff/Storm Sewers	Total, Nitrogen	2024, 2022, 2018, 2016
	RÍO CAGÜITAS PRER14I	33.9	SD	NS 50055250	5	5	5	5	C E G I	H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Surfaces Mining Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
											Enterococci	Enterococci	2024, 2022, 2020, 2018
											Confined Animal Feeding Operations	Temperature	2022
											Onsite Wastewater Systems	Total, Nitrogen	2022, 2020, 2018, 2016
											Surfaces Mining Urban Runoff/Storm Sewers	Total, Phosphorus	2022, 2020, 2018, 2016
											Urban Runoff/Storm Sewers	Turbidity	2022, 2018, 2014, 2010, 2008
	RÍO TURABO PRER14J	54.7	SD	NS 50054500	5	5	5	5	C	H	Agriculture Collection System Failure Confined Animal Feeding Operations	Chromium VI	2022, 2020
											Collection System Failure	Copper	2022, 2018, 2014
											Confined Animal Feeding Operations	Enterococci	2024, 2022, 2020, 2018
												Lead	2022, 2018

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Temperature Total, Phosphorus Turbidity	2024, 2022, 2020 2022, 2018 2024, 2022, 2018, 2014, 2006
	RÍO CAYAGUAS PRER14K	38.5	SD	NS 50051500	5	5	5	5	C	H	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	Chromium VI	2022, 2020
												Copper	2022, 2018
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2022
												Total, Nitrogen	2022
												Total, Phosphorus	2022, 2018, 2016
												Turbidity	2024, 2022, 2018
RÍO HERRERA	RÍO HERRERA PRER15A	17	SD		4a	4a	5	5	D F H	M	Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2016, 2006
												Turbidity	2014, 2012
RÍO ESPIRITU SANTO	RÍO ESPIRITU SANTO PRER16A	53.9	SD	NS 50063800	5	5	5	1	F	M	Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources	Ammonia	2024
												Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Onsite Wastewater Systems		
QUEBRADA MATA DE PLÁTANO	QUEBRADA MATA DE PLÁTANO PREQ18A	4.0	SD		4a	4a	5	3	D F H	M	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2016, 2014, 2012, 2006
												Surfactants	2016, 2012
QUEBRADA FAJARDO	QUEBRADA FAJARDO PREQ21A	10.0	SD		4a	4a	5	3	D H J	M	Collection System Failure Onsite Wastewater Systems	Dissolved Oxygen	2020, 2006
												pH	2020, 2018
												Temperature	2020
RÍO FAJARDO	RÍO FAJARDO PRER22A	59.0	SD	NS 50072500	5	5	5	5	J	M	Confined Animal Feeding Operations Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2024, 2022, 2020
												Total, Nitrogen	2024, 2022, 2020, 2018, 2016
												Total, Phosphorus	2024, 2022, 2020, 2018, 2016
												Turbidity	2024
RÍO DEMAJAGUA	RÍO DEMAJAGUA PRER23A	2.8	SD		4a	4a	5	3	D H J	M	Onsite Wastewater Systems	Dissolved Oxygen	2020, 2016, 2012
QUEBRADA CEIBA	QUEBRADA CEIBA PREQ24A	5.0	SD		4a	4a	5	3	D H J	M	Onsite Wastewater Systems	Dissolved Oxygen	2016, 2014, 2012, 2006
												Surfactants	2016, 2014, 2012
QUEBRADA AGUAS CLARAS	QUEBRADA AGUAS CLARAS PREQ25A	4.8	SD		4a	4a	5	3	D H J	M	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2020, 2012, 2006

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
RÍO DAGUAO	RÍO DAGUAO PRER26A	13.8	SD		4a	4a	5	3	D H J	M	Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen	2016, 2012, 2006
QUEBRADA BOTIJAS	QUEBRADA BOTIJAS PREQ28A	7.4	SD		4a	4a	5	3	D H J	M	Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen	2020, 2018, 2012, 2006
RÍO BLANCO	RÍO BLANCO PRER30A	45.0	SD		4a	4a	5	5	D H J	H	Agriculture Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2020, 2012
	QUEBRADA PEÑA POBRE PREQ30B	13.4	SD		4a	4a	5	3	D H J	H	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen	2020, 2018, 2006
RÍO ANTÓN RUIZ	RÍO ANTÓN RUIZ PRER31A	16.9	SD		4a	4a	5	3	D H J	M	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen	2020, 2016, 2014, 2012
												Temperature	2020
QUEBRADA FRONTERA	QUEBRADA FRONTERA PREQ32A	8.5	SD		4a	4a	5	3	D H J	M	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen	2020, 2012, 2006
		55.8	SD		5	5	5	5	F	M		Chromium VI	2022, 2020

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
RÍO HUMACAO	RÍO HUMACAO PRER33A			NS 50082000							Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2022, 2018, 2014
												Enterococci	2024, 2022, 2020, 2018
												Surfactants	2024
												Temperature	2024, 2022, 2020
												Total, Nitrogen	2022, 2020, 2018
												Total, Phosphorus	2024, 2022, 2020, 2018, 2016
												Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2008, 2006
RÍO CANDELERO	RÍO CANDELERO PRER34A	10.4	SD		4a	4a	5	3	D F H	M	Onsite Wastewater Systems Confined Animal Feeding Operations	Dissolved Oxygen	2020, 2018, 2012
RÍO GUAYANÉS	RÍO GUAYANÉS PRER35A	62.0	SD	NS 50085000	5	5	5	5	F	M	Agriculture Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems	Chromium VI	2022, 2020
												Copper	2024, 2020, 2016, 2014, 2012, 2006
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2024, 2022
												Total, Nitrogen	2022
												Total, Phosphorus	2024, 2022, 2020

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
												Turbidity	2024, 2022, 2020, 2016, 2014, 2012, 2006
RÍO MAUNABO	RÍO MAUNABO PRER37A	36.0	SD	NS 50091000	5	5	5	5	F	M	Agriculture Collection System Failure Landfill Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewer	Chromium VI	2022, 2020
												Copper	2024
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2024, 2022, 2020
												Total, Nitrogen	2024, 2022, 2020, 2016
												Total, Phosphorus	2022, 2020, 2016
												Turbidity	2022, 2020
QUEBRADA PALENQUE	QUEBRADA PALENQUE PRSQ41A	1.0	SD		4a	4a	5	3	D H J, L	M	Onsite Wastewater Systems	Dissolved Oxygen	2012
RÍO CHICO	RÍO CHICO PRSR42A	14.6	SD		4a	4a	5	5	D H J L	M	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Ammonia	2016, 2014, 2012, 2006
												Copper	2016, 2006
												Dissolved Oxygen	2016, 2012, 2006
												Silver	2004
												Surfactants	2016, 2006
												Total, Phosphorus	2016, 2006
RÍO GRANDE DE PATILLAS	RÍO GRANDE DE PATILLAS PRSR43A2	35.9	SD	NS 50092000	5	5	5	5	J	H	Onsite Wastewater Systems	Chromium VI	2022, 2020
												Copper	2024
												Cyanide	2024

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
												Enterococci	2024, 2022, 2020, 2018
RÍO GUAMANÍ	RÍO GUAMANÍ PRSR49A	22.0	SD		4a	4a	5	3	D H J L	M	Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Temperature	2012
QUEBRADA MELANÍA	QUEBRADA MELANÍA PRSQ50A	7.0	SD		4a	4a	5	3	D H J, L	M	Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2020, 2018, 2016, 2014, 2012, 2008
RÍO SECO	RÍO SECO PRSR51A	24.7	SD		4a	4a	5	3	D H J, L	M	Agriculture Onsite Wastewater Systems	Dissolved Oxygen	2012
QUEBRADA AMORÓS	QUEBRADA AMORÓS PRSQ52A	0.7	SD		4a	4a	5	3	D H J, L	M	Agriculture Collection System Failure Onsite Wastewater Systems	Dissolved Oxygen	2020, 2012, 2008
												pH	2020
QUEBRADA AGUAS VERDES	QUEBRADA AGUAS VERDES PRSQ53A	15.0	SD		4a	4a	5	3	D F H L	M	Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen	2020, 2016, 2014, 2012
RÍO NIGUAS DE SALINAS	RÍO NIGUAS DE SALINAS PRSR54A	102.5	SD		4a	4a	5	3	D F H L	M	Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen	2010

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Surfaces Mining Urban Runoff/Storm Sewers		
RÍO CAYURES	RÍO CAYURES PRSR56A	5.0	SD		4a	4a	5	3	D H J L	M	Agriculture Onsite Wastewater Systems	Dissolved Oxygen	2016, 2014, 2012
												Surfactants	2016, 2014, 2012
RÍO COAMO	RÍO COAMO PRSR57A2	59.0	SD	NS 50106500	5	5	5	5	J	H	Agriculture Collection System Failure Confined Animal Feeding Operations Landfill Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Cyanide	2024, 2022
												Enterococci	2024, 2022, 2020, 2018
												Surfactants	2024
												Temperature	2024, 2022
												Total, Nitrogen	2024, 2020, 2016
												Total, Phosphorus	2024
	RÍO CUYÓN PRSR57B	49.2	SD		4a	4a	5	3	D H J	H	Agriculture Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Temperature	2020
RÍO BUCANÁ-CERRILLOS	RÍO BUCANÁ-CERRILLOS PRSR62A1	27.8	SD	NS 50114400	5	5	5	5	J	M	Collection System Failure Onsite Wastewater Systems	Chromium VI	2022, 2020
												Cyanide	2024
												Dissolved Oxygen	2024, 2022, 2020, 2018

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Surfaces Mining Urban Runoff/Storm Sewers	Enterococci	2024, 2022, 2020, 2018
	RÍO BUCANÁ-CERRILLOS PRSR62A2	32.6	SD	NS 50113800	5	5	5	5	J	M	Agriculture Minor Industrial Point Sources Onsite Wastewater Systems	Chromium VI	2022, 2020
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												Surfactants	2024
RÍO PORTUGUÉS	RÍO PORTUGUÉS PRSR63A	54.0	SD	NS 50116200	5	5	5	5	J	M	Collection System Failure Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Cyanide	2024
												Dissolved Oxygen	2024
												Enterococci	2024, 2022, 2020, 2018
RÍO MATILDE – PASTILLO	RÍO MATILDE – PASTILLO PRSR64A	43.2	SD		4a	4a	5	3	D H J L	M	Agriculture Collection System Failure Confined Animal Feeding Operations Landfills Major Industrial Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Temperature	2020
	RÍO TALLABOA	59.6	SD		4a	4a	5	1		M	Agriculture	pH	2020

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
RÍO TALLABOA	PRSR65A								D H J L		Collection System Failure Minor Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Temperature	2020
RÍO GUAYANILLA	RÍO GUAYANILLA PRSR67A	60.0	SD	NS 50124700	5	5	5	5	F	H	Agriculture Collection System Failure Landfill Minor Industrial Point Sources Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Ammonia	2022, 2020, 2018, 2014
												Chromium VI	2022, 2020
												Cyanide	2024
												Dissolved Oxygen	2024, 2022, 2020, 2016, 2014, 2012, 2008
												Enterococci	2024, 2022, 2020, 2018
												Temperature	2022, 2020
												Total, Nitrogen	2024, 2022, 2020, 2018, 2016
Total, Phosphorus	2024, 2022, 2020, 2018, 2016, 2012, 2010, 2008												
RÍO YAUCO	RÍO YAUCO PRSR68A1	61.4	SD		4a	4a	5	5	D F	M	Agriculture	Dissolved Oxygen	2014

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
									H L		Collection System Failure Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Total, Phosphorus	2016, 2012
RÍO LOCO	RÍO LOCO PRSR69A1	92.4	SD		4a	4a	5	5	D F H	M	Agriculture Collection System Failure	Dissolved Oxygen	2020, 2016, 2014, 2012, 2006
											Confined Animal Feeding Operation	Temperature	2020
											Landfills Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2020
QUEBRADA ZUMBÓN	QUEBRADA ZUMBÓN PRWQ72A	1.7	SD		4a	4a	5	3	D H J, L	M	Collection System Failure Onsite Wastewater Systems	Dissolved Oxygen	2016, 2014
												Surfactants	2012
QUEBRADA GONZÁLEZ	QUEBRADA GONZÁLEZ PRWQ73A	1.8	SD		4a	4a	5	3	D H J, L	M	Onsite Wastewater Systems	Dissolved Oxygen	2020, 2018, 2012

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
QUEBRADA LOS PAJARITOS	QUEBRADA LOS PAJARITOS PRWQ74A	2.7	SD		4a	4a	5	3	D H J, L	M	Onsite Wastewater Systems	Dissolved Oxygen	2020, 2012
RÍO GUANAJIBO	RÍO GUANAJIBO PRWR77A	119.3	SD	NS 50138000	5	5	5	5	F	H	Collection System Failure	Chromium VI	2022, 2020
											Confined Animal Feeding Operations	Cyanide	2024
											Landfill	Dissolved Oxygen	2024, 2020
											Major Municipal Point Sources	Enterococci	2024, 2022, 2020, 2018
											Onsite Wastewater Systems	Total, Phosphorus	2024, 2022, 2020, 2018, 2016
											Urban Runoff/Storm Sewers	Turbidity	2024
	RÍO ROSARIO PRWR77C	58.3	SD	NS 50136700	5	5	5	5	F	H	Agriculture	Chromium VI	2022, 2020
											Collection System Failure	Cyanide	2024
											Confined Animal Feeding Operations	Enterococci	2024, 2022, 2020, 2018
											Landfills	Pesticides	2012
											Minor Industrial Point Sources	Total, Phosphorus	2022
											Minor Municipal Point Sources	Turbidity	2024, 2022
	RÍO VIEJO PRWR77D	21.1	SD	NS 50135625	5	5	5	5	F	H	Collection System	Chromium VI	2022, 2020
											Failure	Cyanide	2024, 2022

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012
												Enterococci	2024, 2022, 2020, 2018
												Surfactants	2024
												Temperature	2024
												Total, Phosphorus	2024, 2022, 2020, 2018, 2016
	RÍO CUPEYES PRWR77G	8.0	SD		4a	4a	5	5	D F H	H	Agriculture Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Pesticides	2012
CAÑO MERLE	CAÑO MERLE PRWK78A	1.6	SD		4a	4a	5	3	D H J L	M	Collection System Failure	Dissolved Oxygen	2012
											Surfaces Mining Onsite Wastewater Systems Urban Runoff/Storm Sewers	Surfactants	2012
RÍO YAGÜEZ	RÍO YAGÜEZ PRWR79A	42.2	SD	NS 50139000	5	5	5	5	J	H	Agriculture	Chromium VI	2022, 2020
											Collection System Failure	Cyanide	2024
											Confined Animal Feeding Operations	Enterococci	2024, 2022, 2020, 2018
											Minor Industrial Point Sources	Temperature	2024
												Total, Nitrogen	2024

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
											Onsite Wastewater Systems Urban Runoff/Storm Sewers	Total, Phosphorus	2024
												Turbidity	2024
RÍO GRANDE DE AÑASCO	RÍO GRANDE DE AÑASCO PRWR83A	126.0	SD	NS 50146000	5	5	5	5	K	H	Agriculture Collection System Failure Confined Animal Feeding Operations Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Copper	2024
												Cyanide	2024
												Enterococci	2024, 2022, 2020, 2018
												pH	2022
												Temperature	2024
												Total, Phosphorus	2024
												Turbidity	2024, 2020, 2018, 2016, 2014, 2012, 2010
	RÍO PRIETO PRWR83I	59.8	SD		4a	4a	5	5	D H K	H	Agriculture Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	Pesticides	2012
QUEBRADA LOS RAMOS	QUEBRADA LOS RAMOS PRWQ89A	6.9	SD		3	3	5	3	D H L	L	Confined Animal Feeding Operations Landfill Onsite Wastewater Systems	Dissolved Oxygen	2020, 2018, 2012, 2008
QUEBRADA PILETAS	QUEBRADA PILETAS PRWQ91A	2.0	SD		3	3	5	3	D H L	L	Onsite Wastewater Systems	Dissolved Oxygen	2012
		142.6	SD	NS	5	5	5	5	K	H	Agriculture	Chromium VI	2022, 2020

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2024 Cycle 303(d) List – List of Rivers and Streams													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	A L	DW					
RÍO CULEBRINAS	RÍO CULEBRINAS PRWR95A			50149100							Collection System Failure	Cyanide	2024
											Confined Animal Feeding Operations	Enterococci	2024, 2022, 2020, 2018
											Landfill	Pesticides	2012
											Major Industrial Point Sources	Temperature	2024
											Major Municipal Point Sources	Total, Nitrogen	2024, 2022, 2018
											Minor Industrial Point Sources	Total, Phosphorus	2024, 2022, 2020, 2018
											Minor Municipal Point Sources	Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
											Onsite Wastewater Systems Urban Runoff/Storm Sewers		
	QUEBRADA LA SALLE PRWQ95F	11.8	SD		4a	4a	5	5	D H K	H	Agriculture	Dissolved Oxygen	2016
											Confined Animal Feeding Operations Onsite Wastewater Systems	Pesticides	2012
	QUEBRADA EL SALTO PRWQ95G	7.8	SD		4a	4a	5	3	D H K	H	Agriculture Onsite Wastewater Systems	Dissolved Oxygen	2020, 2016
	QUEBRADA GRANDE DE LA MAJAGUA PRWQ95H	5.6	SD		4a	4a	5	5	D H K	H	Agriculture Confined Animal Feeding Operations Onsite Wastewater Systems	Pesticides	2012

Notes:

A - Watershed that has an approved TMDL for Río Cibuco, the TMDL was approved in September 2002, the pollutant was Fecal Coliforms.

B - Watershed that has an approved TMDL for Río de la Plata, the TMDL was approved in September 2003, the pollutant was Fecal Coliforms.

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C - Watershed that has an approved TMDL for Río Grande de Loíza, the TMDL was approved in September 2007, the pollutant was Fecal Coliforms.

D - Watershed and sub watershed that do not have a permanent monitoring station but were included in prior cycles as part of the 303(d) list by a synoptic study or a special monitoring project.

E - Watershed that has an approved TMDL for Río Grande de Loíza a TMDL was approved in August 2007, the pollutant was Dissolved Oxygen.

F - Watersheds that have approved TMDL in September 2012, the pollutant was Fecal Coliforms.

G - Watershed that has an approved TMDL. Río Grande de Loíza, the TMDL was approved in August 2007, the pollutant was Copper.

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2024 cycle.

I - Watershed that has approved TMDL from Río Grande de Loíza, a TMDL was approved in August 2007, the pollutant was Ammonia.

J - Watersheds that have approved TMDL in September 2011, the pollutant was Fecal Coliform.

K - Watersheds that have an approved TMDL in September 2010, the pollutant was Fecal Coliforms. The watersheds are Río Grande de Arecibo, Río Grande de Manatí, Río Grande de Añasco and Río Culebrinas.

L - Watershed and sub watersheds who are or have been under Category 4c, are waterbodies that lack adequate flow, which impaired some of the designated uses.

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

DW - Raw Sources for Drinking Water

N/A - Not applicable

Priority:

H: High Priority: basins including in the Puerto Rico Unified Watershed Assessment and Restoration Activities (PRUWARA), as basins of priority due to the high pollution level related to all the designated uses.

M: Intermediate Priority: basins that were not included in the PRUWARA and have 50% or more of its waters as impaired for some designated use.

L: Low Priority: basins that were not included in the PRUWARA and have less than 50% of its waters as impaired for some designated use.

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ESTUARY

Size of waters Impaired by Causes (Monitored sq. mi. for Estuaries)	
Causes of Impairments	Size of Waters Impaired (sq. mi.)
Arsenic	0.0364
Dissolved Oxygen	0.8618
Surfactants	1.0130
Temperature	0.0780
Turbidity	0.2932

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2024 Cycle 303(d) List – List of Estuaries												
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.												
Basin	Waterbody Name	Waterbody Size (sq. miles)	Class	2024 Monitoring Stations	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	AL					
RÍO HERRERA PRER15A	RÍO HERRERA PREE15A	0.102	SB		4a	4a	5	D F, H	M	Landfill Onsite Wastewater Systems	Surfactants	2012
RÍO ESPÍRITU SANTO PRER16A	RÍO ESPÍRITU SANTO PREE16A	0.5758	SB		4a	4a	5	D F, H	M	Collection System Failure Onsite Wastewater Systems	Dissolved Oxygen	2012, 2006
											Surfactants	2012
RÍO DEMAJAGUA PRER23A	RÍO DEMAJAGUA PREE23A	0.0028	SB		4a	4a	5	D H, J	M	Collection System Failure Urban Runoff/Storm Sewers	Turbidity	2012
RÍO CANDELERO PRER34A	RÍO CANDELERO PREE34A	0.078	SB		4a	4a	5	D F, H	M	Collection System Failure	Dissolved Oxygen	2006
											Temperature	2012
RÍO GUAYANÉS PRER35A	RÍO GUAYANÉS PREE35A	0.0364	SB		4a	4a	5	F H	M	Agriculture Collection System Failure Onsite Wastewater Systems	Arsenic	2010, 2008, 2006
											Turbidity	2010
CAÑO SANTIAGO PREK35.1	CAÑO SANTIAGO PREE35.1	0.1152	SB		4a	4a	5	D F H	M	Agriculture Collection System Failure Landfill Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2012, 2006
											Surfactants	2012
											Turbidity	2012

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2024 Cycle 303(d) List – List of Estuaries												
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.												
Basin	Waterbody Name	Waterbody Size (sq. miles)	Class	2024 Monitoring Stations	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	AL					
RÍO MATILDE-PASTILLO PRSR64A	RÍO MATILDE-PASTILLO PRSE64A	0.0432	SB		4a	4a	5	D H J, L	M	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2012
RÍO TALLABOA PRSR65A	RÍO TALLABOA PRSE65A	0.0336	SB		4a	4a	5	D, H J, L	M	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2012
CAÑO MERLE PRWK78A	CAÑO MERLE PRWE78A	0.158	SB		4a	4a	5	D, H J, L	M	Collection System Failure	Surfactants	2014
CAÑO BOQUILLA PRWK82A	CAÑO BOQUILLA PRWE82A	0.062	SB		3	3	5	D H L	L	Onsite Wastewater Systems	Dissolved Oxygen	2012
											Surfactants	2012
											Turbidity	2012
QUEBRADA GRANDE DE CALVACHE PRWQ88A	QUEBRADA GRANDE DE CALVACHE PRWE88A	0.002	SB		4a	4a	5	D H L	M	Urban Runoff/Storm Sewers	Dissolved Oxygen	2016, 2012, 2008
RÍO GUAYABO PRWR94A	RÍO GUAYABO PRWE94A	0.0288	SB		4a	4a	5	D H, J	M	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2012, 2008

Notes:

D - Watershed and sub watershed that do not have a permanent monitoring station but were included in prior cycles as part of the 303(d) list by a synoptic study or a special monitoring project.

F - Watersheds that have approved TMDL in September 2012, the pollutant was Fecal Coliforms.

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2022 cycle.

J - Watersheds that have approved TMDL in September 2011, the pollutant was Fecal Coliform.

L - Watershed and sub watersheds who are or have been under Category 4c, are waterbodies that lack adequate flow, which impaired some of the designated uses.

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

Priority:

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M: Intermediate Priority: basins that were not including in the Puerto Rico Unified Watershed Assessment and Restoration Activities (PRUWARA) and have 50% or more of its waters as impaired for some designated use.

L: Low Priority: basins that were not included in the PRUWARA and have less than 50% of its waters as impaired for some designated use.

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SAN JUAN BAY ESTUARY

Size of waters Impaired by Causes San Juan Bay Estuary System	
Causes of Impairments	Size of Waters Impaired (sq. mi., miles)
Chromium VI	3.8340 sq. mi.
Copper	0.1009 sq. mi., 18.8 mi.
Dissolved Oxygen	3.8340 sq. mi., 18.8 mi.
Enterococci	3.8340 sq. mi., 18.8 mi.
Lead	0.1009 sq. mi.
Mercury	3.8340 sq. mi.
Oil and Grease	3.8340 sq. mi 18.8 mi.
pH	3.7331 sq. mi., 18.8 mi.
Surfactants	0.1009 sq. mi.
Temperature	3.8340 sq. mi., 18.8 mi.
Total, Nitrogen	3.8340 sq. mi.
Total, Phosphorous	3.8340 sq. mi.
Turbidity	3.8340 sq. mi., 18.8 mi

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2024 Cycle 303(d) List – List of San Juan Bay Estuary System													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles/ sq. miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	A L	D W					
ESTUARY SYSTEM	PREE13A1 * Caño Control de La Malaria * Bahía de San Juan * Caño San Antonio * Laguna Del Condado * Península La Esperanza	18.8 miles	SB	ED SJBEP - Bahía de San Juan 1, 2, 3 Laguna Del Condado 1, 2 Canal San Antonio Canal La Malaria Península La Esperanza ED USGS – Monitoring Station 50048565 and 50048580	5	5	5	N/A	F M	L	Collection System Failure Confined Animal Feeding Operations Major Industrial Point Sources Major Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2006
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2006
												Enterococci	2022, 2020, 2018, 2016, 2014, 2012
												Oil & Grease	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010
												pH	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2006
												Temperature	2024, 2022, 2020, 2018, 2016, 2014, 2006
												Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010
	PREE13A2 * Río Piedras * Embalse Las Curías	0.1009 sq. mi 55 miles	SD	NS 50049100 89027 ED SJBEP - Río Piedras 01, 02, 03 Río Puerto Nuevo Embalse Las Curias	5	5	5	5	F M	H	Collection System Failure Confined Animal Feeding Operations Landfill Urban Runoff/Storm Sewers	Chromium VI	2022, 2020
												Copper	2024, 2020
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												Enterococci	2024, 2022, 2020, 2018
												Mercury	2024
												Lead	2024, 2020
												Oil and Grease	2024
												Surfactants	2024, 2020

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2024 Cycle 303(d) List – List of San Juan Bay Estuary System													
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (miles/ sq. miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	A L	D W					
												Temperature	2024, 2022, 2018, 2016, 2014
												Total, Nitrogen	2024, 2022, 2020, 2018, 2016
												Total, Phosphorus	2024, 2022, 2020, 2018, 2016
												Turbidity	2024, 2022, 2020, 2018, 2014, 2012, 2010, 2008, 2006
	PREE13A3 * Caño Martín Peña * Quebrada Juan Méndez * Quebrada San Antón * Quebrada Blasina * Canal Machicote * Canal Suárez * Laguna San José * Laguna Torrecillas * Laguna Piñones * Laguna Los Corozos	3.7331 sq. mi 47.9 miles	SB SD	NS 50050300 ED SJBEP – Canal Suárez 1, 2 Caño Martín Peña Laguna San José 1, 2 Quebrada Blasina Quebrada San Antón Laguna Los Corozos Laguna Torrecillas 1, 2, 3 Laguna Piñones	5	5	5	N/A	M	H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Chromium VI Dissolved Oxygen Enterococci Mercury Oil and Grease pH Temperature Total, Nitrogen Total, Phosphorus Turbidity	2022, 2020 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006 2024, 2022, 2020, 2018, 2014, 2012 2024 2024 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2006 2024, 2022, 2020, 2018, 2016, 2014, 2012 2024, 2020, 2018, 2016 2024, 2022, 2020, 2018, 2016

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Notes:

F - Watersheds that have approved TMDL in September 2012, the pollutant was Fecal Coliforms.

M- External Data

ED SJBEP – External Data of San Juan Bay Estuary Program

ED USGS – External Data of US Geological Survey

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

DW -Raw Source for Drinking Water

N/A - Not applicable

Priority:

H: High Priority: basins including in the Puerto Rico Unified Watershed Assessment and Restoration Activities (PRUWARA), as basins of priority due to the high pollution level related to all the designated uses.

L: Low Priority: basins that were not included in the PRUWARA and have less than 50% of its waters as impaired for some designated use.

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LAGOONS

Size of waters Impaired by Causes (Monitored Acres for Lagoons)	
Causes of Impairments	Size of Waters Impaired (sq. mi.)
Copper	2.6172
Dissolved Oxygen	3.8781
Enterococci	0.5250
pH	1.2703
Temperature	0.4016
Turbidity	1.4344

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2024 Cycle 303(d) List – List of Lagoons												
Note: The 2024 303(d) List is comprised of the impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, and 2008.												
Waterbody Name	AU - ID	Waterbody Size (sq. mi.)	Class	2024 Monitoring Stations	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	AL					
LAGUNA JOYUDAS	PRWN0005	0.5297	SB		4a	4a	5	H J	L	Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Copper	2014
											Dissolved Oxygen	2014
LAGUNA TORTUGUERO	PRNN0006	0.8656	SE		3	3	5	H	L	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2014, 2012
LAGUNA MATA REDONDA	PRNN0007	0.0234	SB		3	3	5	H	L	Urban Runoff/Storm Sewers	Dissolved Oxygen	2014
											pH	2014
LAGUNA AGUAS PRIETAS	PREN0011	0.2	SB		3	3	5	H	L	Unknown Source	Copper	2014
											Dissolved Oxygen	2014
											Turbidity	2014
LAGUNA GRANDE	PREN0012	0.3375	SB		5	5	5	H	L	Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen	2014, 2008
											Enterococci	2014
											pH	2008
LAGUNA CEIBA	PREN0013	0.1875	SB		5	5	5	H	L	Unknown Source	Copper	2014
											Dissolved Oxygen	2014
											Enterococci	2014
											pH	2014
LAGUNA POZUELO	PRSN0014	0.0547	SB		3	3	5	H	L	Unknown Source Urban Runoff/Storm Sewers	Copper	2014
											Dissolved Oxygen	2014
											pH	2014
											Temperature	2014
	PRSN0015	0.325	SB		3	3	5	H	L	Unknown Source	Copper	2014

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2024 Cycle 303(d) List – List of Lagoons												
Note: The 2024 303(d) List is comprised of the impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, and 2008.												
Waterbody Name	AU - ID	Waterbody Size (sq. mi.)	Class	2024 Monitoring Stations	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R2	AL					
LAGUNA MAR NEGRO										Urban Runoff/Storm Sewers	Dissolved Oxygen	2014
											pH	2014
LAGUNA PUNTA ARENAS	PRSN0016	0.0281	SB		3	3	5	H	L	Unknown Source	Copper	2014
										Urban Runoff/Storm Sewers	Dissolved Oxygen	2014
											Temperature	2014
											Turbidity	2014
LAGUNA TIBURONES	PRSN0017	0.0219	SB		3	3	5	H	L	Landfill	Copper	2014
										Unknown Source	Dissolved Oxygen	2014
											pH	2014
											Temperature	2014
											Turbidity	2014
LAGUNA SALINAS	PRSN0018	0.1203	SB		3	3	5	H	L	Onsite Wastewater Systems	Copper	2014
										Unknown Source	Dissolved Oxygen	2014
LAGUNA SALINAS I (FRATERNIDAD)	PRSN0019	0.4594	SB		3	3	5	H	L	Onsite Wastewater Systems	Copper	2014
										Unknown Source	Dissolved Oxygen	2014
											Turbidity	2014
LAGUNA CABO ROJO 2 (CANDELARIA)	PRSN0020	0.2969	SB		3	3	5	H	L	Unknown Source	Copper	2014
											Dissolved Oxygen	2014
											Temperature	2014
											Turbidity	2014
LAGUNA CABO ROJO 3 (EL FARO)	PRSN0021	0.1078	SB		3	3	5	H	L	Unknown Source	Copper	2014
											Dissolved Oxygen	2014
											Turbidity	2014
CAÑO BOQUERÓN	PRSN0022	0.2859	SB		3	3	5	H	L	Marinas and Recreational Boating	Copper	2014
										Minor Industrial Point Sources	Dissolved Oxygen	2014
											pH	2014
											Turbidity	2014
	PRSN0023	0.0344	SB		3	3	5	H	L	Unknown Source	Dissolved Oxygen	2014

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2024 Cycle 303(d) List – List of Lagoons												
Note: The 2024 303(d) List is comprised of the impairments included in assessment cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, and 2008.												
Waterbody Name	AU - ID	Waterbod y Size (sq. mi.)	Class	2024 Monitoring Stations	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R1	R 2	AL					
LAGUNA GUANIQUILLA											pH	2014
											Turbidity	2014

Notes:

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2022 cycle.

J - Watersheds that have approved TMDL in September 2011, the pollutant was Fecal Coliform.

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

Priority:

L: Low Priority: basins that were not included in the Puerto Rico Unified Watershed Assessment and Restoration Activities (PRUWARA) and have less than 50% of its waters as impaired for some designated use.

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LAKES

Size of waters Impaired by Causes (Monitored acres/miles for Lakes)	
Causes of Impairments	Size of Waters Impaired (acres)
Arsenic	1,194
Copper	2,500
Dissolved Oxygen	7,323
Enterococci	35
Lead	1,726
Mercury	35
Pesticides	2,133
pH	6,301
Surfactants	634
Temperature	4,790
Total, Nitrogen	6,849
Total, Phosphorus	7,269
Turbidity	5,080

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2024 Cycle 303(d) List – List of Lakes													
Note: The 2024 303(d) List is comprised of the impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (acres/miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	AL	DW					
RÍO GUAJATACA	LAGO GUAJATACA PRNL3A1	1000 acres	SD	NS 10720 10790 10790C	4a	4a	5	5	F	H	Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Unknown Sources	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												pH	2022, 2020, 2016
												Temperature	2024, 2022, 2020
												Total, Nitrogen	2022, 2020
												Total, Phosphorus	2022, 2020, 2018
RÍO GRANDE DE ARECIBO	LAGO DOS BOCAS PRNL17A1	634 acres	SD	NS 25110 27090 27090E	4a	4a	5	5	K N	H	Agriculture Confined Animal Feeding Operations Minor Industrial Point Source Onsite Wastewater Systems Unknown Sources	Arsenic	2006
												Copper	2006
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												pH	2024, 2022, 2020, 2018, 2016, 2012
												Surfactants	2006
												Temperature	2024, 2022, 2020
												Total, Nitrogen	2024, 2022, 2020, 2018
												Total, Phosphorus	2024, 2022, 2020, 2018

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2024 Cycle 303(d) List – List of Lakes													
Note: The 2024 303(d) List is comprised of the impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (acres/miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	AL	DW					
												Turbidity	2022, 2020
RÍO GRANDE DE ARECIBO	LAGO CAONILLAS PRNL ₂ 7C1	700 acres	SD	NS 89001 89002 89003	4a	4a	5	5	K	H	Agriculture Onsite Wastewater Systems	Copper	2020, 2012
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												Pesticides	2008
												Total, Nitrogen	2024, 2022, 2020
												Total, Phosphorus	2024, 2022, 2020, 2018
												Turbidity	2024
RÍO GRANDE DE ARECIBO	LAGO GARZAS PRNL ₃ 7A3	108 acres	SD	NS 20050	4a	4a	5	5	K	H	Agriculture Onsite Wastewater Systems Unknown Sources	Copper	2020
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2006
												Lead	2020
												Pesticides	2008
												pH	2024
												Total, Phosphorus	2024, 2022, 2018
RÍO GRANDE DE MANATÍ	LAGO GUINEO PRNL ₁ 8C1	54 acres	SD		4a	4a	5	5	H K	H	Agriculture Onsite Wastewater Systems	Dissolved Oxygen	2012, 2010, 2006
												Pesticides	2008
			SD		4a	4a	5	5	K	H	Agriculture	Copper	2020

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2024 Cycle 303(d) List – List of Lakes													
Note: The 2024 303(d) List is comprised of the impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (acres/miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	AL	DW					
RÍO GRANDE DE MANATÍ	LAGO MATRULLAS PRNL ₂ 8C1	77 acres		NS 89009 89010							Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems Unknown Sources	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010
												Lead	2020
												pH	2024, 2020, 2018, 2014, 2012, 2010, 2006
												Total, Nitrogen	2022, 2020
												Total, Phosphorus	2024, 2022, 2020, 2018
												Turbidity	2024
RÍO DE LA PLATA	LAGO DE LA PLATA PREL ₁ 10A1	560 acres	SD	NS 44400 44950 44950C	4a	4a	5	5	B N	H	Collection System Failure Confined Animal Feeding Operations Landfill Onsite Wastewater Systems	Arsenic	2006
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												Lead	2020
												pH	2024, 2022, 2020, 2018, 2016
												Temperature	2024, 2022, 2020
												Total, Nitrogen	2024, 2022, 2020
												Total, Phosphorus	2024, 2022, 2020, 2018, 2016, 2006
												Turbidity	2024

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2024 Cycle 303(d) List – List of Lakes													
Note: The 2024 303(d) List is comprised of the impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (acres/miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	AL	DW					
RÍO DE LA PLATA	LAGO CARITE PREL ₂ 10A5	333 acres	SD	NS 39900 39950 39950C	4a	4a	5	5	B	H	Confined Animal Feeding Operations Onsite Wastewater Systems	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2006
												pH	2024, 2020
												Total, Phosphorus	2022, 2020, 2018
												Total, Nitrogen	2024, 2022
												Turbidity	2024
RÍO BAYAMÓN	LAGO CIDRA PREL12A2	268 acres	SD	NS 89029 89030 89031	4a	4a	5	5	F	H	Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Source Onsite Wastewater Systems	Copper	2020
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												Lead	2020
												Total, Nitrogen	2024, 2022, 2020
												Total, Phosphorus	2024, 2022, 2020, 2018
RÍO GRANDE DE LOIZA	LAGO LOIZA PREL14A1	713 acres	SD	NS 57500 58800 58800D	4a	4a	5	5	C	H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020, 2014, 2012
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008

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2024 Cycle 303(d) List – List of Lakes													
Note: The 2024 303(d) List is comprised of the impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (acres/miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	AL	DW					
												Lead	2012
												pH	2022, 2020
												Temperature	2024, 2020
												Total, Nitrogen	2024, 2022, 2020, 2018
												Total, Phosphorus	2024, 2022, 2020, 2018
												Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008
RÍO GRANDE DE PATILLAS	LAGO PATILLAS PRSL43A1	312 acres	SD	NS 89022 89023 89024	4a	4a	5	5	J	H	Agriculture Minor Industrial Point Source Onsite Wastewater Systems Unknown Sources	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												pH	2024, 2020
												Pesticides	2008
												Temperature	2024, 2022, 2020
												Total, Phosphorus	2024, 2022, 2020, 2018
QUEBRADA MELANÍA	LAGO MELANÍA PRSL50A	35 acres	SD	NS 89026	4a	4a	5	5	J	M	Agriculture Onsite Wastewater Systems Unknown Sources	Dissolved Oxygen	2024
												Enterococci	2020
												Mercury	2020
												Pesticides	2008
												pH	2024
												Temperature	2024, 2020

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2024 Cycle 303(d) List – List of Lakes													
Note: The 2024 303(d) List is comprised of the impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (acres/miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	AL	DW					
												Total, Nitrogen	2024, 2022, 2020
												Total, Phosphorus	2022, 2020, 2018
												Turbidity	2024
RÍO JACAGUAS	LAGO GUAYABAL PRSL ₁ 60A1	373 acres	SD	NS 89011 89012 89013	4a	4a	5	5	F	M	Agriculture Collection System Failure Minor Industrial Point Sources Onsite Wastewater Systems	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												Pesticides	2008
												pH	2024, 2020
												Total, Nitrogen	2024, 2020
												Total, Phosphorus	2024, 2022, 2020, 2018
												Turbidity	2024
RÍO JACAGUAS	LAGO TOA VACA PRSL ₂ 60A1	836 acres	SD	NS 89014 89015 89016	4a	4a	5	5	F	M	Agriculture Onsite Wastewater Systems	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008
												pH	2024, 2020, 2016
												Temperature	2024, 2022
												Total, Nitrogen	2024, 2022, 2020
												Total, Phosphorus	2022, 2020, 2018
												Turbidity	2024

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2024 Cycle 303(d) List – List of Lakes													
Note: The 2024 303(d) List is comprised of the impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (acres/miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	AL	DW					
RÍO BUCANÁ-CERRILLOS	LAGO CERRILLOS PRSL62A1	700 acres	SD	NS 89032 89033 89034	4a	4a	5	5	J	M	Unknown Sources Urban Runoff/Storm Sewers	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												pH	2022
												Temperature	2022
												Total, Nitrogen	2024, 2022, 2020
												Total, Phosphorus	2022, 2020, 2018
RIO YAUCO	LAGO LUCHETTI PRSL68A1	266 acres	SD	NS 89017 89018 89019	4a	4a	5	5	F	M	Agriculture Onsite Wastewater Systems	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												Pesticides	2008
												pH	2024, 2022, 2020, 2018
												Total, Nitrogen	2024, 2022, 2020
												Total, Phosphorus	2024, 2022, 2020, 2018
												Turbidity	2024, 2020
RÍO LOCO	LAGO LOCO PRSL69A	69 acres	SD	NS 89021C	4a	4a	5	5	F	M	Onsite Wastewater Systems	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008
												pH	2024, 2020

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2024 Cycle 303(d) List – List of Lakes													
Note: The 2024 303(d) List is comprised of the impairments included in assessments cycles 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 and 2006.													
Basin	Waterbody Name	Waterbody Size (acres/miles)	Class	2024 Monitoring Stations NS = Network	Designated Uses and Categories Summary				Notes	Priority	Potential Pollution Sources	Causes of Impairment	Impaired Cycles
					R 1	R 2	AL	DW					
												Total, Nitrogen	2024, 2022, 2020
												Total, Phosphorus	2024, 2020, 2018
RÍO GRANDE DE AÑASCO	LAGO GUAYO PRWL83H	285 acres	SD	NS 89004 89005 89006	4a	4a	5	5	K	H	Agriculture Confined Animal Feeding Operations Major Industrial Point Sources Minor Municipal Point Source Onsite Wastewater Systems	Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008, 2006
												Pesticides	2008
												pH	2024, 2022, 2020, 2018
												Total, Nitrogen	2024, 2022, 2020, 2018
												Total, Phosphorus	2024, 2020, 2018
												Turbidity	2024, 2022, 2020

Notes:

B - Watershed that has an approved TMDL for Río de la Plata, the TMDL was approved in September 2003, the pollutant was Fecal Coliforms.

C - Watershed that has an approved TMDL for Río Grande de Loíza, the TMDL was approved in September 2007, the pollutant was Fecal Coliforms.

F - Watersheds that have approved TMDL in September 2012, the pollutant was Fecal Coliforms.

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2024 cycle.

J - Watersheds that have approved TMDL in September 2011, the pollutant was Fecal Coliform.

K - Watersheds that have an approved TMDL in September 2010, the pollutant was Fecal Coliforms. The watersheds are Río Grande de Arecibo, Río Grande de Manatí, Río Grande de Añasco and Río Culebrinas.

N- Remains in 2024 303 (d) List due to old segmentation evaluation.

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL - Aquatic Life

DW - Raw Source for Drinking Water

Priority:

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H: High Priority: basins including in the Puerto Rico Unified Watershed Assessment and Restoration Activities (PRUWARA), as basins of priority due to the high pollution level related to all the designated uses.

M: Intermediate Priority: basins that were not included in the PRUWARA and have 50% or more of its waters as impaired for some designated use.

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COASTAL SHORELINE

Size of Waters Impaired by Causes Coastal Shoreline	
Causes of Impairment	Size of Waters Impaired (miles)
Arsenic	49.19
Copper	380.83
Dissolved Oxygen	92.65
Enterococci	390.97
Fecal Coliforms	7.79
Lead	152.17
Mercury	213.37
Nickel	170.90
Oil and Grease	82.42
pH	190.52
Temperature	280.75
Thallium	203.74
Turbidity	434.94
Zinc	43.80

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
PRNC01 Punta Borinquén to Punta Sardina	11.75	SB	NS MAC-044, SBZ-003, SBZ-004, SBZ-005	1	1	5		L	Onsite Wastewater Systems	Copper	2020
										Thallium	2020
PRNC02 Punta Sardina to Punta Manglillo	14.10	SB	NS MAC-047 MAC-086 SBZ-006	5	5	5		L	Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020, 2018
										Thallium	2020
										Lead	2020
										Enterococci	2024, 2022, 2020, 2018
										Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012
PRNC03 Punta Manglillo to Punta Morrillos	9.65	SB	NS SBZ-007 SEG3-01	5	5	5		L	Collection System Failure Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	Copper	2020
										Enterococci	2024, 2022, 2020, 2018
										Temperature	2020
										Turbidity	2024, 2020, 2018, 2016
PRNC04 Punta Morrillos to Punta Manatí	13.66	SB	NS MAC-049 MAC-055 SBZ-008	1	1	5		L	Collection System Failure Onsite Wastewater Systems Urban Runoff/Storm Sewers Upstream Impoundment	Copper	2020, 2018
										Enterococci	2020, 2018
										Mercury	2020
										Nickel	2020
										pH	2022, 2018
										Thallium	2020, 2018
										Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012
PRNC05	7.46	SB	NS SBZ-010	1	1	5		L	Unknown Source	Copper	2020, 2018
										Enterococci	2022, 2018

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
Punta Manatí to Punta Chivato			SEG5-01							Mercury	2020
										Thallium	2020
										pH	2022, 2020, 2018
										Turbidity	2022, 2018
										Temperature	2024
PRNC06 Punta Chivato to Punta Cerro Gordo	3.23	SB	NS MAC-087 RW23	1	1	5		L	Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Copper	2018
										Enterococci	2022, 2018
										Mercury	2020
										Temperature	2024, 2022, 2020
										Turbidity	2024, 2022, 2018
PRNC07 Punta Puerto Nuevo to Punta Cerro Gordo	5.05	SB	NS MAC-088 SEG7-01 RW-17	1	1	5		L	Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Copper	2020, 2018
										Mercury	2018
										pH	2022, 2020
										Temperature	2024, 2022, 2020
										Turbidity	2020, 2018
PRNC08 Punta Cerro Gordo to Punta Boca Juana	7.32	SB	NS SBZ-013 SBZ-014 RW-18	5	5	5		L	Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Arsenic	2020
										Enterococci	2024, 2022, 2020, 2018
										Lead	2020
										Copper	2020, 2018
										Nickel	2020
										Zinc	2020
										Turbidity	2024, 2022, 2020, 2018, 2016
PREC09 Punta Boca Juana to Punta Salinas	5.78	SB	NS MAC-077 SEG9-01 RW-19	1	1	5		L	Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Arsenic	2020q
										Copper	2020, 2018
										Enterococci	2022, 2020
										Lead	2020
										Nickel	2020, 2018
										pH	2022

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
										Turbidity	2024, 2022, 2020, 2018, 2016
PREC10B Punta Salinas to Rio Bayamón Mouth	2.91	SB	NS MAC-063	5	5	5		L	Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020, 2018
										Enterococci	2024, 2022, 2020, 2016, 2014
										Lead	2020, 2018
										Mercury	2020, 2018
										Nickel	2020, 2018
										Turbidity	2024, 2022, 2020, 2018, 2016, 2014
PREC10C Rio Bayamón Mouth to Isla de Cabras	6.63	SB	NS SEG10C-01 SEG10C-02	5	5	5		L	Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020, 2018
										Enterococci	2024, 2020, 2018
										Lead	2020, 2018
										Mercury	2020, 2018
										Nickel	2020, 2018
										Zinc	2020
										Thallium	2020
										pH	2022, 2018
										Temperature	2024, 2020
										Turbidity	2024, 2022, 2020, 2018, 2016
PREC11 Isla de Cabras to Punta Del Morro	7.79	SB		5	5	5	H	L	Major Industrial Point Sources Major Municipal Point Sources Minor Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater Systems	Arsenic	2010
										Copper	2010
										Dissolved Oxygen	2010
										Fecal Coliforms	2010
PREC12	3.5	SB	NS	1	1	5		L	Unknown Sources	Enterococci	2022

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
Punta del Morro to West side of Condado Bridge			SBZ-018, SBZ-019, RW-20B, RW-20A, RW-25A, ED- CariCoos Buoy							Turbidity	2022
										pH	2022
										Temperature	2024
PREC13 East side of Condado Bridge to Punta Las Marías	4.31	SB	NS B-1 B-2 RW-26 RW-27	5	5	5		L	Urban Runoff/Storm Sewers	Copper	2020
										Enterococci	2024, 2022, 2020, 2018
										Lead	2020
										Mercury	2020
										Thallium	2020
										Temperature	2024, 2022, 2020
										Turbidity	2022
PREC14 Punta Las Marías to Punta Cangrejos	4.19	SB	NS EB-40, B-3, SEG14-01 SEG14-02, RW-21C	1	1	5		L	Marinas and Recreational Boating Urban Runoff/Storm Sewers	Arsenic	2020
										Lead	2020
										Copper	2020
										Thallium	2020
										Temperature	2024, 2022, 2020
										Turbidity	2024, 2022, 2020, 2018, 2016, 2014
PREC15 Punta Cangrejos to Punta Vacía Talega	6.23	SB	NS SBZ-024 SBZ-026	5	5	5		L	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Arsenic	2020
										Copper	2020
										Enterococci	2024, 2022, 2020, 2018
										Mercury	2020
										Nickel	2020
										Temperature	2022, 2020
										Thallium	2020
										Turbidity	2022, 2020, 2018, 2016

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
PREC16 Punta Vacía Talega to Punta Miquillo	9.46	SB	NS SBZ-027 SBZ-028	5	5	5		L	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Arsenic	2020
										Mercury	2020
										Copper	2020
										Lead	2020
										Nickel	2020
										Thallium	2020
										Zinc	2020
										Enterococci	2024, 2022, 2020, 2018
										Temperature	2020
										Turbidity	2024, 2022, 2020, 2018, 2016
PREC17 Punta Miquillo to Punta La Bandera	8.41	SB	NS MAC-009, SEG17-01 RW-1A	1	1	5		L	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020
										Mercury	2020
										Temperature	2022, 2020
										Turbidity	2024, 2022, 2018, 2016
PREC18 Punta La Bandera to Cabezas de San Juan	10.46	SB	NS MAC-010 SBZ-030 RW-2	1	1	5		L	Unknown Source	Copper	2020
										Thallium	2020
										pH	2020, 2018
										Temperature	2024, 2022, 2020
PREC19 Cabezas de San Juan to Punta Barrancas	7.08	SB	NS MAC-078	5	5	5		L	Marinas and Recreational Boating Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012
										Copper	2020, 2018
										Enterococci	2024, 2022, 2020, 2018, 2016
										Oil & Grease	2014
										Temperature	2024, 2022, 2020
										Turbidity	2022, 2020, 2018, 2016, 2014

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
PREC20 Punta Barrancas to Punta Medio Mundo	5.33	SB	NS SEG20-01 SEG20-02	1	1	5		L	Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020
										Thallium	2020
										Dissolved Oxygen	2022, 2018, 2016
										Enterococci	2020, 2018
										Temperature	2024, 2022, 2020
										Turbidity	2022, 2020, 2018, 2016
PREC23 Isla Cabras to Punta Cascajo	8.33	SB	NS SEG23-01	1	1	5		L	Major Industrial Point Sources Marinas and Recreational Boating	Copper	2020
										Turbidity	2020, 2016
PREC24 Punta Cascajo to Punta Lima	9.07	SB	NS SEG24-02	5	5	5		L	Major Industrial Point Sources Upstream Impoundment	Copper	2020
										Dissolved Oxygen	2018, 2016
										Enterococci	2020, 2018
										Temperature	2024, 2022, 2020
										Turbidity	2022, 2020, 2018, 2016
PREC25 Punta Lima to Morro de Humacao	9.83	SB	NS MAC-080 MAC-081 SEG25-01 RW-4, RW-31	5	5	5		L	Major Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020, 2018
										Mercury	2020
										Temperature	2024, 2022, 2020
										Enterococci	2024, 2022, 2020, 2018
										Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012
PREC26 Morro de Humacao to Punta Candelero	1.84	SB	NS SEG26-01	1	1	5		L	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020
										Enterococci	2020, 2018
										Temperature	2024, 2022, 2020
										Turbidity	2022, 2020, 2018, 2016
PREC27	3.74	SB	NS	5	5	5		L		Arsenic	2020

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
Punta Candelero to Punta Guayanés			SEG27-01						Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper Thallium Enterococci Turbidity	2020 2020 2024, 2022, 2020, 2018, 2008 2024, 2022, 2020, 2018, 2016
PREC28B Punta Quebrada Honda to Punta Yeguas	0.74	SB	NS SBZ-038	5	5	5		L	Onsite Wastewater Systems Unknown Source	Copper Thallium Enterococci Turbidity	2020, 2018 2020 2020, 2018 2022, 2020, 2016
PREC28C Punta Guayanés to Punta Quebrada Honda	4.68	SB	NS MAC-012 SBZ-037	5	5	5		L	Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Arsenic Mercury Copper Thallium Enterococci Oil & Grease Temperature Turbidity	2020 2020 2020, 2018 2020 2020, 2018 2014 2020 2022, 2020, 2018, 2016, 2014, 2012
PREC29 Punta Yeguas to Punta Tuna	4.35	SB	NS SEG29-02 SEG29-01	1	1	5		L	Onsite Wastewater Systems Unknown Source Urban Runoff/Storm Sewers	Copper Lead Thallium Enterococci pH Temperature Turbidity	2020, 2018 2018 2020 2020 2020, 2018 2024 2024, 2022, 2020, 2018, 2016
PREC30 Punta Tuna to Cabo Mala Pascua	2.65	SB	NS MAC-082	5	5	5		L	Unknown Source	Copper Enterococci	2020, 2018 2024, 2022, 2020, 2018, 2016

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
										Turbidity	2022, 2020, 2018, 2016, 2014, 2012
PRSC31 Cabo Mala Pascua to Punta Viento	4.06	SB	NS SEG31-01	5	5	5		L	Onsite Wastewater Systems Urban Runoff/Storm Sewers Upstream Impoundment	Copper	2018
										Thallium	2020
										Enterococci	2024, 2022
										Turbidity	2022, 2020
										Temperature	2024, 2020
PRSC32 Punta Viento to Punta Figuras	6.16	SB	NS MAC-083 SBZ-040 RW-6 RW-7	5	5	1		L	Onsite Wastewater Systems Urban Runoff/Storm Sewers Upstream Impoundment	Copper	2020, 2018
										Mercury	2020
										Thallium	2020
										Dissolved Oxygen	2018, 2016
										Enterococci	2024, 2022, 2020, 2018, 2014, 2010
										Temperature	2022, 2020
										Turbidity	2022, 2020, 2018, 2016, 2014
PRSC33 Punta Figuras to Punta Ola Grande	8.10	SB	NS MAC-017 SEG33-01	5	5	5		L	Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020, 2018
										Lead	2020
										Mercury	2020
										Enterococci	2024, 2022, 2020
										Temperature	2020
										Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2008
PRSC34 Punta Ola Grande to Punta Petrona	40.9	SB	NS MAC-019 SEG34-01 SEG34-02 ED-Stations 09, 10, 19 and 20 from Natural	5	5	5	M	L	Agriculture Major Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storms sewers Upstream Impoundment	Copper	2020, 2018
										Lead	2020
										Mercury	2020
										Nickel	2020
										Dissolved Oxygen	2024, 2022, 2018, 2016, 2014, 2012, 2010

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
			Reserve of Jobos Bay							Enterococci	2024, 2022, 2018, 2012, 2010
										Oil & Grease	2014
										pH	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010
										Temperature	2024, 2022, 2020, 2016, 2014
										Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010
PRSC35 Punta Petrona to Punta Cabullones	16.19	SB	NS MAC-020 SEG35-01 SEG35-02 ED-CariCoos Buoy	5	5	5	M	L	Major Municipal Point Sources Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	Copper	2020, 2018
										Lead	2020
										Nickel	2020
										Thallium	2020
										Zinc	2020
										Enterococci	2024, 2022, 2020, 2018, 2016
										Mercury	2020, 2018
PRSC36B Punta Cabullones to Punta Carenero	2.53	SB	NS SEG36B-01	5	5	5		L	Major Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2024, 2022, 2020, 2018, 2016, 2014
										pH	2024, 2022, 2020
										Temperature	2024, 2022, 2020
										Enterococci	2022
										Copper	2018
										Mercury	2018
PRSC36C	6.70	SB	NS MAC-022	5	5	5		L	Major Municipal Point Sources	Turbidity	2024, 2022, 2020
										Copper	2020, 2018

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
Punta Carenero to Punta Cuchara			MAC-023						Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Enterococci	2024, 2022, 2020, 2018, 2014
										Mercury	2018
										Oil & Grease	2014
PRSC37B Punta Cuchara to Cayo Parguera	3.30	SB	NS MAC-084	5	5	5		L	Surface Mining Urban Runoff/Storm Sewers Upstream Impoundment Unknown Source	Turbidity	2024, 2022, 2020, 2018, 2016, 2014
										Enterococci	2024, 2020, 2018
										pH	2020
										Copper	2020, 2018
										Nickel	2020
										Mercury	2020, 2018
PRSC37C Cayo Parguera to Punta Guayanilla	4.20	SB	NS MAC-24 MAC-25	1	1	5		L	Major Municipal Point Sources Major Industrial Point Sources Surface Mining Onsite Wastewater Systems Upstream Impoundment Marinas and Recreational Boating Urban Runoff/Storm Sewers	Turbidity	2020, 2018, 2016, 2014
										Copper	2020, 2018
										Mercury	2020
										Lead	2018
										Nickel	2018
										Thallium	2020
										Oil & Grease	2014
										Zinc	2018
PRSC38 Punta Guayanilla to Punta Verraco	13.20	SB	NS MAC-027 MAC-028 MAC-089	5	5	5		L	Major Municipal Point Sources Marinas and Recreational Boating Onsite Wastewater Systems Upstream Impoundment	Copper	2020, 2018
										Mercury	2020
										Thallium	2020
										Oil & Grease	2014
										Enterococci	2024, 2022, 2020, 2018
										Turbidity	2024, 2022, 2020

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
									Urban Runoff/Storm Sewers	Temperature	2024, 2022, 2020, 2018, 2016, 2014
PRSC39 Punta Verraco to Punta Ballena	6.41	SB	NS MAC-030, Seg39-01, G1	1	1	5		L	Unknown Source	Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012
										Copper	2020
										Thallium	2020
PRSC40 Punta Ballena to Punta Brea	13.26	SB	NS MAC-034 MAC-085 RW-9	5	5	5		L	Marinas and Recreational Boating Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2022, 2020, 2012
										Copper	2020
										Nickel	2020, 2018
										pH	2020, 2018, 2016, 2012
										Enterococci	2022, 2020
										Temperature	2022, 2020, 2018, 2012
PRSC41B1 Punta Brea to Bahía Fosforescente La Parguera	10.93	SB	NS SBZ-045 SEG41B1-01 RW-10	5	5	5		L	Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2022, 2020, 2018, 2016, 2014, 2012
										Copper	2020
										Thallium	2020
										Enterococci	2022
										Temperature	2022, 2020
										pH	2020
PRSC41B2 Bahía Fosforescente La Parguera to Punta Cueva de Ayala	7.00	SB	NS SBZ-046 Seg41B2-01, RW-33	5	5	5		L	Landfill Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020, 2018
										Thallium	2020
										Dissolved Oxygen	2022, 2020, 2016
										Enterococci	2022, 2020
										pH	2020, 2018
										Temperature	2022, 2020
										Turbidity	2024, 2022, 2018, 2016

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
PRSC41B3 Bahía Monsio José to Faro de Cabo Rojo	13.45	SB	NS SEG41B3-01 SEG41B3-02	5	5	5		L	Unknown Source	Turbidity	2024, 2022, 2020, 2018, 2016
										Mercury	2020
										Thallium	2020
										Nickel	2020
										Dissolved Oxygen	2020, 2016
										Enterococci	2024, 2022, 2020, 2018
										Temperature	2024, 2022, 2020
PRWC42 Faro de Cabo Rojo to Punta Águila	2.89	SB	NS SEG42-01	5	5	5		L	Unknown Source	Turbidity	2022, 2020, 2018, 2016
										Enterococci	2022
										Dissolved Oxygen	2024, 2022, 2020, 2018, 2016
										pH	2022, 2020, 2018
										Temperature	2024, 2022, 2020, 2018
PRWC43 Punta Águila to Punta Guaniquilla	9.54	SB	NS MAC-037, SBZ-047 SBZ-048 RW-12A, RW-12B, RW-13, RW-14A	5	5	5		L	Collection System Failure Marinas and Recreational Boating Minor Municipal Point Sources Onsite Wastewater Systems	Enterococci	2022, 2020
										Turbidity	2024, 2022, 2020, 2018, 2016
										Temperature	2024, 2022, 2020
PRWC44 Punta Guaniquilla to Punta La Mela	2.50	SB	NS SBZ-050 SBZ-051, RW-8	5	5	5		L	Onsite Wastewater Systems	Enterococci	2022, 2020
										Turbidity	2020, 2018, 2016
										Temperature	2024, 2022
										pH	2020
										Thallium	2020

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
PRWC45 Punta La Mela to Punta Carenero	2.95	SB	NS SEG45-01	5	5	5		L	Collection System Failure Marinas and Recreational Boating Onsite Wastewater Systems	Turbidity	2024, 2022, 2020, 2018, 2016
										Copper	2020, 2018
										Thallium	2020
										Lead	2020
										Enterococci	2020, 2018, 2016
PRWC46 Punta Carenero to front of Cayo Ratones	4.00	SB	NS SBZ-052	1	1	5		L	Collection System Failure Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2020, 2018, 2016
										Copper	2020
										Lead	2020
										Thallium	2020
										Temperature	2024, 2020
PRWC47 In front of Cayo Ratones to Punta Guanajibo	3.85	SB	NS SEG47-01	1	1	5		L	Onsite Wastewater Systems	Turbidity	2020, 2018
										Nickel	2020
										Copper	2020
										Temperature	2024
PRWC48 Punta Guanajibo to Punta Algarrobo	5.60	SB	NS MAC-038 MAC-040	5	5	5		L	Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	pH	2018
										Turbidity	2022, 2020
										Oil and Grease	2022
										Copper	2020, 2018
										Lead	2020
										Mercury	2020
										Thallium	2020
										Enterococci	2024, 2022, 2020, 2018, 2016, 2014, 2010
										Nickel	2020, 2018
PRWC49	6.98	SB	NS	5	5	5		L		Temperature	2024
										Copper	2020, 2018

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2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
Punta Algarrobo to Punta Cadena			MAC-041 SEG49-01 RW-15						Major Municipal Point Sources	Enterococci	2022, 2020, 2018
									Upstream Impoundment	Nickel	2020
									Urban Runoff/Storm Sewers	pH	2024, 2022, 2018, 2012
									Onsite Wastewater Systems	Temperature	2024, 2022, 2020
										Turbidity	2022, 2020, 2018, 2016, 2014
PRWC50 Punta Cadena to Punta Higüero	4.98	SB	NS SBZ-054 SBZ-055 RW-5	5	5	5		L	Onsite Wastewater Systems	Copper	2020, 2018
									Unknown Sources	Nickel	2020, 2018
									Upstream Impoundment	Enterococci	2024, 2022, 2018
										pH	2022
										Turbidity	2022, 2020, 2018, 2016
										Lead	2018
										Mercury	2020
										Temperature	2024
PRWC51 Punta Higüero to Punta del Boquerón	6.14	SB	NS SEG51-01 SEG51-02 RW-22	5	5	5		L	Onsite Wastewater Systems	Copper	2020, 2018
									Unknown Source	Lead	2020
										Mercury	2020
										Nickel	2020, 2018
										Enterococci	2024, 2022, 2020, 2018
										Turbidity	2020, 2018, 2016
PRWC52 Punta del Boquerón to Punta Borinquén	6.80	SB	NS MAC-043 SBZ-002, SBZ-003, SBZ-004 RW-16, RW-16A	1	1	5		L	Major Municipal Point Sources	Turbidity	2024, 2022, 2020, 2016, 2018
									Onsite Wastewater Systems	Copper	2020
Urban Runoff/Storm Sewers											
PRCC53	32.70	SB	NS	1	1	5		L		Turbidity	2020, 2010

Puerto Rico 2024 305(b) and 303(d) Integrated Report

2024 Cycle 303(d) List – List of Coastal Shoreline											
Note: The 2024 303(d) List is comprised of the causes of impairments included in assessment cycles 2024, 2023, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008.											
Assessment Unit ID (AU)	Size of AU (miles)	Class	2024 Monitoring Stations NS = Network ED = External Data	Designated Uses and Categories Summary			Notes	Priority	Potential Pollution Sources	Causes of Impairment	Years Impaired
				R1	R2	AL					
Culebra Island			RW-3						Onsite Wastewater Systems Marinas and Recreational Boating Debris and Bottom Deposits Hazardous Waste	pH	2018

Notes:

H - If the Monitoring Station column is left blank, the Assessment Unit was not monitored for 2022 cycle.

M - External Data

R1 - Primary Contact Recreation

R2 - Secondary Contact Recreation

AL – Aquatic Life

Priority:

L: Low Priority: basins that were not included in the Puerto Rico Unified Watershed Assessment and Restoration Activities (PRUWARA) and have less than 50% of its waters as impaired for some designated use.

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APPENDIX II - 2024 Integrated Reporting (IR) Memo Comments

Puerto Rico 2024 305(b) and 303(d) Integrated Report

2024 INTEGRATED REPORTING (IR) MEMO - COMMENTS ON INFORMATION CONCERNING 2024 CLEAN WATER ACT SECTIONS 303(d), 305(b), AND 314 INTEGRATED REPORTING AND LISTING DECISIONS

The Puerto Rico Department of Natural and Environmental Resources (PRDNER) works continuously and consistently, both on the topics included in this Memorandum, and in compliance with the Clean Water Act (CWA), Sections 303(d), 305(b) and other laws and regulations.

Below is a brief explanation on how the different topics have been addressed on the Island.

1. 2022-2032 Section 303(d) Vision

Consistent with the new EPA's vision, PRDNER identifies those assessment units (AU) for priority restoration and protection activities since the 2018 305(b)/303(d) Integrated Report to present. Long-term Prioritization from 2016 to 2022 provides a framework to focus the location and timing for the development of, alternative restoration, protection plans and total maximum daily load (TMDL). Many alternatives approaches were implemented to achieve the overall water quality goals:

- PRDNER obtained other data and information, of water quality monitoring sampling from different government agencies and non-government entities, as part of the effort to increase the information regarding the percentage of monitored waters in PR.
- PRDNER have taken all appropriate enforcement actions against owners of sites where activities are being performed in violation of the Regulation for the Control of Erosion and Prevention of Sedimentation, the *Reglamento para el Control de los Desperdicios Fecales de Animales de Empresas Pecuarias* and the Underground Injection Control Regulation among others.
- To continue with the compliance and implementation of the applicable regulations, permits evaluation and inspections; compliances inspections, notification of violations and enforcement actions were carried out.
- As part of the water quality information requested from different government agencies, the DRNER is working in the development of a series of workshops to train personnel on land use activities that could impact water bodies.

Continuing the activities and control measures will demonstrate progress over time in achieving protection and restoration of PR watersheds.

2. Clarification Regarding Priority Rankings and total maximum daily load (TMDL) Submission Schedules

To comply with the requirements established in CWA Section 305(b), the Department performs the required assessment in terms of the current water

Puerto Rico 2024 305(b) and 303(d) Integrated Report

quality in the different water resources throughout Puerto Rico (PR). For water bodies that do not meet the applicable standard for a designated use, the Act requires that the state develop control measures for pollutants. These water bodies will be included in 303(d) List. Each impairment reflected on the 303(d) List requires a calculation of the maximum amount of the impairing pollutant that a water body can receive and still meet water quality standards. This calculation is called the TMDL. TMDL's include reduction of pollution sources impacting the water body which, when achieved, will result in the attainment of the water quality standard in the impaired water body. PRDNER is working with the implementation of the development of TMDL in the impaired basins.

3. Participatory Science

To comply with the *Participatory Science* topics, since May 2016 was approved the **Quality Assurance Project Plan (QAPP) For the Use of Water Quality Existing Data for The Development of the 303(d)/305(b) Integrated Report**. The development of the IR requires the assessment of existing and readily available water quality-related data and information. In addition, PR is required to evaluate and consider any other readily available information. The assessment determination must include all relevant data that is consistent with the QA/QC requirements established in the QAPP for the use of Water Quality Existing Data for the Development of the 303(d)/305(b) IR (revised in March 2021). For the development of the IR in addition to the water quality data obtained by the routine monitoring network, secondary or external data requested from governmental agencies, non-governmental entities and/or reliable sources of the web should be considered.

Existing data will be gathered and used to address the following objectives related to the assessment of the quality of the water bodies:

- **Objective 1:** Determine compliance with the water quality criteria and attainment with the designated uses.
- **Objective 2:** Develop the 303(d) list and the AUs to be delisted.
- **Objective 3:** Develop and publish the 303(d)/305(b) IR.

4. Environmental Justice and Climate Change

PRDNER addresses both *Climate Change and Environmental Justice* in the 2021 revision of the Puerto Rico Nonpoint Sources Management Program and in others Department workplans. Also, since climate change is impacting attainment of multiple water quality uses, including drinking water, recreation, traditional/cultural, navigation, and aquatic life, and attainment of criteria for pollutant, such as temperature, nutrients and sediment is also necessary maintain the existing regulations updated.

Puerto Rico 2024 305(b) and 303(d) Integrated Report

5. CWA Section 303(d) Assessment/Listing for Nutrient-related Impairments

In 1994, the USEPA established the National Nutrient Criteria Program. The goal of this program is to reduce eutrophication by developing guidelines for the establishment of numeric nutrient criteria at a state (tribal) level. The criteria, which represent conditions of water minimally impacted by human activities, will enable regulatory agencies to identify, prioritize and restore nutrient impaired waters. The development of the Puerto Rico Nutrient Standard Plan (PRNSP) describes the approach to addressing nutrient over-enrichment, along with the plan to refine its current nutrient criteria in response to the USEPA requirements that states/territories adopt nutrient criteria for their waterbodies.

Since 2016 Puerto Rico Water Quality Standard Regulation (PRWQSR), has incorporated the new standards for Total Phosphorus (TP) and Total Nitrogen (TN) applicable to the rivers and streams of PR.

The amendment to the Regulation propitiates the moment to develop specific TMDLs for TP, in the assessment that even with the previous standard were exceeding the standard of the parameter of TP. Also, the Regulation amended, leads properly identify the assessment units that are (in the top) in the first place in the priority list to develop TMDLs for TP.

The outcome will be gathering data to identify those AU that accomplished the parameters and therefore support the delist candidate assessment unit from the list 303 (d).

6. CWA Section 303(d) Assessment/Listing for Trash-Related Impairments

PRWQSR provides the narrative criteria to address the concerns of Trash-Related Impairments:

- **Regla 1303.1A Solids and other matter:** *“The water of PR should not contain floating debris, scum or other floating materials attributable to discharges in amounts sufficient to be unsightly or deleterious to the existing or designated uses of the water body.”*
- **Regla 1303.1E Suspended, Colloidal or Settleable Solids:** *“Solids from wastewater sources shall not cause deposition in or be deleterious to the existing or designated uses of the water body.”*
- **Regla 1304.3 Requirement for Granting Relief:** No relief from complying with the applicable provisions of Rule 1303 of this Regulation shall be granted, unless the following requirements are met:

A. The intermittent stream shall not contain substances or materials, including floating debris, oil, scum, and other matter attributable to point sources, in amounts or concentrations that:

Puerto Rico 2024 305(b) and 303(d) Integrated Report

1. Form objectionable deposits;
2. Create nuisances;
3. Produce objectionable color, taste, or odor;
4. Produce undesirable aquatic life or result in a dominance of nuisance species;
5. Cause injuries to be hazardous to, or produce adverse physiological responses in humans, animals or plants;
6. Interfere with or impair existing uses downstream of the water body.

APPENDIX III - Public Notice



GOVERNMENT OF PUERTO RICO
Department of Natural and Environmental
Resources

PUBLIC NOTICE

303(D) LIST WATER BODIES THAT EXCEED PUERTO RICO'S WATER QUALITY STANDARDS

Section 303(d) of the Clean Water Act (CWA) of 1972, as amended, requires that the jurisdictions develop and submit a list of water bodies that do not meet the applicable water quality standards for designated uses every two years to EPA. The designated uses for waters of Puerto Rico are: primary contact (swimming), secondary contact (fishing and boating), propagation and preservation of desirable species, including threatened and endangered species (aquatic life) and raw source for drinking water. For water bodies that do not meet the applicable standard for a designated use, the Act requires that the state develop control measures for pollutants. Control measures should address the problem that caused the non-compliance of the standard for the designated use. Each impairment reflected on the 303(d) List requires a calculation of the maximum amount of the impairing pollutant that a water body can receive and still meet water quality standards. This calculation is called the TMDL. TMDLs include reduction for pollution sources impacting the water body which, when achieved, will result in the attainment of the water quality standard in the impaired water body.

The Puerto Rico Department of Natural and Environmental Resources (PRDNER) has developed the 303(d) draft List, for the 2024 cycle and invites governmental agencies, non-governmental agencies, and the general public to submit their comments and recommendations.

The List of Impacted Water Bodies draft for the 2024 cycle and the Assessment Methodology will be available to the public for examination, at the request of the interested party by sending an email to the following address: waterquality@drna.pr.gov. Interested or affected parties may submit their comments in writing to Mrs. Wanda E. García Hernández, Environmental Programmatic Executive of the Water Quality Area, at the electronic address no later than thirty (30) days from the publication of this notice. The deadline for submitting comments may be extended if deemed necessary or appropriate in the public interest.

All interested or affected parties may request a public hearing. Said request must be submitted in writing to the Secretary of the DRNA through the Secretary's Office at the following email address: ayudaciudadano@drna.pr.gov, no later than thirty (30) days from the date of publication of this notice and the reason or reasons that in the opinion of the applicant merit the holding of the public hearing must be indicated.

In San Juan, Puerto Rico, April 1, 2024.

Authorized by the Office of the Election Comptroller: OCE-SA-2024-05879.

Anaís Rodríguez Vega
Secretaria



This announcement was published as required by the Law on Environmental Public Policy, Law No. 416 of September 22, 2004, as amended. The cost of the Public Notice is defrayed by the DRNA.

Carr. 8838 Km 6.3 Sector El Cinco, Río Piedras, PR. 00926
San José Industrial Park, 1375 Ave Ponce de León, San Juan, PR 00926
787.999.2200 • 787.999.2303 • www.drna.pr.gov



GOBIERNO DE PUERTO RICO
Departamento de Recursos Naturales
y Ambientales

AVISO PÚBLICO

LISTA 303(D) DE CUERPOS DE AGUA QUE EXCEDEN LOS ESTÁNDARES DE CALIDAD DE AGUA DE PUERTO RICO

La Sección 303(d) de la Ley Federal de Agua Limpia (CWA, por sus siglas en inglés) de 1972, según enmendada, requiere que las jurisdicciones desarrollen y sometan cada dos años a la Agencia Federal de Protección Ambiental (EPA, por sus siglas en inglés) una lista de los cuerpos de agua que no cumplieron con los estándares de calidad de agua aplicables para los usos designados. Los usos designados para las aguas de Puerto Rico son: contacto primario (natación), contacto secundario (pesca y paseo en botes), propagación y preservación de especies deseables incluyendo especies amenazadas y en peligro (vida acuática) y abasto crudo de agua potable. Para los cuerpos de agua que no cumplen con la norma aplicable a algún uso designado, la Ley requiere que se implanten medidas de control para los contaminantes. Las medidas de control deben ser aquellas que atiendan el problema causado por el incumplimiento al estándar aplicable al uso designado. Cada incumplimiento reflejado en la Lista 303(d) requiere el cálculo de la cantidad máxima del contaminante en incumplimiento que un cuerpo de agua puede recibir y aún así cumplir con los estándares de calidad de agua. Este cálculo se conoce como TMDL (por sus siglas en inglés). Los TMDLs incluyen reducciones para las fuentes de contaminación que están impactando al cuerpo de agua, las cuales cuando son alcanzadas, resultarán en el cumplimiento de los estándares de calidad de agua del cuerpo de agua impactado.

El Departamento de Recursos Naturales y Ambientales de Puerto Rico (DRNA) ha desarrollado el borrador de la Lista 303(d) para el ciclo 2024 e invita a las agencias gubernamentales, entidades no-gubernamentales y público en general a someter sus comentarios y recomendaciones.

El borrador de la Lista de Cuerpos de Agua Impactados para el ciclo 2024 y la Metodología de Evaluación estarán a la disposición del público para ser examinados, a petición del interesado mediante el envío de un correo electrónico a la siguiente dirección: waterquality@drna.pr.gov. Las partes interesadas o afectadas pueden someter sus comentarios por escrito a la Sra. Wanda E. García Hernández, Ejecutivo Programático Ambiental del Área de Calidad de Agua, a la dirección electrónica antes mencionada no más de treinta (30) días a partir de la publicación de este aviso. La fecha límite para someter comentarios puede extenderse si se estima necesario o apropiado para el interés público.

Todas las partes interesadas o afectadas podrán solicitar una vista pública. Dicha solicitud debe someterse por escrito al secretario del DRNA a través de la Oficina de Secretaría a la siguiente dirección electrónica: ayudaciudadano@drna.pr.gov, no más tarde de treinta (30) días a partir de la fecha de publicación de este aviso y deberá señalarse la razón o las razones que en la opinión del solicitante ameritan la celebración de la vista pública.

En San Juan, Puerto Rico, hoy 1 de abril de 2024.

Autorizado por la Oficina del Contralor Electoral: OCE-SA-2024-05879.

Anaís Rodríguez Vega
Secretaria



Este anuncio se publicó conforme a lo requerido por la Ley sobre Política Pública Ambiental, Ley Núm. 416 del 22 de septiembre de 2004, según enmendada. El costo del Aviso Público es sufragado por el DRNA.

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**APPENDIX IV - Department of Natural and Environmental
Resources Determination**

Puerto Rico 2024 305(b) and 303(d) Integrated Report



GOBIERNO DE PUERTO RICO
DEPARTAMENTO DE RECURSOS NATURALES Y AMBIENTALES

IN RE:	RES. NÚM.: <u>2024-06-002</u>
PROMULGACIÓN DE LA LISTA DE CUERPOS DE AGUA IMPACTADOS PARA PUERTO RICO PARA EL CICLO 2024	SOBRE LISTA 303(d) DE PUERTO RICO
ÁREA DE CALIDAD DE AGUA	REF: DIVISIÓN PLANES Y PROYECTOS ESPECIALES

RESOLUCIÓN Y NOTIFICACIÓN

Se presentó ante la consideración de la Secretaria del Departamento de Recursos Naturales y Ambientales el 13 de junio de 2024, el memorando del Ing. Ángel R. Meléndez Aguilar, Gerente Interino del Área de Calidad de Agua, relacionado a la Lista de Cuerpos de Agua Impactados de Puerto Rico propuesta para el ciclo 2024, Lista 303(d), según la Ley Federal de Agua Limpia, 33 U.S.C., secc. 1313(d). La misma fue sometida a comentario público el 6 de mayo de 2024. Las partes interesadas o afectadas podían someter sus comentarios por escrito, no más tarde de treinta (30) a partir de la publicación de los avisos. Pasado el período de comentarios establecido no se recibieron comentarios. Anteriormente, la Agencia de Protección Ambiental (EPA, por sus siglas en inglés) había presentado sus comentarios a la Lista propuesta, los cuales fueron acogidos e incorporados.

I. RESOLUCIÓN

Luego de evaluar la totalidad del expediente administrativo sobre la Lista de Cuerpos de Agua Impactados de Puerto Rico para el ciclo 2024, Lista 303(d), en virtud de los poderes y facultades que concede la Ley 416-2004, según enmendada, conocida como la Ley de Política Pública Ambiental, y los reglamentos promulgados a su amparo se RESUELVE:

- A: Se ACOGEN las recomendaciones del Área de Calidad de Agua, cuya copia se hace formar parte de la presente resolución.
- B: Se APRUEBA la Lista de Cuerpos de Agua Impactados de Puerto Rico para el ciclo 2024, Lista 303(d).
- C: Se ordena a la División de Planes y Proyectos Especiales del Área de Calidad de Agua proceder a tramitar la Lista 303(d), ante la EPA.

II. APERCIBIMIENTO

La parte adversamente afectada por una resolución u orden parcial o final podrá, dentro del término veinte (20) días desde la fecha de archivo en autos de la

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Puerto Rico 2024 305(b) and 303(d) Integrated Report

LISTA DE CUERPOS DE AGUA IMPACTADOS PARA PUERTO RICO
CICLO 2024
Página 2

notificación de la resolución u orden, presentar una moción de reconsideración de la resolución u orden.

La agencia dentro de los quince (15) días de haberse presentado dicha moción deberá considerarla. Si la rechazare de plano o no actuare dentro de los quince (15) días, el término para solicitar revisión comenzará a correr nuevamente desde que se notifique dicha denegatoria o desde que expiren dichos quince (15) días, según sea el caso. Si se tomare alguna determinación en su consideración, el término de solicitar revisión empezará a contarse desde la fecha en que se archive en autos una copia de la notificación de la resolución de la agencia resolviendo definitivamente la moción de reconsideración. Tal resolución deberá ser emitida y archivada en autos dentro de los noventa (90) días siguientes a la radicación de la moción de reconsideración.

Si la agencia acoge la moción de reconsideración pero deja de tomar alguna acción con relación a la moción dentro de los noventa (90) días de ésta haber sido radicada, perderá jurisdicción sobre la misma y el término para solicitar la revisión judicial empezará a partir de la expiración de dicho término de noventa (90) días, salvo que la agencia, y por justa causa y dentro de esos noventa (90) días, prorrogue el término para resolver por un periodo que no excederá de treinta (30) días adicionales.

Si la fecha de archivo en autos de copia de la notificación de la orden o resolución es distinta a la del depósito en el correo de dicha notificación, el término se calculará a partir de la fecha del depósito del correo.

Una parte adversamente afectada por una orden o resolución final de una agencia y que haya agotado todos los remedios provistos por la agencia o por el organismo administrativo apelativo correspondiente podrá presentar una solicitud de revisión ante el Tribunal de Apelaciones, dentro del término de treinta (30) días contados a partir de la fecha del archivo en autos de la copia de la notificación o resolución final de la agencia a partir de la fecha aplicable de las dispuestas en la Sección 3.15 de esta Ley Núm. 38, de junio de 2017, según enmendada, y anteriormente expresada, cuando el término para solicitar la revisión judicial haya sido interrumpido mediante la presentación oportuna de una moción de reconsideración.

NOTIFIQUESE Y ARCHIVESE

En San Juan, Puerto Rico, a 17 de junio de 2024.


Anaís Rodríguez Vega
Secretaria

Appendix 6: USFWS “No Effect” Memo and supporting documentations

Date: May 8, 2025

Applicant ID: PR-ESP-00144

Street Address: 19 Calle Degetau, Juana Diaz PR, 00795

Municipality: Juana Diaz

RE: No Effect Determination for PR-ESP-00144

Executive Summary

Section 7 of the Endangered Species Act (ESA) mandates that federal agencies ensure the actions that they authorize, fund, or carry out shall not jeopardize the continued existence of federally listed plants and animals or result in the adverse modification or destruction of designated critical habitat. Where their actions may affect resources protected by the ESA, agencies must consult with the Fish and Wildlife Service and/or the National Marine Fisheries Service ("FWS" and "NMFS" or "the Services").

This memo serves to document that the proposed project, PR-ESP-00144, located at 19 Calle Degetau, Juana Diaz PR, 00795 (Parcel ID# 366-029-127-13-001) was reviewed in accordance with Section 7 of the Endangered Species Act of 1973 (16 USC 1536) as well as the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 *et seq.*) by a qualified Biologist, resulting in a 'No Effect' determination.

The CDBG-DR Energy Electrical Power Reliability and Resilience (ER2) Program's objective is to enhance electric system reliability, affordability, and resiliency through the development and interconnection of projects that qualify as electric system enhancements or improvements.

Project Description

The subject property is a Commercial Building located in Juana Diaz, PR. The project scope includes the installation of a photovoltaic (solar) panel system and appurtenant storage system (batteries) on the existing commercial building's roof and will be built at Latitude: 18.053913, Longitude: -66.507057 (see Site Map at Appendix A, Figure 1). All improvements will be limited to the roof, floors, and walls of existing commercial buildings. The Field Observation Form and Environmental Screening Checklist depicting and clarifying the extent and location of project activities are included in Appendix B.

As indicated by the Official Species List obtained from the Information for Planning and Consultation (IPaC) system (Appendix C) and USFWS Critical Habitat data (Appendix A, Figure 2), the proposed project lies within the ranges of the following federally listed species and critical habitats:

Species	Status
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	Endangered

Critical Habitat
None.

Existing Conditions:

The project area where the activities will be taking place consists of approximately 0.11-acres of land located at 19 Calle Degetau, Juana Diaz PR, 00795. According to the U.S. Geological Survey National Land Cover Database (NLCD) (Appendix A, Figure 4) the majority of the project area consists of a high intensity developed land. A structure matching project orientation and footprint is present on 1958 Earth Explorer, earliest available. The year was built circa 1930. A topographic map is included (see Appendix A, Figure 3). The project is located in Zone X on the FEMA Flood map and ABFE map, panel number 72000C1670J dated 11/18/2009 (see Flood Map Appendix A, Figure 5 and ABFE map Appendix A, Figure 6). A Preliminary FIRM has not been developed for this area. There is a mapped NWI riverine approximately 1,503 feet to the northeast of the proposed project location. The project activities will not occur within a natural or manmade wetlands and no direct or indirect impacts are anticipated as a result of the project activities (see wetlands map Appendix A, Figure 7).

Effect Determination:

Based on a review of site photos and other information gathered during a site visit on March 19, 2025, none of the species listed above were observed in the vicinity of the proposed project activities and no critical habitat was identified within the proposed project area. Having carefully analyzed the project site and the information available, including the IPaC species list and available Dkey(s), critical habitat data, nature of the project, previous site disturbance, and scope of project activities, the following effect determinations have been made:

Species	Effect Determination	Conservation Measures to be Implemented (if needed)
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	No Effect	None required

SPECIES ANALYSIS

Puerto Rican Boa (*Chilabothrus inornatus*)

Considered to be a habitat generalist, the Puerto Rican Boa tolerates a wide variety terrestrial and arboreal habitat, including rocky areas, haystack hill, trees and branches, rotting stumps, caves, plantations, various types of forested areas such as karst and mangrove forests, forested urban and rural areas, and along streams and road edges. The IPaC Determination Key (Dkey) for the Puerto Rican Boa, dated May 8, 2025, was used to evaluate the potential impacts to federally listed species from this project. Based on the Dkey responses, it was determined that the proposed project will have 'No Effect' on the Puerto Rican Boa (Appendix C).

If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask them to relocate the Boa.



Patricia Carmenatty / Senior Biologist

5/8/2025

Date

Appendix A: Figures

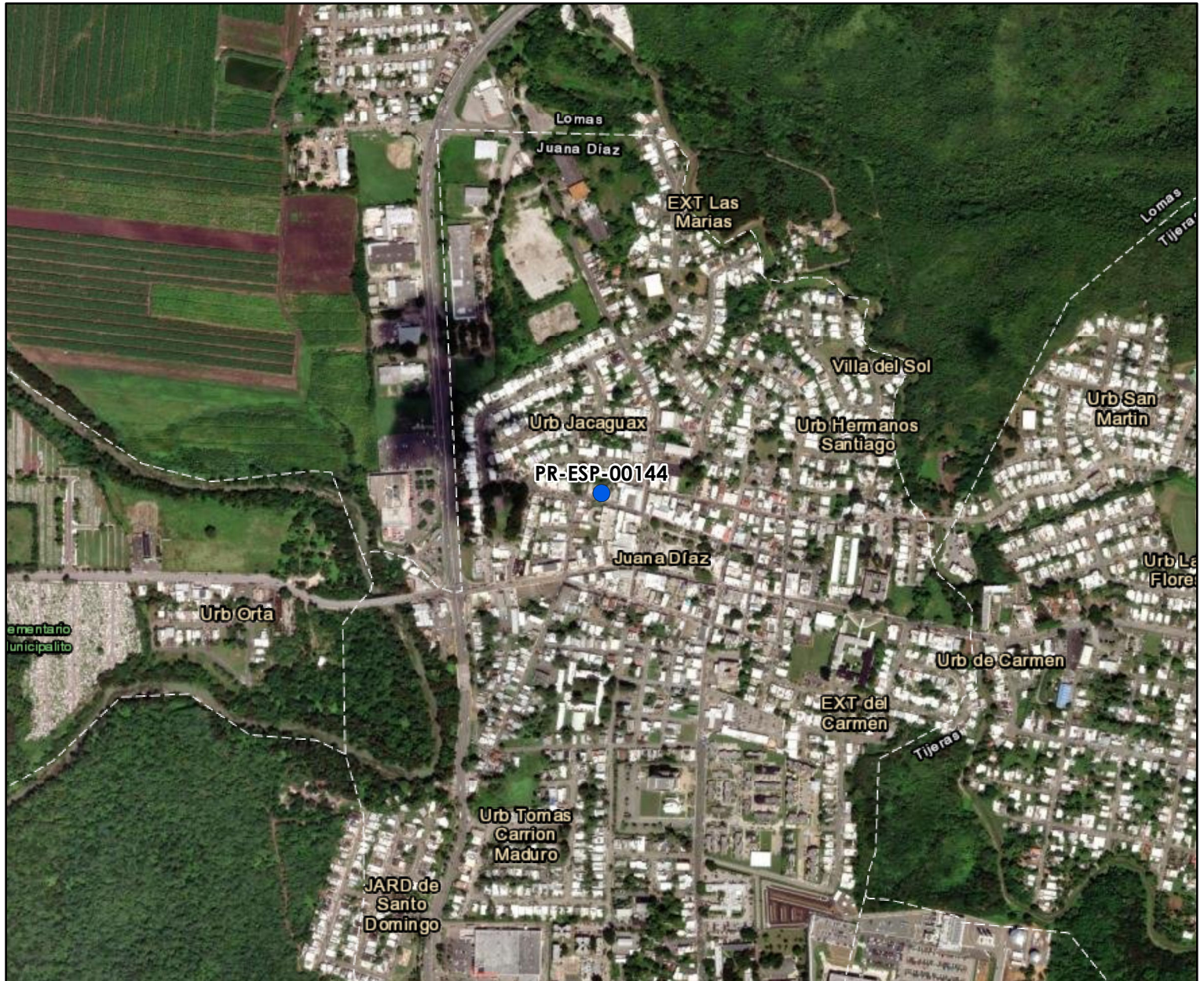
Figure 1

Location: Aerial Map

Electrical Power Reliability and Resilience Program (ER2)

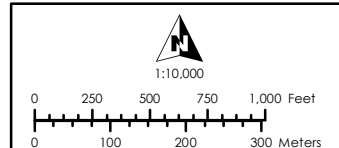
Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795

Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

● PR-ESP-00144



Service Layer Credits:
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

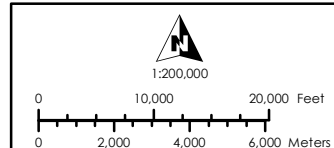
Figure 2
Threatened and Endangered Species Map
 Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
 19 Calle Degetau,
 Juana Díaz PR 00795
 Catastro: 366-029-127-13-001
 Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- Critical Habitat



Service Layer Credits:
 Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

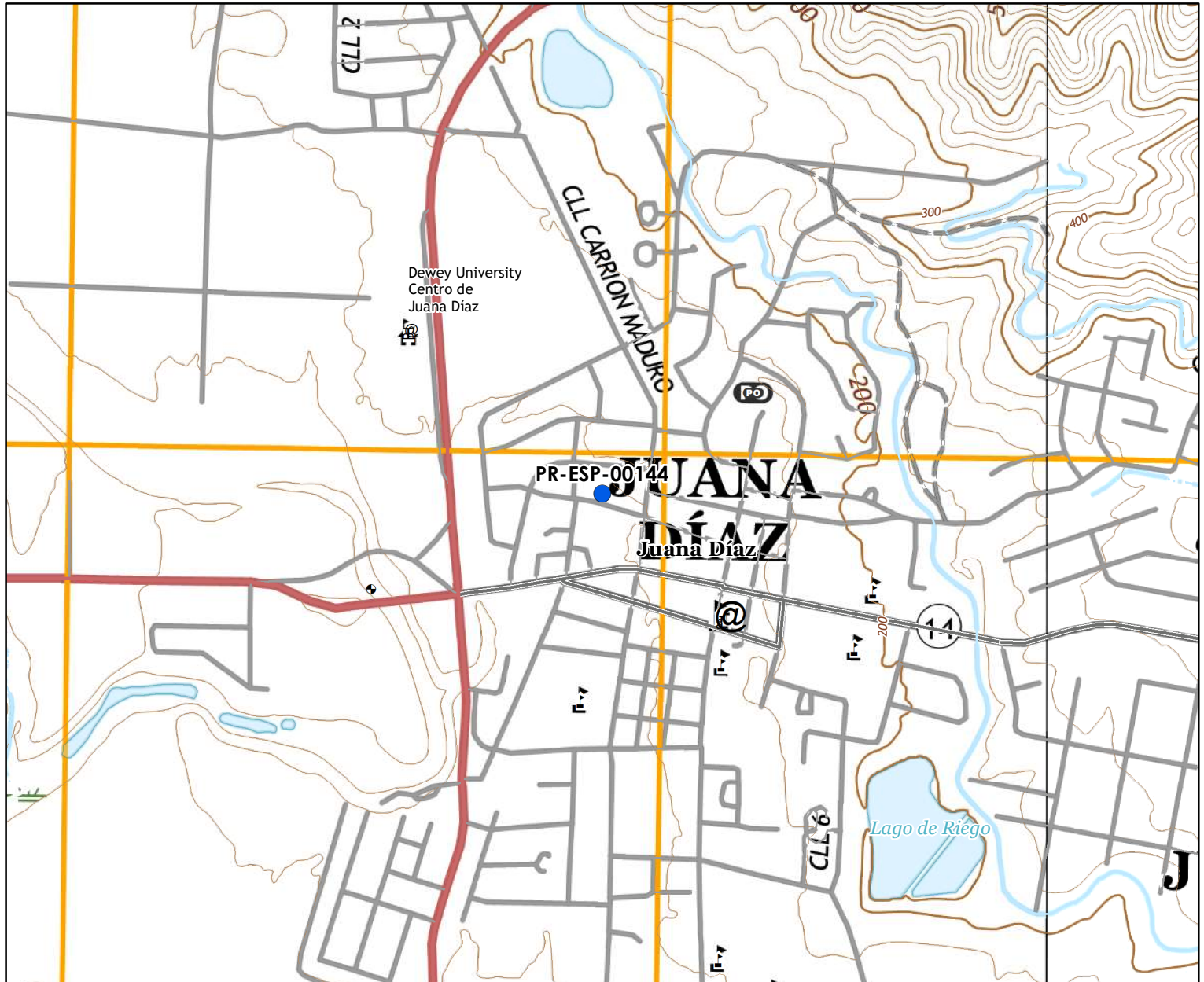
Source:
 NOAA Office of Response and Restoration
<https://response.restoration.noaa.gov/>

Figure 3

Location: Topographic Map

Electrical Power Reliability and Resilience Program (ER2)

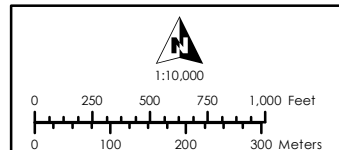
Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- Elev_Contour

Quadrangle: Ponce y Río Descalabrado



Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

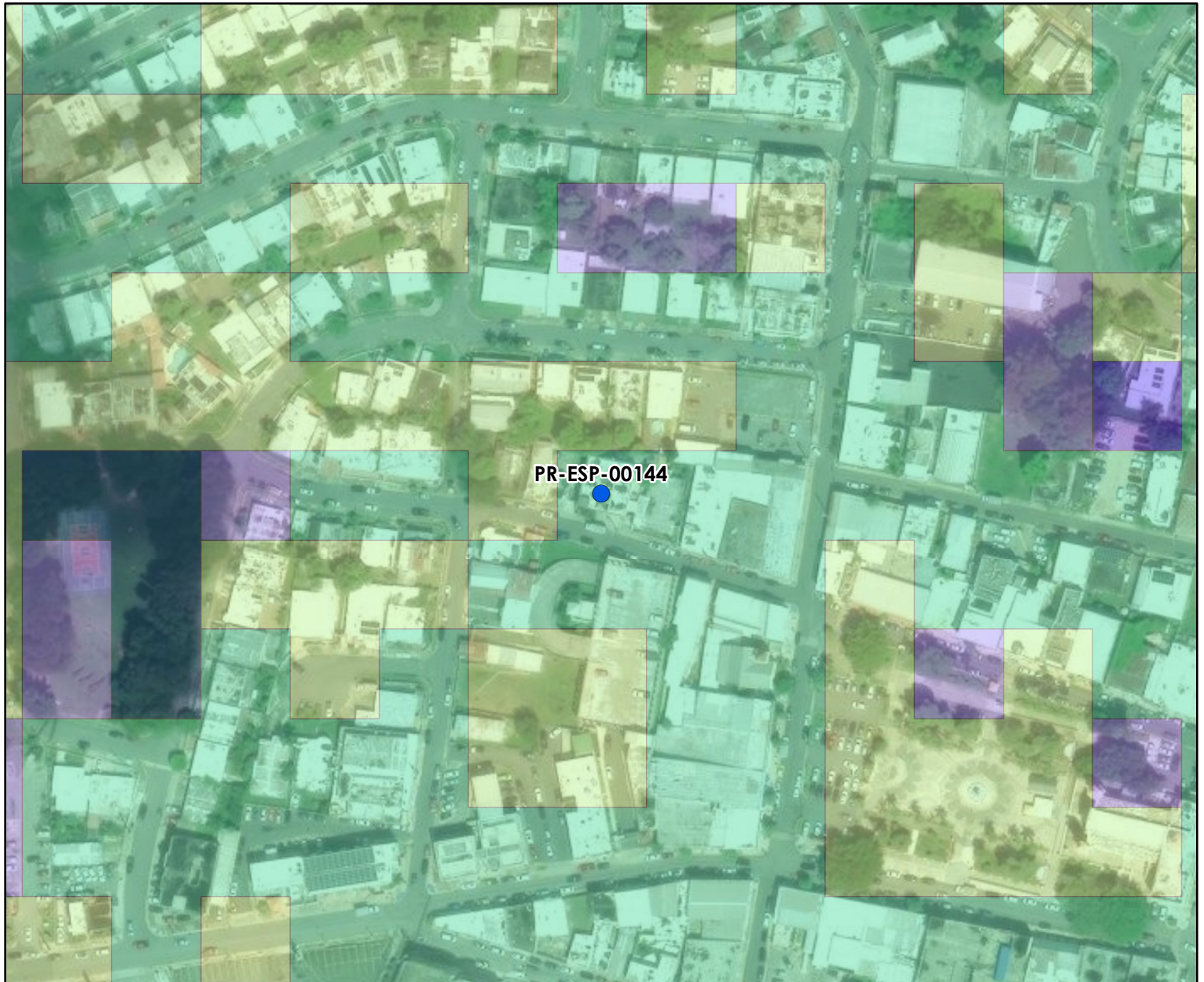
Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

Figure 4

Land Cover Map

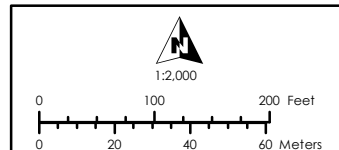
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- Developed Open Space
- High Intensity Developed
- Low Intensity Developed
- Medium Intensity Developed
- Mixed Forest



Service Layer Credits:
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

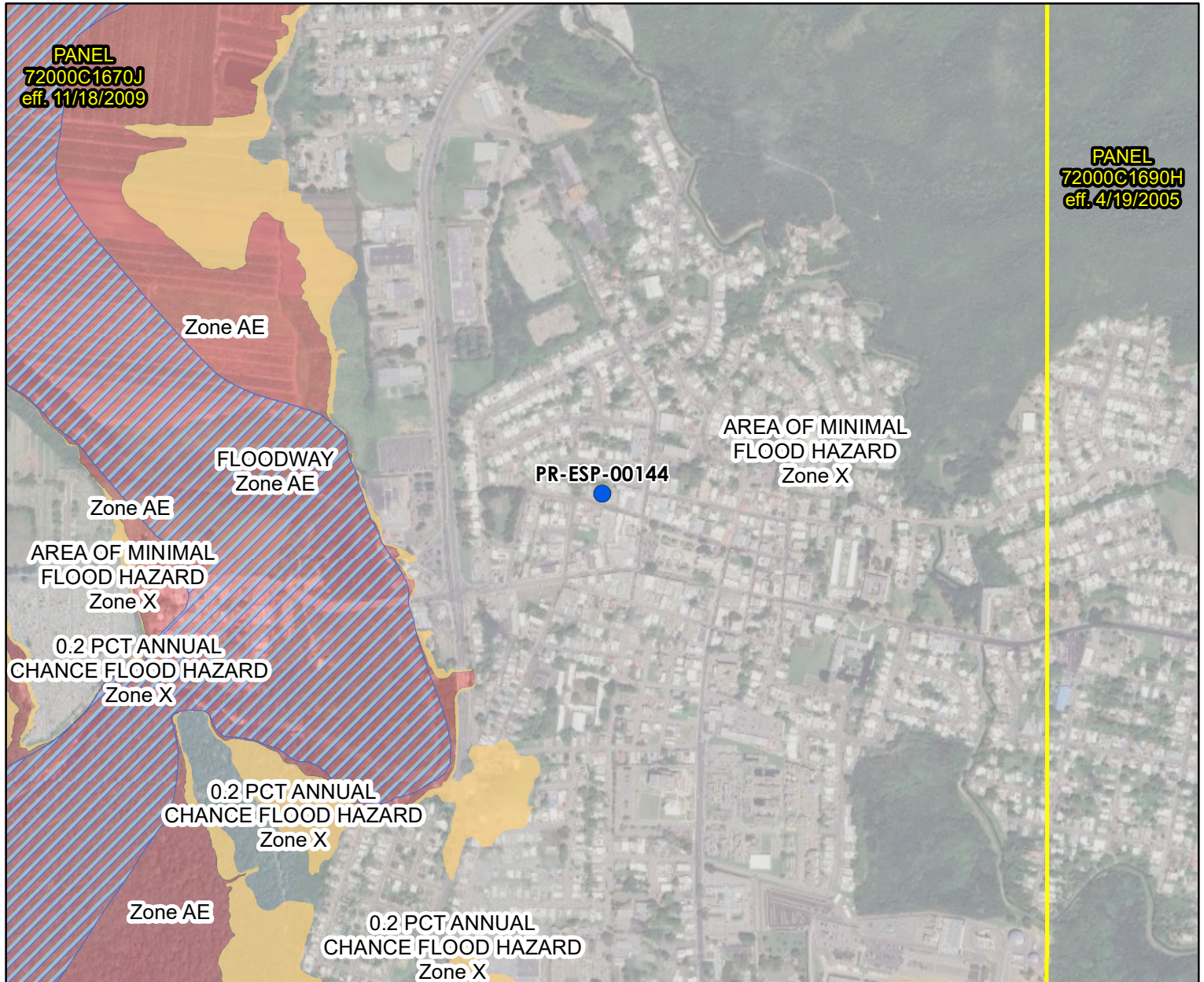
Source:
Multi-Resolution Land Characteristics (MRLC) Consortium
<https://www.mrlc.gov/viewer/>

Figure 5

Flood Insurance Rate Map

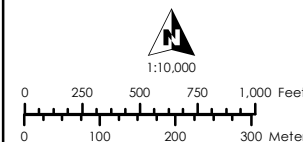
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- FIRM Panel
- Floodway
- 0.2% Annual Chance Flood Hazard
- Zone D Area of Undetermined Flood Hazard
- Zone A
- Zone AE
- Zone AH
- Zone AO
- Zone VE
- Zone X



Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

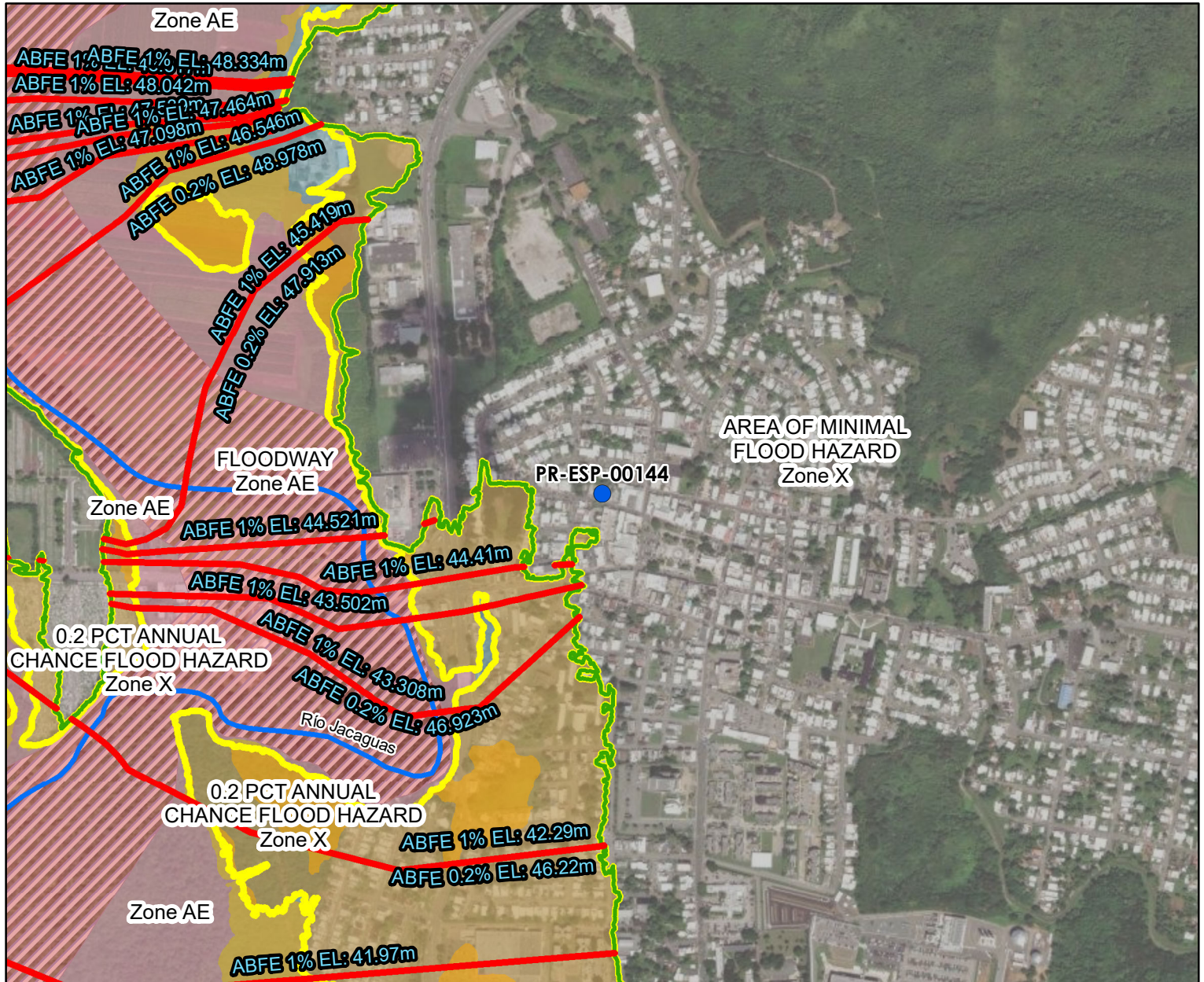
Source:
Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>

Figure 6

Advisory Base Flood Elevation Map

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057

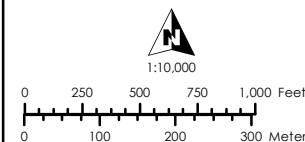


Legend:

- PR-ESP-00144
- Area Potential Effect (Building Footprint)
- CRIM-Parcel
- Advisory Base Flood Elevations (ABFE)
- 0.2 % Annual Chance Flood
- 1 % Annual Chance Flood

Flood Zone

- Zone A
- Zone AE
- Zone AO
- Zone VE
- Zone X - Area of Minimal Flood Hazard
- 0.2 % Annual Chance Flood
- 1 % Annual Chance Flood
- Floodway



Service Layer Credits:

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

Federal Emergency Management Agency (FEMA),
<https://gis-r2-fema.hub.arcgis.com/>
Junta de Planificación de Puerto Rico (JP), <https://maps.jp.pr.gov/>
Mapas de Niveles de Inundación Base Recomendados

Figure 7

Wetlands Map

Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
 19 Calle Degetau,
 Juana Díaz PR 00795
 Catastro: 366-029-127-13-001
 Lat: 18.053913, Lon: -66.507057

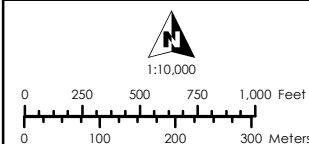


Legend:

● PR-ESP-00144

National Wetlands Inventory

	Estuarine and Marine Deepwater		Freshwater Pond
	Estuarine and Marine Wetland		Lake
	Freshwater Emergent Wetland		Riverine
	Freshwater Forested/Shrub Wetland		



Service Layer Credits:

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:

U.S. Fish and Wildlife Service - National Wetlands Inventory
<https://www.fws.gov/program/national-wetlands-inventory>

Appendix B: Field Observation Form and Environmental Screening Checklist



Environmental Field Assessment Form - PR-ESP-00144

APPLICANT/LOCATION INFORMATION		
Applicant ID:	PR-ESP-00144	 
Applicant Name:	Poetas Catering Corp	
Parcel ID:	366-029-127-13-001	
Coordinates:	18.053913, -66.507057	
Street Address:	19 CALLE DEGETAU	
Municipio:	Juana Díaz	
Zip Code:	00795	
Site Inspector:	Egon Gonzalez	
Date of Visit:	March 19, 2025	
Time of Visit:	12:09	
Year Built:	circa 1930	
Building Information		
Question	Answer	Notes
1. Location verified:	Yes	18.053913, -66.507057
2. Is the building correct on GIS?	Yes	Building is correct on GIS
3. Building Type:	Commercial/Residential	
4. # of Stories:	2	
5. Building Foundation:	Concrete Slab	
6. Is the building in use?	Yes	Building is in use
7. Does the building have a detached garage / carport present?	No	
8. Is the electricity connected?	Yes	Electricity is connected
9. Is the water connected?	Yes	Water is connected
10. Are there signs of poor housekeeping on site? (mounds of rubble, garbage, storm debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, electrical equipment etc.)	No	
11. Is a septic system present? If Yes report apparent condition.	No	
12. Are there any obvious signs of animals, birds nesting or burrows near the site?	No	



Parcel Conditions		
Question	Answer	Notes
1) Are there any 55-gallon drums visible on site? If yes, are they leaking?	Yes	(1) 55gal Drum used to store used cooking oil
2) Are there any (or signs of any) underground storage tanks on the property?	No	
3) Are there signs of AST on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	Yes	(3) 200gal Water cistern, (2) 25lbs Propane tanks and (1) 300lbs Propane tank located at back of structure
4) Is there any stained soil or pavement on the parcel?		
5) Are there any potentially hazardous trees that could fall?		
6) Are there any groundwater monitoring wells on the site or adjacent parcel?	No	
7) Is there distressed vegetation on the parcel?		
8) Are any additional environmental or non-environmental site hazards observed?		
9) Is there any permanent standing water, such as a pond or stream, located on the site(do not include ponding from recent rain / weather events)?	No	
10) Does the subject property have water frontage?	No	
11) Is the applicant aware of any significant historical event or persons associated with the structure, or of it being located in a historic district/ area?	Yes	Site is possibly in historic district
12) Is a historic marker present?	No	
13) Based on the above finding, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	



Building Environmental Conditions

Question	Answer	Notes
1. Is there any visible evidence of asbestos, chipping, and flaking or peeling paint, or hazardous materials present in or on the structure?	No	
2. Is there any visible indication of mold?	No	
3. Are there any pungent, foul or noxious odors?	No	

Additional Needs Analysis

Question	Answer	Notes
Based on the above findings, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	

☒ I verify that I have physically visited this property and that the findings outlined above are accurate.

Inspector Signature

Egon Gonzalez

March 19, 2025

Front of Structure

Photo Direction: North

Comments:



Facing Away from Front

Photo Direction: South

Comments:



Side #1 of Structure

Photo Direction: North

Comments:



Facing Away From Side #1

Photo Direction: Northwest

Comments:



Back of Structure

Photo Direction: East

Comments:



Facing Away from Back

Photo Direction: East

Comments:



Side #2 of Structure

Photo Direction: North

Comments:



Facing Away from Side #2

Photo Direction: Northeast

Comments:



Streetscape #1

Photo Direction: East

Comments:



Streetscape #2

Photo Direction: West

Comments:





Address

Photo Direction: Northwest

Comments:



Architectural Details 1

Photo Direction:

Photo Description: Electricity is connected



Architectural Details 2

Photo Direction:

Photo Description: Water is connected



Architectural Details 3

Photo Direction:

Photo Description: (1) 300lbs Propane tank located at back of structure



Architectural Details 4

Photo Direction:

Photo Description: General interior view



Architectural Details 5

Photo Direction:

Photo Description: General interior view



Architectural Details 6

Photo Direction:

Photo Description: 55gal Drums contains used cooking oil



Architectural Details 7

Photo Direction:

Photo Description: (2) 25lbs Propane tanks located at back of structure



Architectural Details 8

Photo Direction:

Photo Description: (2) 200gal Water cisterns located at back of structure



Architectural Details 9

Photo Direction:

Photo Description: (1) 200gal Water is located at back of structure



Architectural Details 10

Photo Direction:

Photo Description: Additional left side of structure



Architectural Details 11

Photo Direction:

Photo Description: Additional right side of structure



Architectural Details 12

Photo Direction:

Photo Description: Proposed location for battery storage system



Appendix C: Information for Planning and Consultation (IPaC) system



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:

05/08/2025 18:39:32 UTC

Project Code: 2025-0093866

Project Name: PR-ESP-00144

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

THE FOLLOWING SPECIES LIST IS NOT A SECTION 7 CONSULTATION. PLEASE CONTACT OUR OFFICE TO COMPLETE THE CONSULTATION PROCESS

The purpose of the Endangered Species Act (Act) is to provide a means whereby threatened, and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect those species and/or their designated critical habitat.

Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". The enclosed species list provides information to assist with the U.S. Fish and Wildlife Service (Service) consultation process under section 7 of the Act. However, **the enclosed species list does not complete the required consultation process**. The species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitats, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. A discussion between the Federal agency and the Service should include what types of listed species may occur in the proposed action area and what effect the proposed action may have on those species. This process initiates informal consultation.

Once a species list is obtained for the proposed project, an effect determination for endangered and threatened species should be made. The applicant could make an effect determination by using available keys on IPaC for specific species. For species with no determination keys, the applicant should request concurrence from the Service by sending a project package

to caribbean_es@fws.gov. To obtain guidance for completing this process and the minimum requirements for project packages, please visit:

<https://www.fws.gov/sites/default/files/documents/consultation-under-section-7-of-the-endangered-species-act-with-the-caribbean-ecological%20Services-field-office-template-letter.pdf>

When a federal agency, after discussions with the Service, determines that the proposed action is not likely to adversely affect any listed species, or adversely modify any designated critical habitat, and the Service concurs, the informal consultation is complete, and the proposed project moves ahead. If the proposed action is suspected to affect a listed species or modify designated critical habitat, the Federal agency may then prepare a Biological Assessment (B.A.) to assist in its determination of the project's effects on species and their habitat. However, a B.A. is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a B.A. where the agency provides the Service with an evaluation on the likely effects of the action to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a B.A. are described at 50 CFR 402.12.

If a federal agency determines, based on its B.A. or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to further consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation process. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species.

This list is provided pursuant to Section 7 of the Endangered Species Act and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". Please use this list to determine whether your project requires consultation and to make your effects determination. For more guidance, use the Guideline for Consultation under Section 7 of the Endangered Species Act with the Caribbean Ecological Services Field Office by clicking [here](#).

This species list is provided by:

Caribbean Ecological Services Field Office

caribbean_es@fws.gov

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Caribbean Ecological Services Field Office

Post Office Box 491

Boqueron, PR 00622-0491

(939) 320-3135

PROJECT SUMMARY

Project Code: 2025-0093866

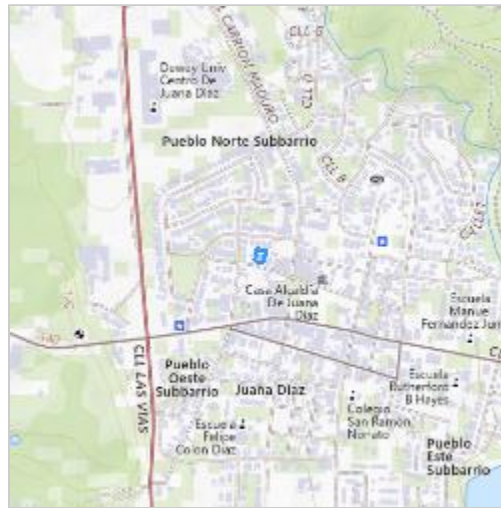
Project Name: PR-ESP-00144

Project Type: Power Gen - Solar

Project Description: Commercial Name: Poetas Catering Corp. The subject property is a Commercial Building located in Juana Diaz, PR. The project scope includes the installation of a photovoltaic (solar) panel system and appurtenant storage system, BSS, on the existing commercial building's roof and will be built at Latitude: 18.053913, Longitude: -66.507057.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.0539659,-66.50704426526127,14z>



Counties: Juana Díaz County, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

REPTILES

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6628 General project design guidelines: https://ipac.ecosphere.fws.gov/project/VX26HB3G7VDPJDH737Z3JRHAQI/documents/generated/7159.pdf	Endangered

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

-
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
 2. The [Migratory Birds Treaty Act](#) of 1918.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

BALD & GOLDEN EAGLES INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED. PLEASE CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

MIGRATORY BIRD INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED. PLEASE CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Patricia Carmenatty
Address: Perseo St. 554 Cond. Iberia Suite J-3
City: San Juan
State: PR
Zip: 00920
Email: patricia.carmenatty@byaea.com
Phone: 7877830290



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:
Project code: 2025-0093866
Project Name: PR-ESP-00144

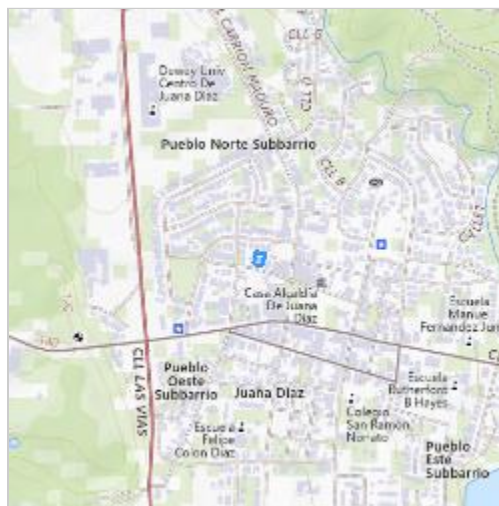
05/08/2025 18:51:55 UTC

Subject: Technical Assistance letter for the project named 'PR-ESP-00144' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On May 08, 2025, Patricia Carmenatty used the Caribbean DKey; dated January 03, 2025, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-ESP-00144'. The project is located in Juana Díaz County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.0539659,-66.50704426526127,14z>



The following description was provided for the project 'PR-ESP-00144':

Commercial Name: Poetas Catering Corp. The subject property is a Commercial Building located in Juana Diaz, PR. The project scope includes the installation of a photovoltaic (solar) panel system and appurtenant storage system, BSS, on the existing commercial building's roof and will be built at Latitude: 18.053913, Longitude: -66.507057.

Based on your answers and the assistance of the Service's Caribbean DKey, you determined the proposed Action will have "No Effect" on the following species:

Species	Listing Status	Determination
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	Endangered	No effect

Thank you for informing the Service of your "No Effect" determination(s) for this project. No further consultation/coordination for this project is required for these species. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

This letter serves as documentation of your consideration of the federally listed species as required under section 7 of the ESA. However, effects to the other federally listed species or critical habitat as listed below from the "IPaC print-out for the project" (see below) should be considered as part of your ESA review for the project.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a "No Effect" (NE) determination for Federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NE concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

Note: Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species.** If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean_es@fws.gov) to determine whether the consultation needs to be reinitiated.

If the proposed project is located within species range where a DKey has not been developed for those species, please follow the established guidance for initiating section 7 consultation Caribbean Ecological Services Field Office.

We appreciate your interest in protecting endangered species and their habitats. It is the Service's mission to work with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of our people. If you have any questions or require additional information, please contact our office at Caribbean_es@fws.gov.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

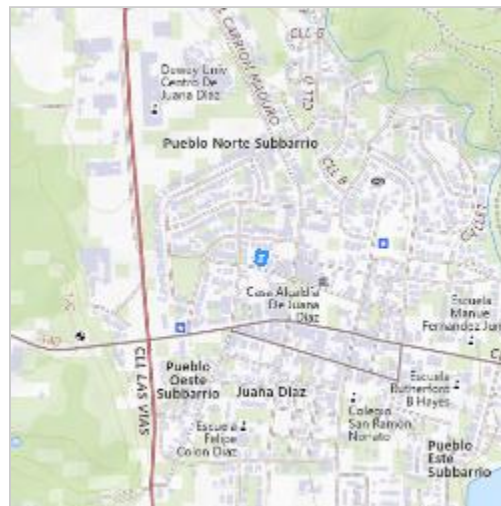
PR-ESP-00144

2. Description

The following description was provided for the project 'PR-ESP-00144':

Commercial Name: Poetas Catering Corp. The subject property is a Commercial Building located in Juana Diaz, PR. The project scope includes the installation of a photovoltaic (solar) panel system and appurtenant storage system, BSS, on the existing commercial building's roof and will be built at Latitude: 18.053913, Longitude: -66.507057.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.0539659,-66.50704426526127,14z>



QUALIFICATION INTERVIEW

1. Is the proposed project an EPA Multi-Sector General Permit (MSGP) renewal for an existing project? ([MSGP Fact Sheet](#))

No

2. Is the proposed project within an urban developed area? (i.e., cities, downtowns, shopping malls etc.)

Note: Urban and developed areas has one or more of the following characteristics: Presence of existing buildings, residential areas, and commercial establishments. Well-established infrastructure including roads, utilities, and urban facilities. High population density. Established neighborhoods and urban amenities ("urbanizaciones"). Developed landscape with paved surfaces, parking lots, and industrial areas. Signs of human activity and urbanization, such as shopping centers and recreational facilities. Location within the boundaries of a city or town ("casco urbano"). High concentration of built-up structures and limited open spaces. Aerial imagery might be requested to the applicant. .

Yes

3. [Hidden Semantic] Does the proposed project intersect the Puerto Rican boa area of influence?

Automatically answered

Yes

IPAC USER CONTACT INFORMATION

Agency: Private Entity

Name: Patricia Carmenatty

Address: Perseo St. 554 Cond. Iberia Suite J-3

City: San Juan

State: PR

Zip: 00920

Email: patricia.carmenatty@byaea.com

Phone: 7877830290

Appendix D: USFWS Species Analysis



U.S. FISH AND WILDLIFE SERVICE CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

Conservation Measures for the Puerto Rican boa (*Chilabothrus inornatus*)

Section 7 (a)(1) of the Endangered Species Act (ESA) charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies, through consultation with the U.S. Fish and Wildlife Service (Service), to ensure their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats. Section 7 applies to the management of Federal lands as well as Federal actions that may affect federally listed species, such as Federal approval of private activities through the issuance of Federal funding, permits, licenses, or other actions. Any person that injures, captures, or kills a Puerto Rico boa is subject to penalties under the ESA. If Federal funds or permits are needed, the funding or permitting agency should initiate Section 7 consultation with the Service. To initiate a consultation under the Section 7 of the ESA, you must submit a project package with the established minimum requirements. These conservation measures should be incorporated into the project plans to minimize possible impacts to the species.

The endangered Puerto Rican (PR) boa (*Chilabothrus inornatus*, formerly *Epicrates inornatus*) is the largest endemic snake species that inhabits Puerto Rico. The PR boa is non-venomous and does not pose any life threatening danger to humans, but some individuals may try to bite if disturbed or during capture or handling. Its body color ranges from tan to dark brown with irregular diffuse marking on the dorsum, but some individuals lack marking and are uniformly dark. Juveniles may have a reddish color with more pronounced markings. In general, as they mature, their body color tends to darken.



The PR boa was federally listed in 1970. Currently, the species has an island-wide distribution and occurs in a wide variety of habitat types, ranging from wet montane to subtropical dry forest and can be found from mature forest to areas with different degrees of human disturbance such as roadsides or houses, especially if near their habitat in rural areas. The PR boa is considered mostly nocturnal, remaining less active, concealed or basking under the sun during the day.

The Service has developed the following conservation measures with the purpose of assisting others to avoid or minimize adverse effects to the PR boa and its habitat. These recommendations may be incorporated into new project plans and under certain circumstances into existing projects. Depending on the project, additional conservation measures can be implemented besides the ones presented in this document.

Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.
2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.
3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or project personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.
4. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #5). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: (787) 724-5700, (787) 230-5550, (787) 771-1124). **If immediate relocation is not an option, project-related activities at that area must stop until the boa moves out of harm's way on its own.** Activities at other work sites, where no boas have been found after surveying the area, may continue.
5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

6. If a PR boa is captured by PRDNER personnel, record the name of that person and information on where the PR boa will be taken. This information should be reported to the Service.
7. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal, and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #4). If not possible, the animal should be left alone until it leaves the vehicle on its own.
8. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
9. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #5). If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.
10. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

If you have any questions regarding the above conservation measures, please contact the Service:

- José Cruz-Burgos, Endangered Species Program Coordinator
 - Email: jose_cruz-burgos@fws.gov
 - Office phone (305) 304-1386
- Jan Zegarra, Fish and Wildlife Biologist
 - Email: jan_zegarra@fws.gov
 - Office phone (786) 933-1451

Appendix 7: SECTION 106 CONSULTATION PACKAGE



STATE HISTORIC
PRESERVATION
OFFICE

GOVERNMENT OF PUERTO RICO

Executive Director | Carlos A. Rubio Cancela | carubio@prshpo.pr.gov

September 18, 2025

Kristin Sanders

269 Avenida Ponce de León
San Juan, PR 00917

**SHPO-CF-08-21-25-05 - PR-ESP-00144 (Juana Díaz), Poetas
Catering Corp**

Dear Ms. Sanders,

Our Office has received and reviewed the information submitted for the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the *National Historic Preservation Act, as amended*) and 36 CFR Part 800: *Protection of Historic Properties* from the Advisory Council on Historic Preservation.

After a review of all the documentation, the SHPO agrees with your finding that the proposed project, with the established condition, will have **no adverse effect** upon historic properties:

1. *When installed, the PVS/BSS shall remain not visible or will be minimally visible from the street to be consistent with the related Secretary of the Interior's Standards, Guidelines, and Technical Briefs.*

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 concerning our comments, do not hesitate to contact our Office.

Sincerely,



Carlos A. Rubio Cancela

State Historic Preservation Officer
CARC/GMO/MDC





DEPARTMENT OF

HOUSING

GOVERNMENT OF PUERTO RICO



March 24, 2025

Samir El Hage Arocho
General Partner, HORNE LLP
269 Juan Ponce de León Ave.
Hato Rey, Puerto Rico 00917-00918

Via email: samir.elhage@horne.com

RE: Authorization for Grant Management (GM) to Conduct the Required Environmental Consultations with Federal and Local Agencies on PRDOH's Behalf

Dear Mr. El Hage,

Provisions at 24 C.F.R. Part 58 establish the environmental review procedures for entities assuming the U.S. Department of Housing and Urban Development (**HUD**) environmental responsibilities under the National Environmental Policy Act (**NEPA**) and other applicable laws. The Puerto Rico Department of Housing (**PRDOH**), as the designated CDBG-DR/MIT grantee, has assumed HUD's environmental responsibilities under NEPA and related laws (**Responsible Entity**) by directly implementing multiple CDBG-DR/MIT projects.

One of the Responsible Entity's many responsibilities under 24 C.F.R. Part 58 is consulting with State, Federal, and non-federal entities in preparing an Environmental Review Record (**ERR**). Regarding a Responsible Entity's interactions with State, Federal, and non-Federal entities, 24 C.F.R. § 58.14 states that:

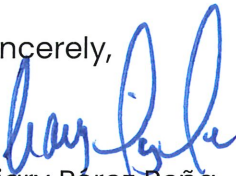
A responsible entity shall consult with appropriate environmental agencies, State, Federal and non-Federal entities and the public in the preparation of an EIS, EA or other environmental reviews undertaken under the related laws and authorities cited in § 58.5 and § 58.6. [...].

In conducting its role as a Responsible Entity that directly undertakes a project, as per 24 C.F.R. § 58.4(b)(1), PRDOH *"must assume the environmental review responsibilities for the State's activities **and those of any non-governmental entity that may participate in the project.**"* Accordingly, a Responsible Entity may delegate certain tasks in the preparation of ERRs but retains full legal responsibility for compliance with environmental requirements.

To effectively manage available environmental resources and expedite the preparation of ERRs, PRDOH—as Responsible Entity—wishes to delegate the task of consulting with State, Federal, and non-Federal entities contained in 24 C.F.R. § 58.14. Therefore, PRDOH hereby authorizes Alberto Mercado Vargas, GM Environmental SME, or his authorized representative) to conduct on its behalf the environmental consultations with Federal and local agencies required to prepare ERRs for the implementation of CDBG-DR and CDBG-MIT projects, while still maintaining the ultimate and full legal responsibility for compliance with environmental requirements. This authorization extends to both early and formal consultations before Federal agencies such as the U.S. Fish and Wildlife Service (**USFWS**) and the State Historic Preservation Office (**SHPO**), among others required for compliance with applicable laws and regulations as established in 24 C.F.R. § 58.14 and § 58.5. GM should include and copy the PRDOH Environmental Division in all communications with Federal and local agencies for these purposes.

PRDOH appreciates GM's commitment to Puerto Rico's recovery and is confident in its ability to execute this task effectively. Please feel free to contact me with any questions.

Sincerely,



Ciary Pérez Peña

Secretary

Puerto Rico Department of Housing

Cc. Alberto Mercado Vargas
GM Environmental SME
alberto.mercadovargas@horne.com

August 21, 2025

Carlos A. Rubio Cancela
Director Ejecutivo
Oficina Estatal de Conservación Histórica
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

PUERTO RICO DISASTER RECOVERY, CDBG-DR PROGRAM: ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)

SECTION 106 NHPA EFFECT DETERMINATION SUBMITTAL – PR-ESP-00144, POETAS CATERING CORP, JUANA DÍAZ, PUERTO RICO – *NO ADVERSE EFFECT – CONDITIONED*

Dear Architect Rubio Cancela,

In accordance with Section 106 of the National Historic Preservation Act and its implementing regulations, 36 CFR Part 800, HORNE is providing information for your review and requesting your concurrence regarding the above-referenced projects on behalf of the Puerto Rico Department of Housing (PRDOH) and Electrical Power Reliability and Resilience Program (ER2). On February 9, 2018, an allocation of Community Development Block Grant – Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (Housing) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents.

The purpose of the ESP is to benefit Puerto Rican communities by funding projects that enhance electric system reliability, affordability, and resiliency. The Program's design will be carried out through the development and interconnection of microgrids and distributed energy resources, including renewable energy generation, combined heat and power (CHP) systems, photovoltaic systems (PVS), and battery storage systems (BSS), among other eligible project types.

On behalf of PRDOH, we are submitting documentation for the proposed Poetas Catering Corp Project, located within Juana Díaz Traditional Urban Center. The applicant is proposing the installation of a Photovoltaic System (PVS) on the roof and a Battery Storage System

(BSS) on the left side of the front elevation of the building located at 19 Calle Degetau. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the site plan.

Based on the provided documentation, the Program requests a concurrence with a determination that **no adverse effect** to historic properties is appropriate for this undertaking, conditioned that, when installed, the solar panels remain not visible or minimally visible from the street to be consistent with the related Secretary of the Interior's standards, guidelines, and technical briefs.

We look forward to your review and concurrence. Please contact me with any questions or concerns by email at kristin.sanders@horne.com or phone at 225-276-2109.

Kindest regards,



Kristin P. Sanders

Historic Preservation Manager

Attachments

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		
Case ID: PR-ESP-00144		
City: Juana Díaz		

Applicant Name: POETAS CATERING CORP	
Project Location (Street Address, City): 19 CALLE DEGETAU, Juana Díaz	
Project Coordinates (Lat/Long): 18.053913, -66.507057	
Parcel ID: 366-029-127-13-001	
Type of Undertaking: Installation of Photovoltaic System (PVS) and a Battery Storage System (BSS)	
Construction Date (AH est.): circa 1930	Property Size (acres): 0.13

SOI-Qualified Architect/Architectural Historian: Jorge L Lizardi Pollock, PhD
Date Reviewed: 5/19/2025

In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the National Register of Historic Places (NRHP) and any properties not listed that would be considered eligible for listing that are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties. It has been determined that the proposed undertaking does not meet allowances as outlined in the Programmatic Agreement.

Project Description (Undertaking)

The proposed undertaking is the installation of a Photovoltaic System (PVS) and a Battery Storage System (BSS) on the roof of the residence located at 19 CALLE DEGETAU, within Juana Díaz Traditional Urban Center. According to the project quote the PVS will be installed on the structure roof and the BSS will be installed in the exterior, on the front facing wall of structure. The proposed installation location on the subject property showing where the PVS and BSS will be shown below in Figure 1. PVS will not be visible from the public right-of-way. The RSD, Inversor, and BSS will be visible from the street because they will be installed on the left side of the front elevation which faces the Degetau Street.

Although the subject property is located on one of the oldest streets within Juana Díaz Traditional Urban Center boundaries, it is a modern-style, two-level structure built with a concrete footing, concrete walls, and topped with a flat roof concrete slab. The structure holds retail space and residences on its first and second levels. The second level features

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
Case ID: PR-ESP-00144		
City: Juana Díaz		

a balcony and terrace on its right-hand side. The balcony facing the street has glass paneled metal louver windows, four glass sliding doors, while the terrace includes a similarly manufactured entrance door: metal and glass panels. A railing made of metal and concrete encloses these open spaces facing the street. The eaves slightly project beyond the walls and their only ornamentation is a double trim that runs along them. The side left elevation windows are of Miami-style with horizontal metal louvers and glass blocks are inserted in the left side of its facade. It also has retractable awnings on the second level and a terrace for commercial uses on the first, full frontal doors that gave access to the retail space and parking space paved in concrete. The properties adjacent to this one are likewise modern concrete structures with flat roofs, metal or glass windows. The one to the west is a single-level residence, while the one to the east is a two-level building used also for commercial purposes.

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the Direct APE for this project is the building itself at 19 CALLE DEGETAU. The Indirect/Visual APE is defined as the viewshed of the proposed project which is the surrounding properties in the Juana Díaz Traditional Urban Center.

Identification of Historic Properties

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is within the boundaries of the Juana Díaz Traditional Urban Center which is eligible to the National Register of Historic Places (NRHP.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		
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Through this review, the following 13 eligible and listed NRHP properties have been identified within a ¼ mile radius of the project area:

1. Eligible one floor commercial building with Spanish colonial architectural attributes (Funeral Parlor Rivera) 0.02 miles East. 18°03'13.2"N 66°30'23.3"W
2. Eligible one floor comercial building within Spanish colonial attributes (Island Finance offices), 0.02 miles East. 18°03'13.0"N 66°30'22.9"W.
3. Eligible concrete and wood early 20th century house (Casa Real, Museo de la Historia Juanadina), 0.02 miles East. 18°03'13.0"N 66°30'22.9"W
4. Eligible Neo-Gothic Concrete and Wood protestant church. (Iglesia Evangélica Unida de Puerto Rico, established in 1902), 0.03 miles Southeast. 18°03'12.1"N 66°30'23.6"W.
5. Eligible Román Baldorioty de Castro Public Square, established circa 1797 and several times renovated, 0.05 miles Southeast. 18°03'11.1"N 66°30'22.2"W.
6. Eligible concrete, one story masonry and wood house (Casa Zambrana), early 20th century home, 0.09 miles East. 18°03'12.2"N 66°30'19.9"W.
7. Eligible concrete two floors Town Hall with Beaux Arts architectural attributes, circa 1922, 0.10 miles East. 18°03'12.4"N 66°30'20.6"W
8. Eligible two floors commercial and apartments building with Art Nouveau architectural attributes, 1929. 0.11 miles E. 18°03'12.6"N 66°30'20.1"W
9. Eligible early 20th century two floors concrete and wooden building with a metal planks hip roof and Beaux-Arts architectural attributes, 0.12 miles Eeast. 18°03'11.9"N 66°30'19.4"W
10. Eligible Row buildings that vary from Art-Decó to late Spanish colonial aesthetics, all commercial buildings, 0.13 miles Southeast. 18°03'12.5"N 66°30'23.4"W
11. Registered San Juan Bautista and San Ramón Nonato catholic church, built in 1807 (original design by and unknown architect), remade in masonry and design within baroque attributes by J.G. Scamarony in 1846. Tower bells were added in 1881. 0.12 miles East. 18°03'10.3"N 66°30'19.5"W. Included in the NRHP in 1984, #84000465.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		
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12. Eligible early 20th century house in Calle Mariano Abril and Manuel F. Rossy, made in wood and concrete with a outlooking tower with round balcony and topped with a metal planks gable roof, 0.24 miles Southeast. 18°03'01.5"N 66°30'24.5"W
13. Eligible early 20th century house in Martínez Nadal and Pedro Monclova streets within Art-Nouveau architectural attributes, built in wood and concrete, topped with a metal planks hip roof, 0.20 miles Southeast. 18°03'04.1"N 66°30'23.2"W

The urban center of Juana Díaz has existed since at least the mid-seventeenth century, and in this regard, it is one of the oldest towns in Puerto Rico. The town was officially recognized as a municipality in 1798. The fertility of its lands and its strategic location along routes connecting interior agricultural states in Jayuya, Utuado, and Coamo to the port of Ponce contributed to its slow but steady growth throughout the nineteenth century. Degetau Street, where the property is located, existed as early as 1864, according to documents from the AGPR. That year, other streets existing included Comercio, Carrión Maduro (now Mariano Abril), Tres de Enero, Mariano Braschi, Santiago, Muñoz Rivera, San Juan, and Jornaleros. Early in the 20th century the municipality acquired lands to the south to develop early urban expansions within a orthogonal regular streets layout, where nouveau or historicist houses like the one located in Martinez Nadal and Pedro Monclova corner were erected. Eventually the urban grid of Juana Díaz grew toward the north with modern suburban extensions with a more organic pattern, and to the south with industrial, commercial, social housing complexes and institutional buildings.

Unlike other urban centers, Juana Díaz still retains many structures eligible for listing in the National Register of Historic Places (NRHP) within the plaza perimeter and its immediate surroundings. Approximately 13 properties are located within a 0.25-mile radius of the property and would be eligible under one or more NRHP criteria like A (event), B (persons with whom the property is associated), C (architecture distinctive attributes), or D (information potential that the building yields). Additionally, many other

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Case ID: PR-ESP-00144		
City: Juana Díaz		

properties in Juana Díaz TUC could be considered contributing properties. Even if they lack the necessary historical integrity required for individual listing, they hold architectural traits that contribute to the sense of place. However, Degetau Street is one of the most transformed streets in the 20th century. From its intersection with Mariano Abril to Tres de Enero, most of its wooden or masonry structures have been demolished and replaced by one- or two-story concrete buildings for commercial, institutional or residential use. None of the adjacent properties to the one being evaluated actually meet the criteria necessary to be considered eligible for its individual inclusion in the NRHP. While they contribute through their form, massing, alignment, and land lot occupation, they are austere, modern, and functional buildings mostly made in concrete and steel.

According to historic aerial photographs and topographic maps, the property where the PVS and BSS will be installed was built on the footprint of a previous house. We have no data indicating what the preceding building looked like. In summary, the property does not meet Criteria A or B, as it is not associated with any particular event or person. Nor does it meet Criterion C, as it does not embody any distinctive characteristics, represent an important institution in the town's history, or have been designed by a master architect. It neither yields important information beyond representing a recurring phenomenon in urban centers: the demolition of traditional architecture to be replaced by modern and austere structures, which are more resistant to natural disasters and easier to preserve.

Determination

The following historic properties have been identified within the APE:

- **Direct Effect:**
 - No historic properties are present within the Direct APE
- **Indirect Effect:**
 - The PVS will not be visible from the public-right of-way. The RSD, Inversor and BSS will be visible from the street because they will be installed in the left side of the front elevation, which faces the Degetau Street. However, the

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
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property is not individual eligible the NRHP because it is a modern concrete building that does not comply with the essential criteria for its inclusion and the system will look as modern as the property itself.

Based on the results of our historic property identification efforts, the Program has determined that project actions has no adverse effect on the historic properties that compose the Area of Potential Effect. Degetau Street is one of the most transformed streets within Juana Díaz Traditional Urban Center in the 20th century. From its intersection with Mariano Abril to Tres de Enero, many of its wooden or masonry structures have been demolished and replaced by one- or two-story concrete buildings for commercial or residential use. In addition none of the adjacent or across the street properties to the one being evaluated meet the criteria necessary to be considered eligible for its individual inclusion in the NRHP.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP) Section 106 NHPA Effect Determination – Historic Property Architectural Form		 DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO
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Recommendation *(Please keep on same page as SHPO Staff Section)*

The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

☐ No Historic Properties Affected

☒ No Adverse Effect

Conditioned to systems not visible or minimally visible from street.

☐ Adverse Effect

Proposed Resolution (if applicable)

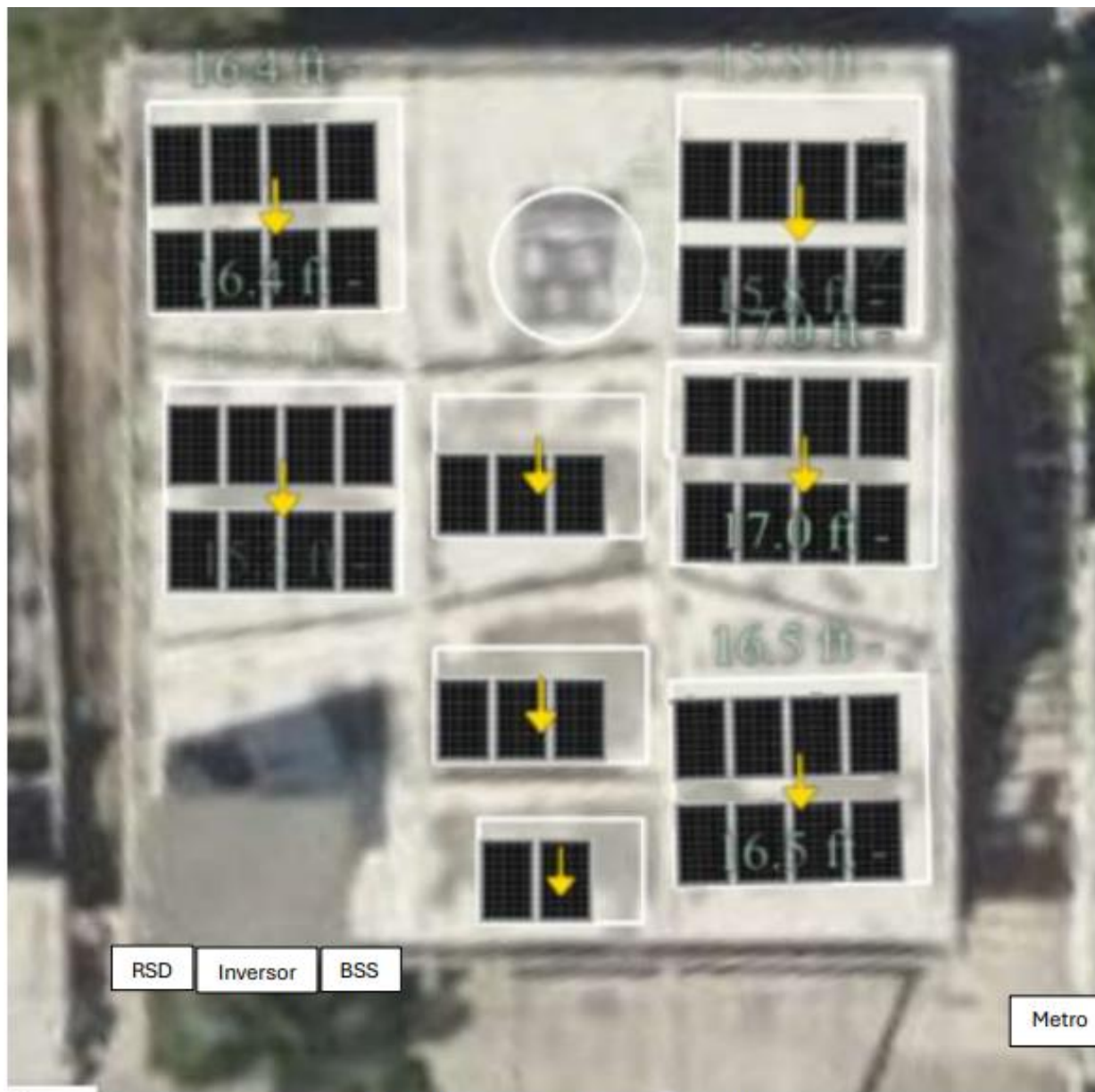
This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and:	
☐ Concurs with the information provided. ☐ Does not concur with the information provided.	
Comments:	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Case ID: PR-ESP-00144

City: Juana Díaz

PROPOSED INSTALLATION LOCATION ON THE SUBJECT PROPERTY



19 Calle Degetau Juana Díaz, PR

Case ID: PR-ESP-00144

City: Juana Díaz

Project (Parcel) Location – Area of Potential Effect Map (Aerial)

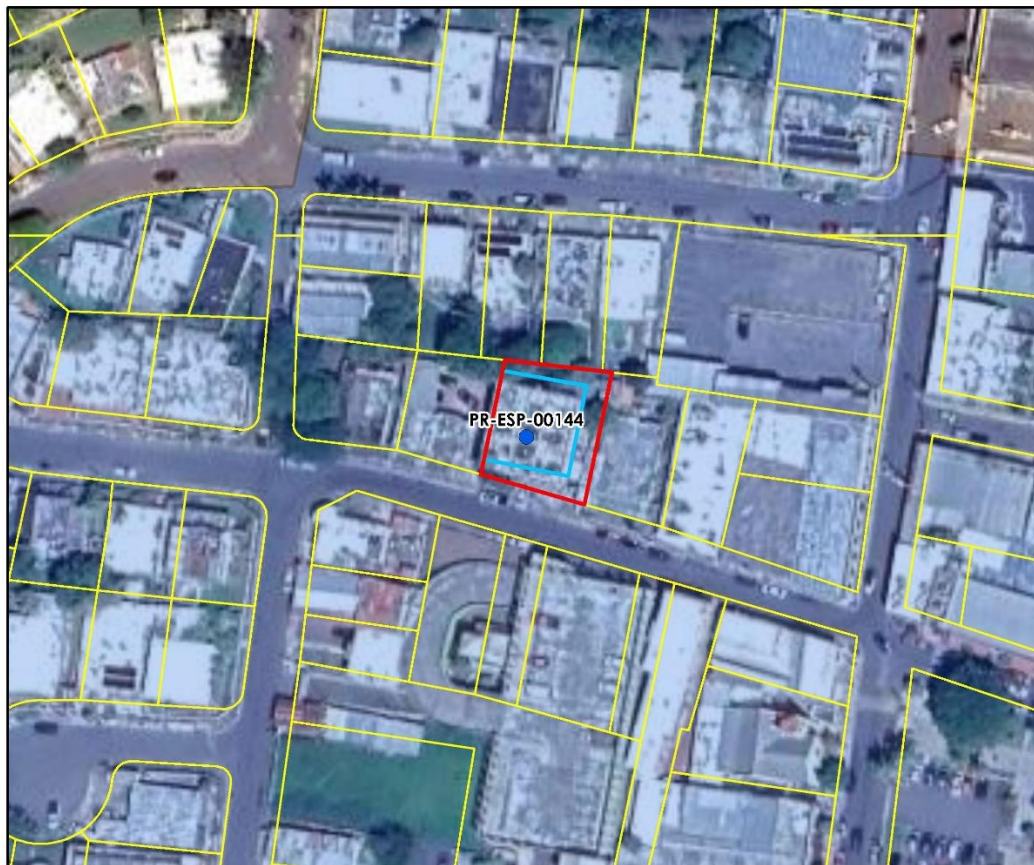
BYA BEHAR-YBARRA AND ASSOCIATES LLC
ENGINEERING, ENVIRONMENTAL, ARCHITECTURAL PLANNING
554 Calle Perseus, Suite 2-3, San Juan, P.R. 00920 Tel: (787) 763-0290

Application ID: PR-ESP-00144

Project (PR-ESP-00144) Location: Area of Potential Effect Map

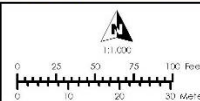
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- CRIM-Parcel
- Area of Potential Effect
- CRIM Parcels
- Traditional Urban Centers - TUC



Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdppc/>

Case ID: PR-ESP-00144

City: Juana Díaz

Project (Parcel) Location - Aerial Map

BYA BEHAR-YBARRA AND ASSOCIATES LLC
ENGINEERING • ENVIRONMENTAL • ARCHITECTURE • PLANNING
554 Calle Perseus, Suite 103, San Juan, P.R. 00920 Tel: (787) 763-0200

Application ID: PR-ESP-00144

Project (PR-ESP-00144) Location: Aerial Map

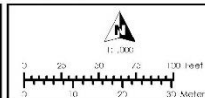
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- CRIM Parcels
- Traditional Urban Centers - TUC



Service Layer Credits:
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Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpa/>

Case ID: PR-ESP-00144

City: Juana Díaz

Project (Parcel) Location - USGS Topographic Map

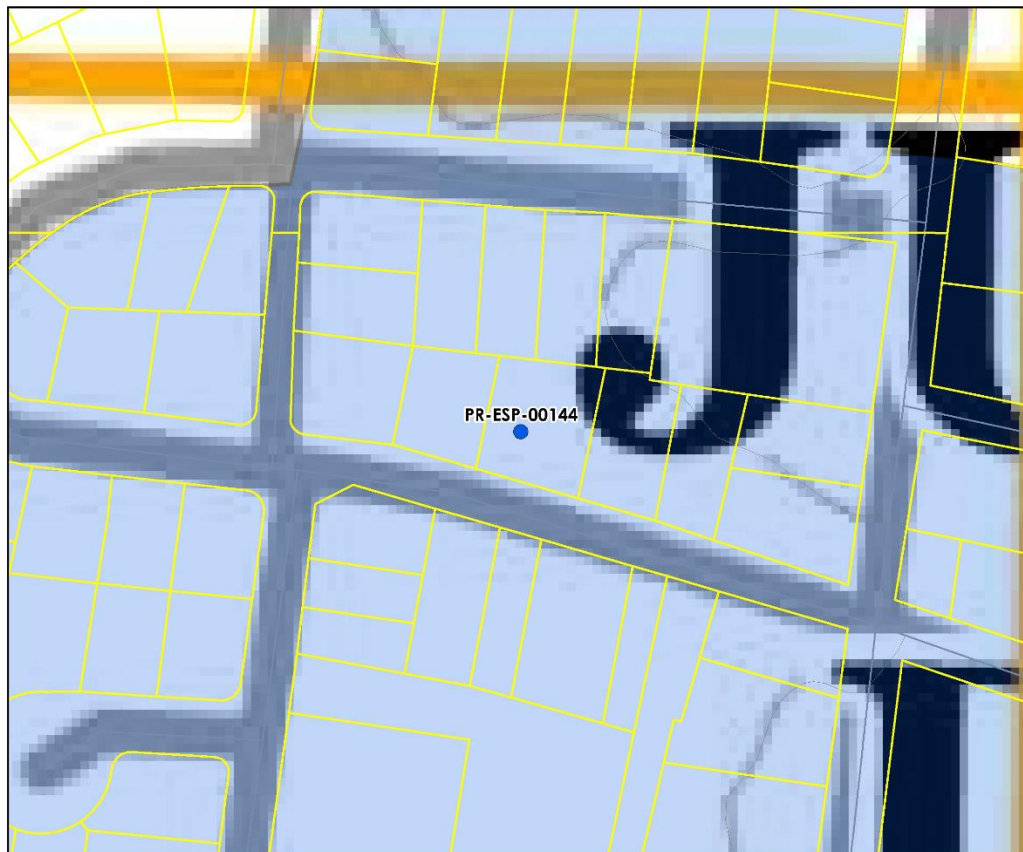
BYA BEHAR-YBARRA AND ASSOCIATES LLC
ARCHITECTURE - ENVIRONMENTAL - PLANNING
354 Calle Persero, Suite 4-3, San Juan, P.R. 00920 Tel: (787) 763-0290

Application ID: PR-ESP-00144

Project (PR-ESP-00144) Location: Topographic Map

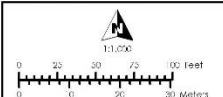
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- CRIM Parcels
- Contour Interval 20 Feet
- Traditional Urban Centers - TUC



Service Layer Credits: Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth

Source:
United States Geological Survey (USGS)
National Geographic Map Database
https://ngmdb.usgs.gov/ngmdb/ngmdb_home.htm

Case ID: PR-ESP-00144

City: Juana Díaz

Project (Parcel) Location with Recorded Historic Properties - Aerial Map (as listed in page 3)

BYA BEHAR-YBARRA AND ASSOCIATES LLC
ENGINEERING - ENVIRONMENTAL - ARCHITECTURE - PLANNING
554 Calle Perseus, Suite 2-3, San Juan, P.R. 00920 Tel: (787) 783-0290

Application ID: PR-ESP-00144

Project (PR-ESP-00144) Location with Recorded Historic Properties: Aerial Map

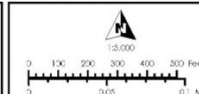
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- Buffer (0.25 Mile)
- Traditional Urban Centers - TUC



Service Layer Credits:
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:
Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

Case ID: PR-ESP-00144

City: Juana Díaz

Project (Parcel) Location with Recorded Historic Properties - USGS Topographic Map (as listed in p. 3)

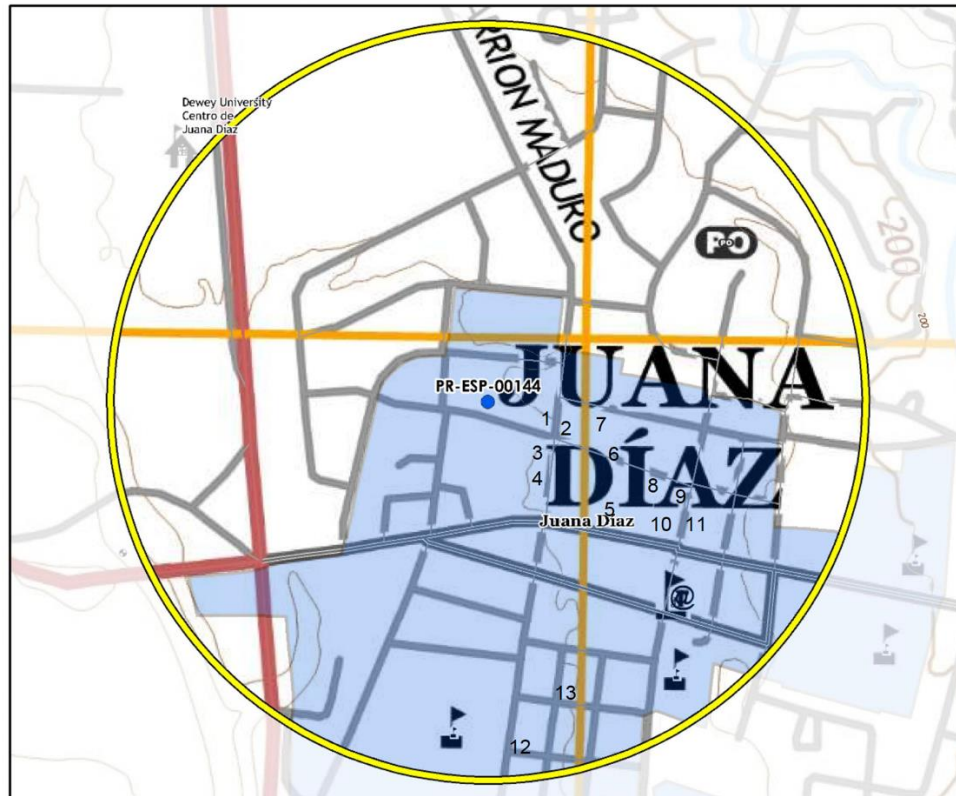
BYA BEHAR-YBARRA AND ASSOCIATES LLC
ENGINEERING - ENVIRONMENTAL - ARCHITECTURE - PLANNING
854 Calle Ponce, Suite 103, San Juan, P.R. 00920 Tel: (787) 763-0270

Application ID: PR-ESP-00144

**Project (PR-ESP-00144) Location with Recorded
Historic Properties: USGS Topographic Map**

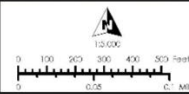
Electrical Power Reliability and Resilience Program (ER2)

Poetas Catering Corp
19 Calle Degetau,
Juana Díaz PR 00795
Catastro: 366-029-127-13-001
Lat: 18.053913, Lon: -66.507057



Legend:

- PR-ESP-00144
- Buffer (0.25 Mile)
- Traditional Urban Centers - TUC
- Contour Interval 20 Feet



Service Layer Credits: Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth

Sources:
United States Geological Survey (USGS)
National Geographic Map Database
https://ngmdb.usgs.gov/ngmdb/ngmdb_frame.html

Case ID: PR-ESP-00144

City: Juana Díaz



Photo #: 001

Description (include direction): Front Elevation looking North

Date: 3/19/2025



Photo #: 002

Description (include direction): Left elevation looking North

Date: 3/19/2025

Case ID: PR-ESP-00144

City: Juana Díaz



Photo #: 003

Description (include direction): Right elevation looking North

Date: 3/19/2025



Photo #: 004

Description (include direction): Rear elevation looking East

Date: 3/19/2025

Case ID: PR-ESP-00144

City: Juana Díaz



Photo #: 005

Description (include direction): Streetscape view looking East

Date: 3/19/2025



Photo #: 006

Description (include direction): Streetscape view looking West

Date: 3/19/2025

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)

Section 106 NHPA Effect Determination – Historic Property Architectural Form



Case ID: PR-ESP-00144

City: Juana Díaz



Photo #: 007

Description (include direction): Proposed battery storage system and inverter location

Date: 3/19/2025