



**U.S. Department of Housing and Urban  
Development**

451 Seventh Street, SW  
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-00163 La Tortuga Bistro Bar

**Responsible Entity:** Puerto Rico Department of Housing

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

**State/Local Identifier:** Puerto Rico / San Juan, PR

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**Project Location:** 50 San Jose esquina San Sebastian, San Juan PR, 00901  
Coordinates: 18.467164, -66.117648  
Parcel cadastral: 022-092-017-09-001

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

The subject property is a commercial building located in San Juan, PR serving as a bar/restaurant. The project is located at 50 San Jose esquina San Sebastian, San Juan PR, 00901, Latitude: 18.467164, Longitude: -66.117648. 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 residences and commercial buildings. The road with access to the building is Calle de San Sebastian.

A field visit was conducted on March 7, 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 20 Solar Panels (535 Watts) and three Enphase Energy System IQ 5P batteries, 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**

<b>Grant Number</b>	<b>HUD Program</b>	<b>Funding Amount</b>
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 – <b>\$1,316,406,180.00.</b>

**Estimated Total HUD Funded Amount:** \$25,617.00

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$42,695.00

**Privately funded by the applicant:** \$17,078.00

## **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.

<b>Compliance Factors:</b> Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 &amp; 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>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 5,710 feet from the nearest civil airport, Fernando Ribas Dominicci in San Juan and 36,839 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.</p> <p>Refer to Airports Map Zone, Figure 2 included in Appendix 1.</p>
<b>Coastal Barrier Resources</b>  Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>This project is not located in a CBRS Unit. The project is located 18,702 feet east of the nearest Coastal Barrier Resource System, PR-86P. Therefore, this project has no potential to impact on a CBRS Unit and is in compliance with the Coastal Barrier Resources Act.</p> <p>Refer to Coastal Barrier Resource System Map, Figure 3 included in Appendix 1.</p>
<b>Flood Insurance</b>  Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>As per FEMA's FIRM Panel 72000C0355J, 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.</p>

		Refer to Flood Insurance Rate Map, Figure 4 included in Appendix 1.
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 &amp; 58.5</b>		
<p><b>Clean Air</b></p> <p>Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project is located within a non-attainment area in a non-attainment municipality for SO<sub>2</sub>. 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, located in the Municipio of San Juan. 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).</p> <p>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.</p> <p>See attached published list of Puerto Rico Nonattainment/Maintenance Status for each country by year for all criteria pollutants in Appendix 4.</p> <p>Refer to Clean Air Map, Figure 5 included in Appendix 1.</p>
<p><b>Coastal Zone Management</b></p> <p>Coastal Zone Management Act, sections 307(c) &amp; (d)</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project is located within a Coastal Zone Management Area; however, it has been deemed to have no significant impact and will</p>

		<p>not require federal consistency review. This project includes the installation of a photovoltaic (solar) panel system and appurtenant storage system (batteries) on the existing commercial building's roof and walls. Under the Federal Consistency Certification with the Puerto Rico Coastal Zone Management Program, Resolution JP-2024-004, these activities have been found to have no significant impact on Puerto Rico Coastal Resources and do not require Federal Consistency under the criteria A. 1.: Energy and water efficiency improvements for single-family homeowners, as well as small and medium-sized business, to enhance resilience. These improvements include the installation of renewable energy systems, such as photovoltaic modules, metering equipment, batteries, mounting and anchoring systems, and electrical accessories needed to create a function system on existing structure. This also includes PV systems with battery backup for critical loads and water storage systems on roofs or previously impacted areas.</p> <p>Therefore, the project 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.</p> <p>Refer to CZMA map, Figure 6 included in Appendix 1.</p> <p>See the Resolution JP-2024-004 dated July 24, 2024, as amended on June 11, 2025, for Puerto Rico Coastal Zone Management Program included in Appendix 8.</p>
<p><b>Contamination and Toxic Substances</b></p> <p>24 CFR Part 50.3(i) &amp; 58.5(i)(2)</p>	<p>Yes    No</p> <p><input checked="" type="checkbox"/>    <input type="checkbox"/></p>	<p>This project includes the installation of a photovoltaic (solar) panel system and appurtenant storage system (batteries) on the existing commercial building's roof. The project site was evaluated for potential contamination by conducting a field inspection on March 7, 2025, to identify any onsite hazards including, but not limited to, soil staining, above ground storage tanks,</p>

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 identifies a total of twenty-five sites located within 3,000 feet of the project area. Of these, twenty-three are registered as RCRA facilities—twenty-two with no violations and one with a documented violation. Additionally, three sites are registered as NPDES facilities, and one site is listed as an AIR facility.

USCG BASE SAN JUAN facility is listed a 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, the non-compliant site discharges based on the echo report to Laguna Tortuguero. This river is 106,197 feet from the project site. However, the nearby wetland to the project site is the North Coast of la Bahia de San Juan (see Wetlands Map, Figure 14 included in Appendix 1). These systems do not intersect or connect in any way. Bahia de San Juan is not listed in the 2024 Puerto Rico 305(b)/303(d) Integrated Report (Refer to Appendix 5). Additionally, based on the USGS elevation, the facility with the

noncompliance (USCG BASE SAN JUAN) is located at 0.49212601968504 feet of elevation, lower than the project site location, PR-ESP-00163 that is at 106.0156718472258 feet (USGS EPQS included in Appendix 5). Therefore, any 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.

The sites within 3,000 feet of the project area are:

- ARSENAL DE LA MARINA – INSTITUTO DE CULT, REGISTRY ID: 110020578579, 1 BO LA PUNTILLA OLD SAN JUAN – RCRAINFO – The site is active. No violations identified. 1,862 feet
- AUTORIDAD DE EDF PUBLICOS, REGISTRY ID: 110004889522, PASEO COVADONGA PARADA 1 – RCRAINFO – The site is inactive. No violations identified. 2,333 feet
- CARIBBEAN PETROLEUM LP - SS GULF 174, REGISTRY ID: 110004894963, 38 PONCE DE LEON AVE ESQ. STA ROSA DE LIMA – RCRAINFO – The site is inactive. No violations identified. 2,983 feet
- CARNIVAL DESTINY IMO#9070058, REGISTRY ID: 110012565820, PORT SAN JUAN PIER 4 & 6 – RCRAINFO – The site is active. No violations identified. 870 feet
- CVS PHARMACY #7979, REGISTRY ID: 110045989061, 105 GILBERTO CONCEPCION DE GRACIA – RCRAINFO – The site is active. No violations identified. 1,894 feet
- DEPT DE SALUD INST DE LABORATORIO, REGISTRY ID:

		<p>110060228506, ANTIGUO HOSP DE PSIQUIATRIA – RCRAINFO – The site is active. No violations identified. 580 feet</p> <ul style="list-style-type: none"> <li>• DEPT OF ED – CENTRAL HIGH SCHOOL, REGISTRY ID: 110004891635, AVE PONCE DE LEON PARADA 20 – RCRAINFO – The site is inactive. No violations identified. 2,800 feet</li> <li>• EMILIO BARBOSA VELEZ INC, REGISTRY ID: 110007823285, MERCADO CTRL EDIF C OF 4 – RCRAINFO – The site is inactive. No violations identified. 220 feet</li> <li>• ESSO STANDARD OIL CO - PR CO-005, REGISTRY ID: 110004893143, AVE PONCE DE LEON PARADA 5 – RCRAINFO – The site is active. No violations identified. 2,647 feet</li> <li>• HOSPITAL AUXILIO MUTUO, REGISTRY ID: 110004889844, AVE PONCE DE LEON STOP 37 – RCRAINFO – The site is active. No violations identified. 2,972 feet</li> <li>• HURRICANE REBUILD PHASES I AND II, REGISTRY ID: 110071427849, LA PUNTILLA STREET – NPDES – The site permit is effective. Non-Major: General Permit Covered Facility. 2,536 feet</li> <li>• INSTITUTO DE CULTURA, REGISTRY ID: 110039558653, BENEFICIENCIA ST OLD SAN JUAN – RCRAINFO – The site is inactive. No violations identified. 548 feet</li> <li>• JOSE V. TOLEDO US POST OFFICE AND COURTHOUSE, REGISTRY ID: 110006869022, COMERCIO &amp; TANCA ST – RCRAINFO – The site is inactive. No violations identified. 1,708 feet</li> <li>• KODAK RAHOLA, REGISTRY ID: 110000854111, AVE PONCE DE</li> </ul>
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		<p>The site is inactive. No violations identified. 500 feet</p> <ul style="list-style-type: none"> <li>• US FEDERAL BANKRUPTCY COURT, REGISTRY ID: 110012267028, 300 C. RECINTO SUR – RCRAINFO – The site is inactive. No violations identified. 1,634 feet</li> <li>• USCG BASE SAN JUAN, REGISTRY ID: 110070382597, 5 LA PUNTILLA STREET (FINAL) – NPDES – The site permit is effective. Violations identified. Significant/Category I Noncompliance. 2,863 feet</li> <li>• WALGREENS #169, REGISTRY ID: 110066978113, 201 LA CRUZ &amp; SAN FRANCISCO – RCRAINFO – The site is active. No violations identified. 764 feet</li> </ul> <p>Refer to the ECHO Reports included in Appendix 5.</p> <p>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 January 1, 1978. The subject property was built in circa 1920; therefore, it is required to perform a screen for lead-based paint prior to starting the work.</p> <ul style="list-style-type: none"> <li>• The work must be performed by RRP Certified Renovation Firm.</li> <li>• At least one RRP-Certified Renovator must be at the job site or available when work is being done.</li> <li>• Workers at the job site must receive on-the-job training from the Certified Renovator.</li> </ul>
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- 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 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 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-23-103. 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.
<p><b>Endangered Species</b></p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>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>), Black-capped Petrel (<i>Pterodroma hasitata</i>) and Roseate Tern (<i>Sterna dougallii dougallii</i>) could be found in the project area. The scope of work includes the installation of a photovoltaic (solar) panel system and appurtenant storage system (batteries) on the existing commercial building's roof. Since the work to be carried out is limited to the roof 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 7, 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.</p> <p>The species Black-capped Petrel and Roseate Tern were not addressed in the Dkey responses but based on the Field visit carried out on March 7, 2025, the Black-capped Petrel and Roseate Tern were not observed in the project site vicinity. Nonetheless, it was concluded that the project would have 'No Effect' determination on the species, as all proposed improvements will be limited to the roof, floors, and walls of the existing building. There will be no ground disturbance, vegetation clearing, or tree removal associated with the project, and the area is fully developed and does not contain a suitable habitat for the species.</p>

		<p>The nearest Critical Habitat is 28,706 feet from the project site. USFWS NE Memo package was submitted on May 8, 2025, and the Agency response was received on May 15, 2025. The project is in compliance with the Endangered Species Act of 1973.</p> <p>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. <a href="https://ipac.ecosphere.fws.gov/guideline/desi/gn/population/156/office/41430.pdf">https://ipac.ecosphere.fws.gov/guideline/desi/gn/population/156/office/41430.pdf</a></p> <p>Refer to Threatened and Endangered Species Map, Figure 8 included in Appendix 1.</p> <p>See USFWS “No Effect” Memo and supporting documentation in Appendix 6.</p>
<p><b>Explosive and Flammable Hazards</b></p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No  <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project includes the installation of photovoltaic (solar) panel system and appurtenant storage system (batteries) on the existing commercial building’s roof and will not result in increased densities, conversion to residential uses, or making a vacant building habitable.</p> <p>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.</p>
<p><b>Farmlands Protection</b></p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No  <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>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 an area designated as Not prime farmland. The project is in compliance with the Farmland Protection Policy Act.</p>

		Refer to Farmland Protection Map, Figure 9 included in Appendix 1.
<p><b>Floodplain Management</b></p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>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 San Juan. However, PFIRM information is not available for the area and considered in the review.</p> <p>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.</p> <p>Refer to Advisory Base Flood Elevation Map, Figure 10 and Preliminary FIRM Figure 11, included in Appendix 1.</p>
<p><b>Historic Preservation</b></p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes    No</p> <p><input checked="" type="checkbox"/>    <input type="checkbox"/></p>	<p>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 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 San Juan Historic District and was built circa 1920. In response from PR SHPO dated October 15, 2025, SHPO concurred with a finding of "No Adverse Effect" upon historic properties, conditioned that, when installed, the PVS/BSS shall remain not visible or will be minimally</p>

		<p>visible from the street to be consistent with the related Secretary of the Interior's Standards, Guidelines, and Technical Briefs.</p> <p>Therefore, this activity is in compliance with the National Historic Preservation Act.</p> <p>Refer to Historic Preservation Map, Figure 12 included in Appendix 1.</p>
<p><b>Noise Abatement and Control</b></p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>This project includes the installation of a photovoltaic (solar) panel system and appurtenant storage system (batteries) on the existing commercial building's roof. 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.</p> <p>Refer to Noise Abatement and Control Map, Figure 13 included in Appendix 1.</p>
<p><b>Sole Source Aquifers</b></p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>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.</p> <p>Refer to Sole Source Aquifer Map, Figure 14 included in Appendix 1.</p>
<p><b>Wetlands Protection</b></p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>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 717 feet from the Project Site. The project does not have the potential to impact wetlands. The project is in compliance with E.O. 11990.</p>

		Refer to Wetlands Map, Figure 15 included in Appendix 1.
<b>Wild and Scenic Rivers</b>  Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not within proximity of the NWSRS river. The project is located 128,531 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.

**Field Inspection:** March 7, 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
<b>Contamination and Toxic Substances</b> 24 CFR Part 50.3(i) & 58.5(i)(2)	The subject property was built circa 1920; therefore, it is required to perform a screen for lead-based paint prior to starting the work. <ul style="list-style-type: none"> <li>• The work must be performed by RRP Certified Renovation Firm.</li> <li>• At least one RRP-Certified Renovator must be at the job site or available when work is being done.</li> <li>• Workers at the job site must receive on-the-job training from the Certified Renovator.</li> <li>• Lead Safe Work Practices are recommended if paint disturbance is "di minimis".</li> <li>• Lead Safe Work Practices are required if paint disturbance exceeds "di minimis" but not EPA's minor repair and maintenance threshold.</li> <li>• Property Risk Assessment and abatement of all lead-based paint hazards is required prior to</li> </ul>

	commencing work if paint disturbance is significant.
<b>Historic Preservation</b> 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: 11/12/2025

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

Responsible Entity Agency Official Signature:

Date: 12/02/2025

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**

<b>Appendix Number</b>	<b>Appendix Description</b>
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
6	USFWS “No Effect” Memo and supporting documentation
7	Section 106 Programmatic Agreement Allowance Analysis Form
8	Resolution JP-2024-004 dated July 24, 2024, as amended on June 11, 2025, for Puerto Rico Coastal Zone Management Program

## Appendix 1: Figures

**List of Figures**

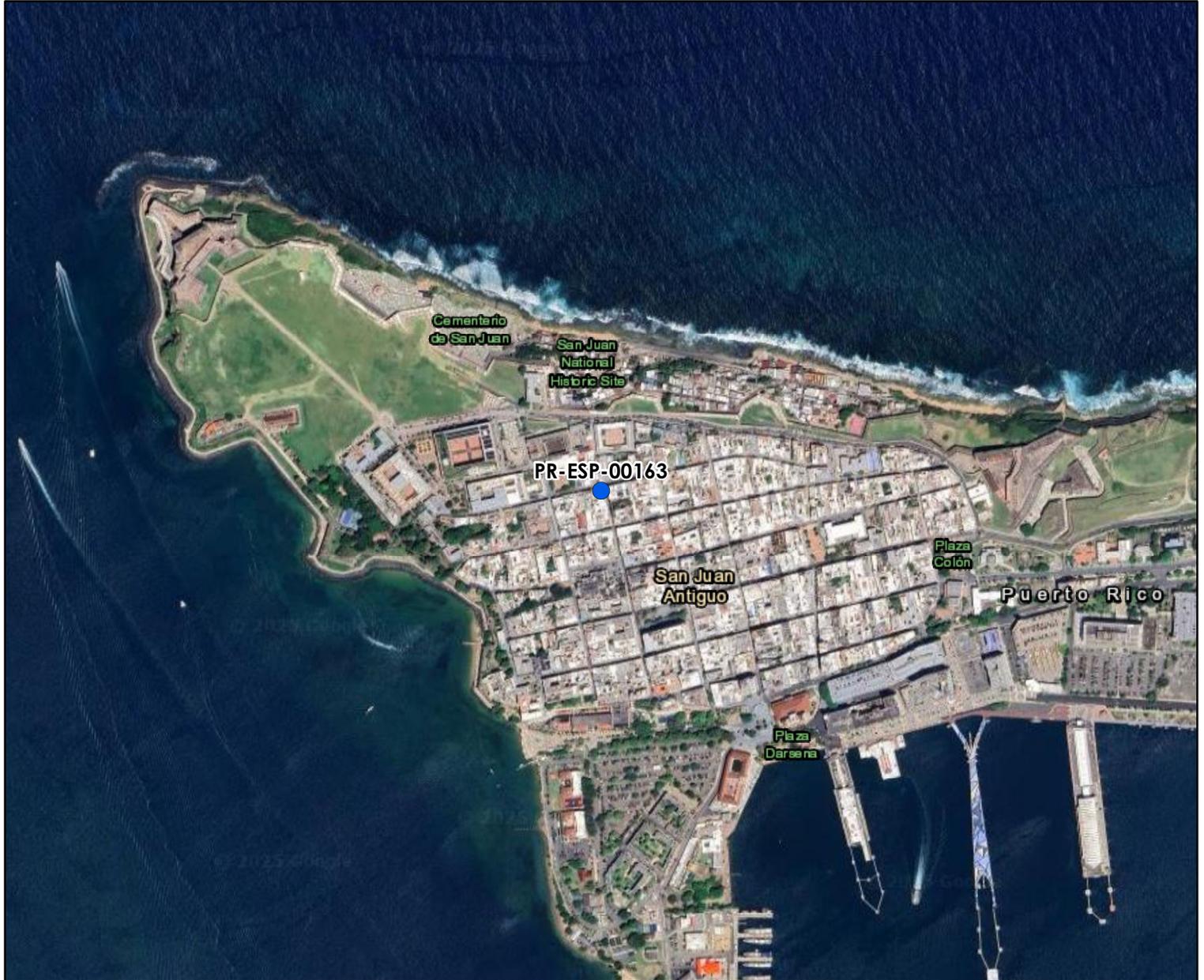
<b>Figure Number</b>	<b>Appendix 1 Description</b>
1	Location: Aerial Map
2	Airports Map
3	Coastal Barrier Resource System Map
4	Flood Insurance Rate Map
5	Clean Air Map
6	Coastal Zone Management Map
7	Toxic and Hazardous Facilities Map
8	Threatened and Endangered Species Map
9	Farmland Protection Map
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

La Tortuga Bistró Bar  
50 San José  
Esquina San Sebastian,  
San Juan PR 00901  
Catastro: 022-092-017-09-001  
Lat: 18.467164, Lon: -66.117648

Figure 1

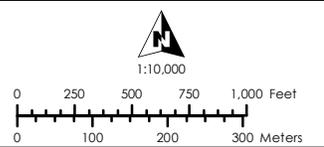
# Location: Aerial Map

Electrical Power Reliability and Resilience Program (ER2)



## Legend:

● PR-ESP-00163

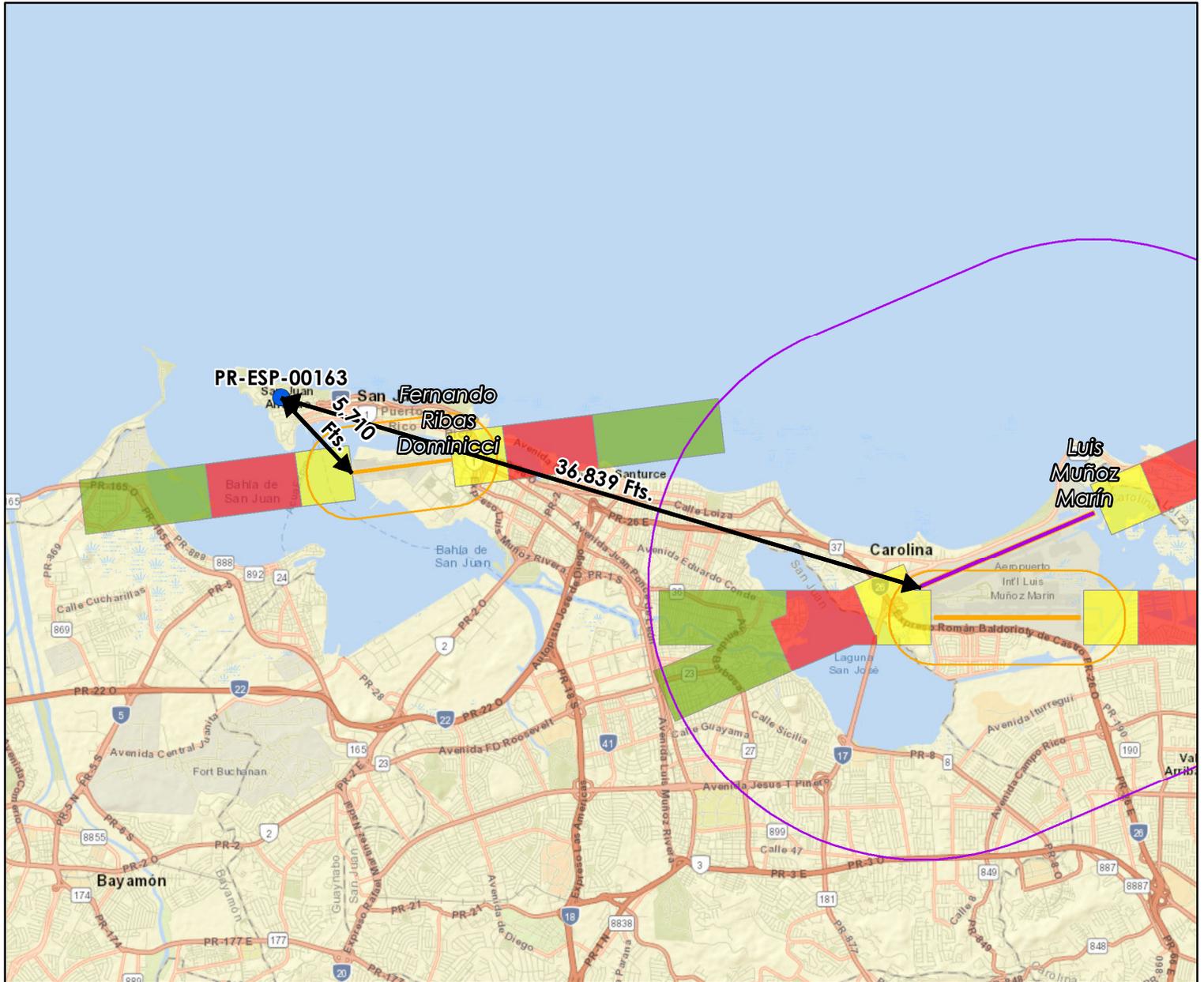


Service Layer Credits:  
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:  
Centro de Recaudación de Ingresos Municipales (CRIM)  
<https://catastro.crimpr.net/cdprpc/>

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 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 2  
**Airports Map**  
 Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- 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

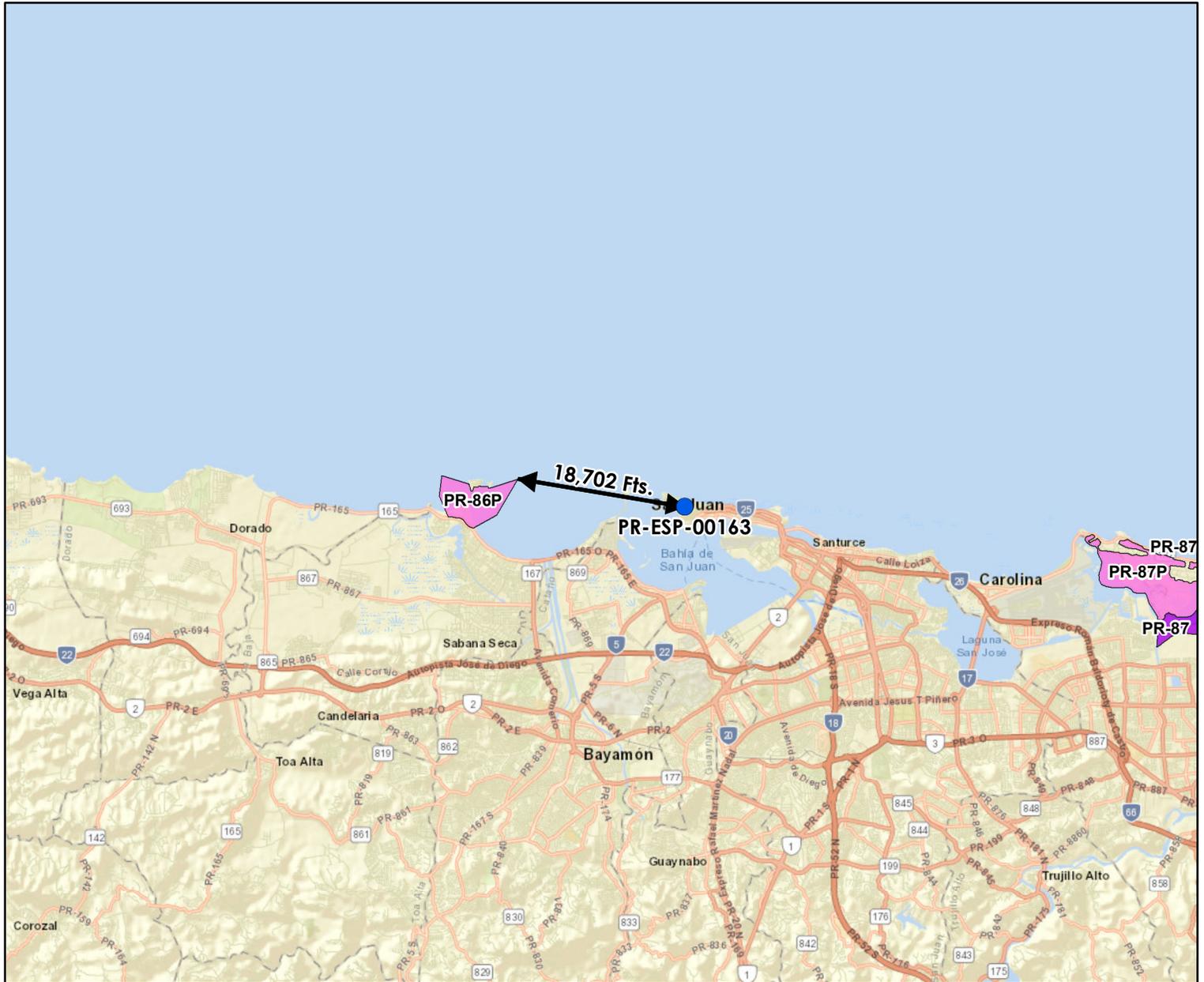
1:100,000

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>

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 3  
**Coastal Barrier Resource System Map**  
 Electrical Power Reliability and Resilience Program (ER2)

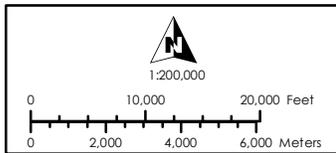


**Legend:**

- PR-ESP-00163

**Coastal Barrier Resources System**

- Otherwise Protected Area
- System Unit

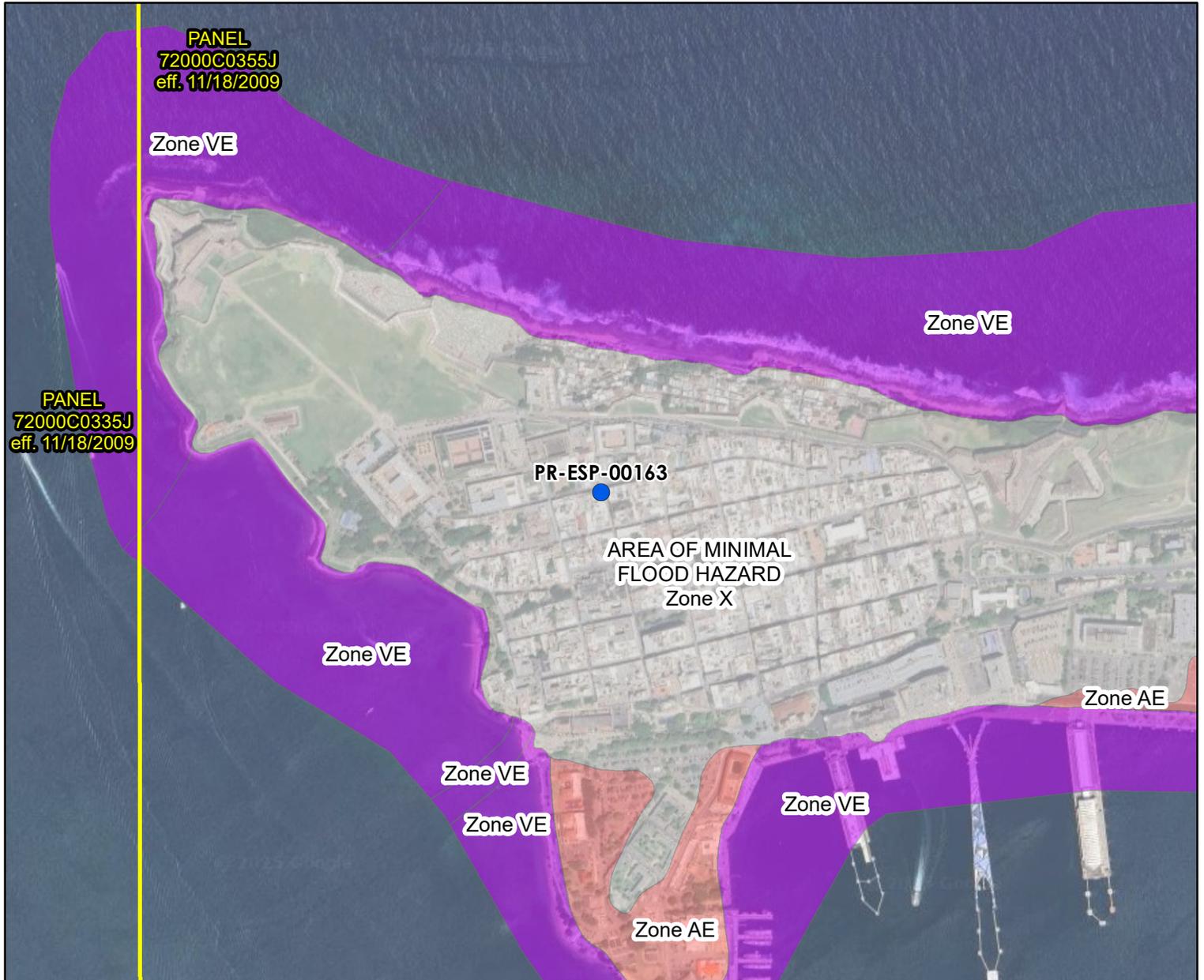


Service Layer Credits:  
 Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community  
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

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

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 50 San José  
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 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 4  
**Flood Insurance Rate Map**  
 Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- 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

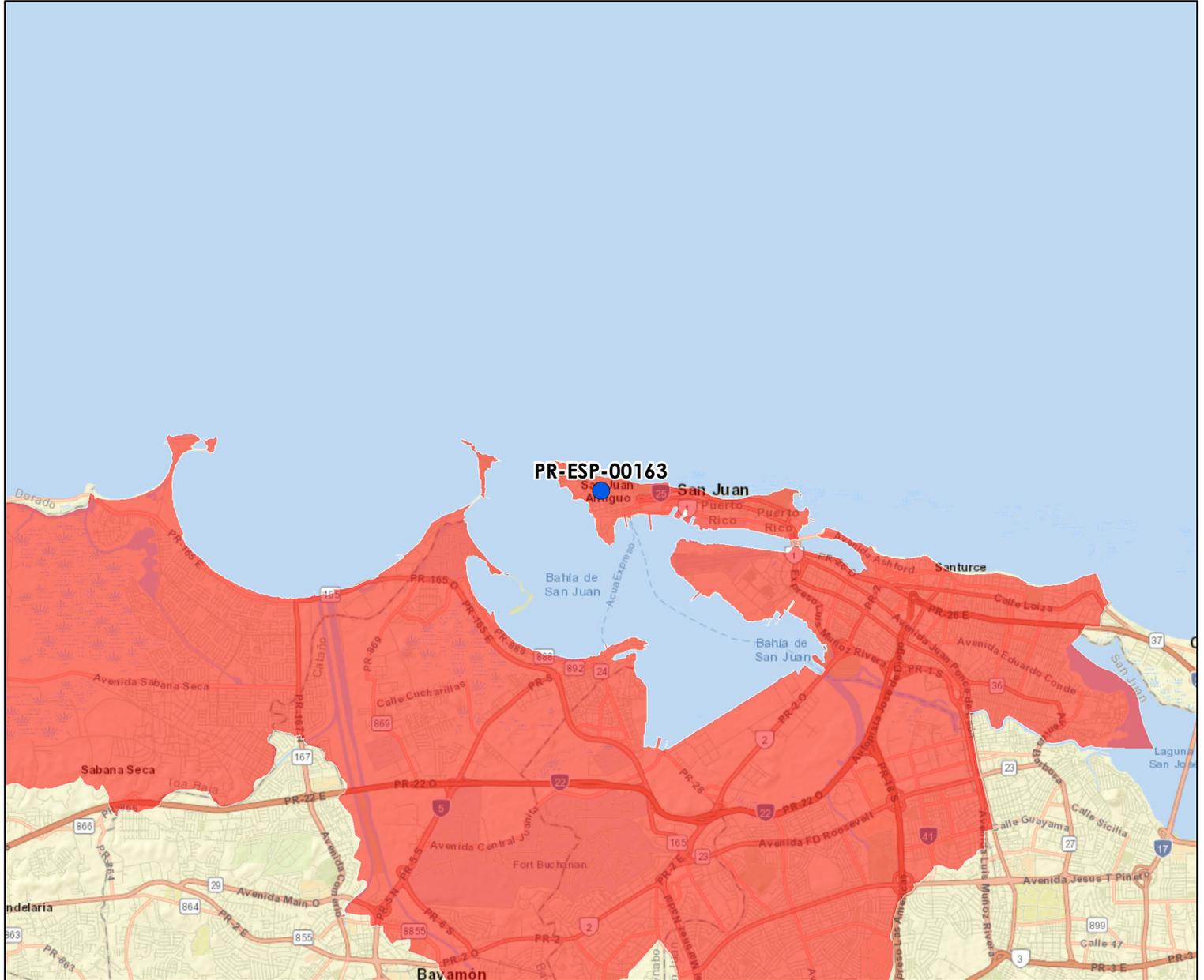
1:10,000  
 0 250 500 750 1,000 Feet  
 0 100 200 300 Meters

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)

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 Lat: 18.467164, Lon: -66.117648



**Legend:**

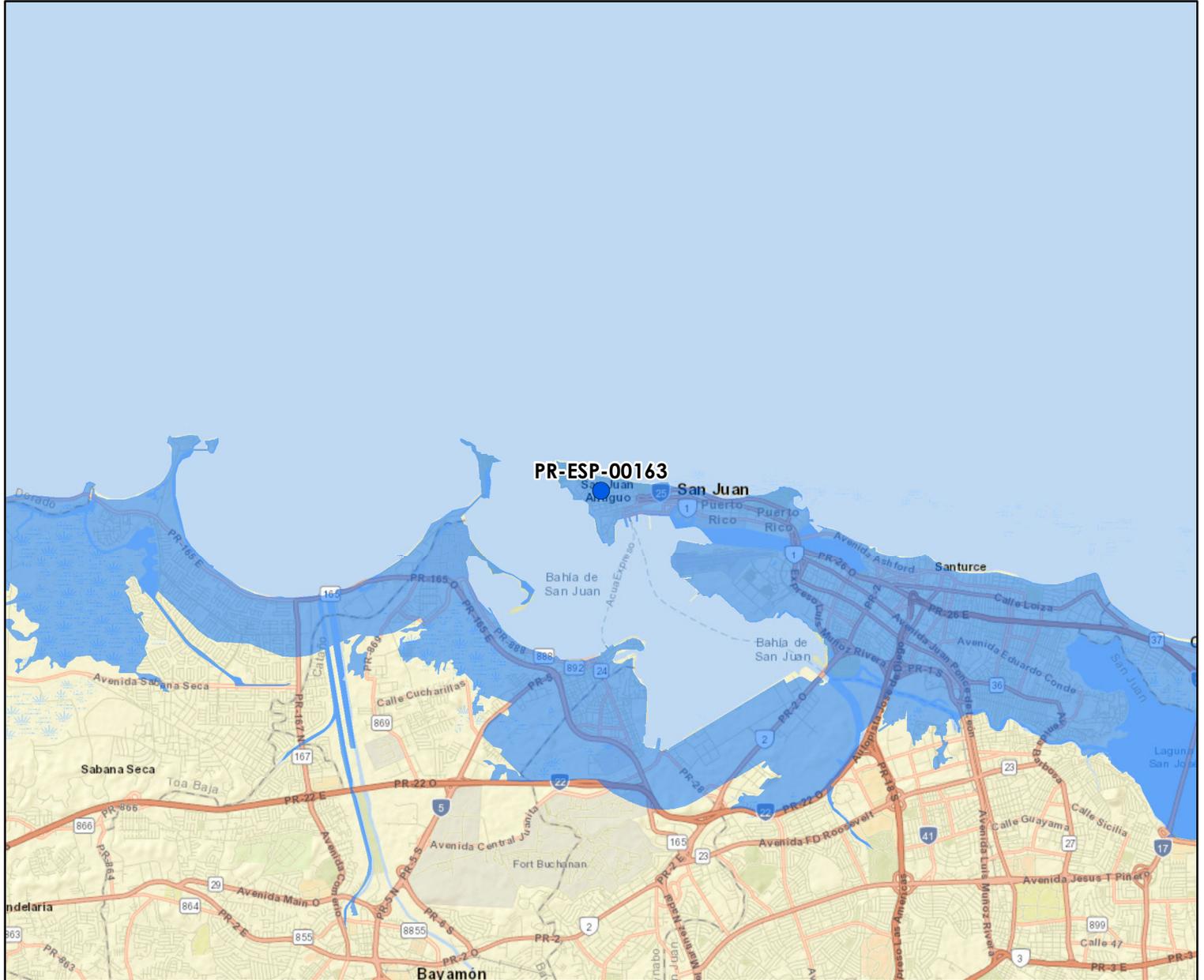
- PR-ESP-00163
- Clean Air Areas - SO2
- Clean Air Areas - Lead

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>

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 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 6  
**Coastal Zone Management Map**  
 Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- Coastal Zone Management Act Boundary

1:100,000

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>

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 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 7  
**Toxic and Hazardous Facilities Map**  
 Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

	PR-ESP-00163		NPDES - Major
	Buffer (500 Fts.)		RADINFO
	Buffer (3,000 Fts.)		RCRA
	AIR		RCRA - Active
	NPDES		RCRA - Inactive
			TRI

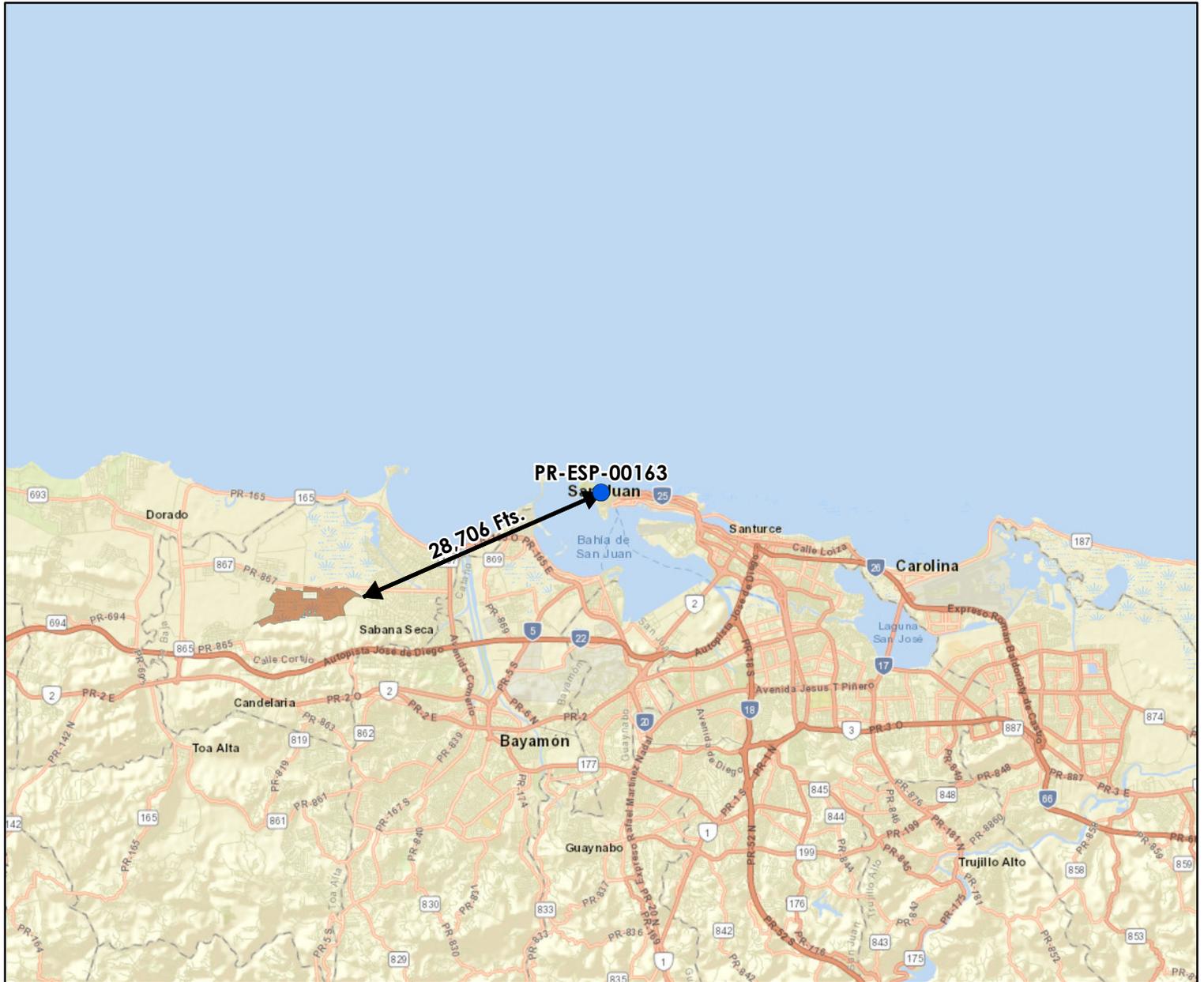
1:12,000  
 0 250 500 750 1,000 1,250 Feet  
 0 100 200 300 400 Meters

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

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

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 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

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



**Legend:**

- PR-ESP-00163
- Critical Habitat

1:200,000  
 0 10,000 20,000 Feet  
 0 2,000 4,000 6,000 Meters

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/>

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 50 San José  
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 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 9  
**Farmland Protection**  
 Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163

**Farm Class**

- All areas are prime farmland
- Farmland of statewide importance
- Not prime farmland
- Prime farmland if drained

1:100,000

0 2,500 5,000 7,500 10,000 Feet

0 1,000 2,000 3,000 Meters

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

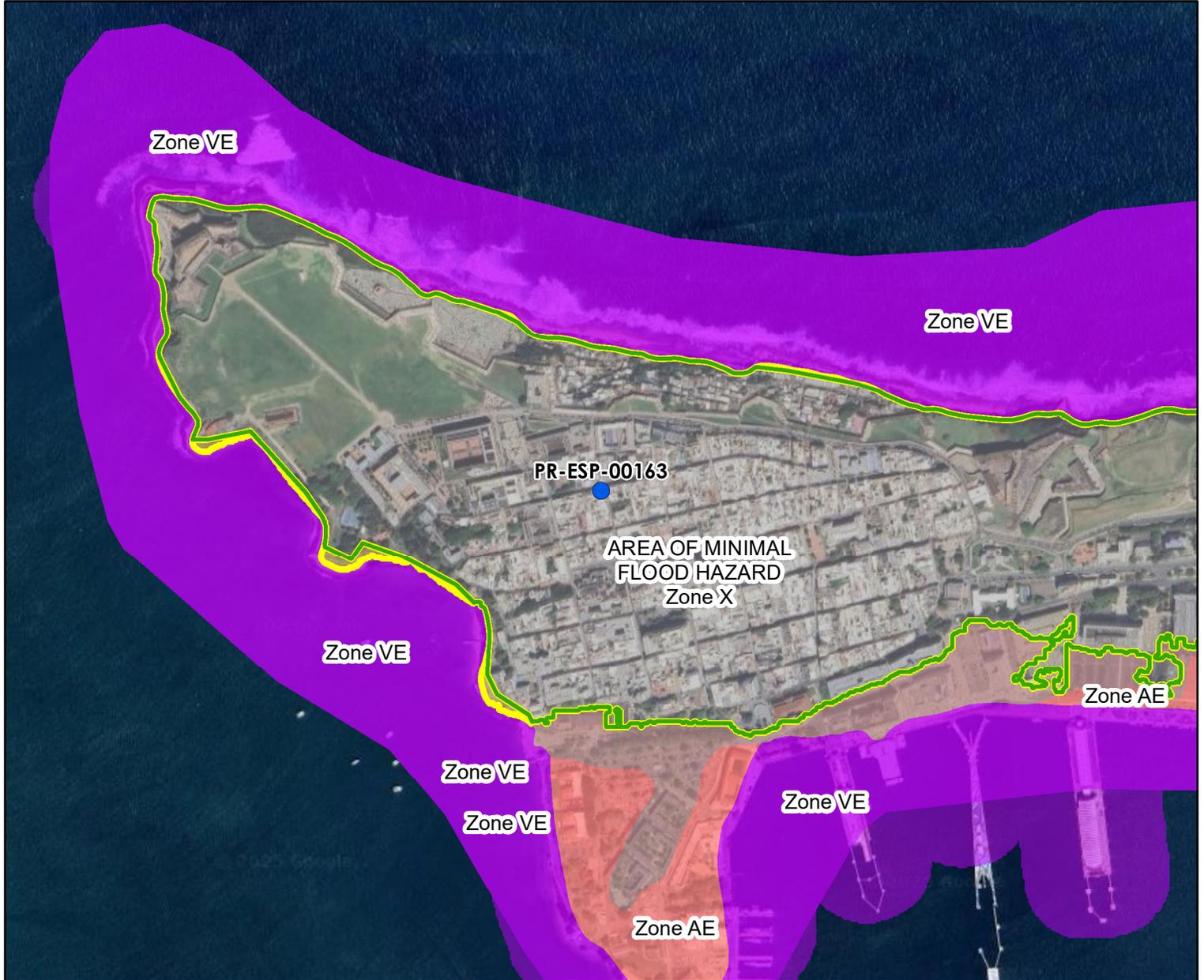
Source:  
 Underground Storage Tanks (USTs)  
<https://www.epa.gov/ust>

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 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 10

# Advisory Base Flood Elevation Map

Electrical Power Reliability and Resilience Program (ER2)



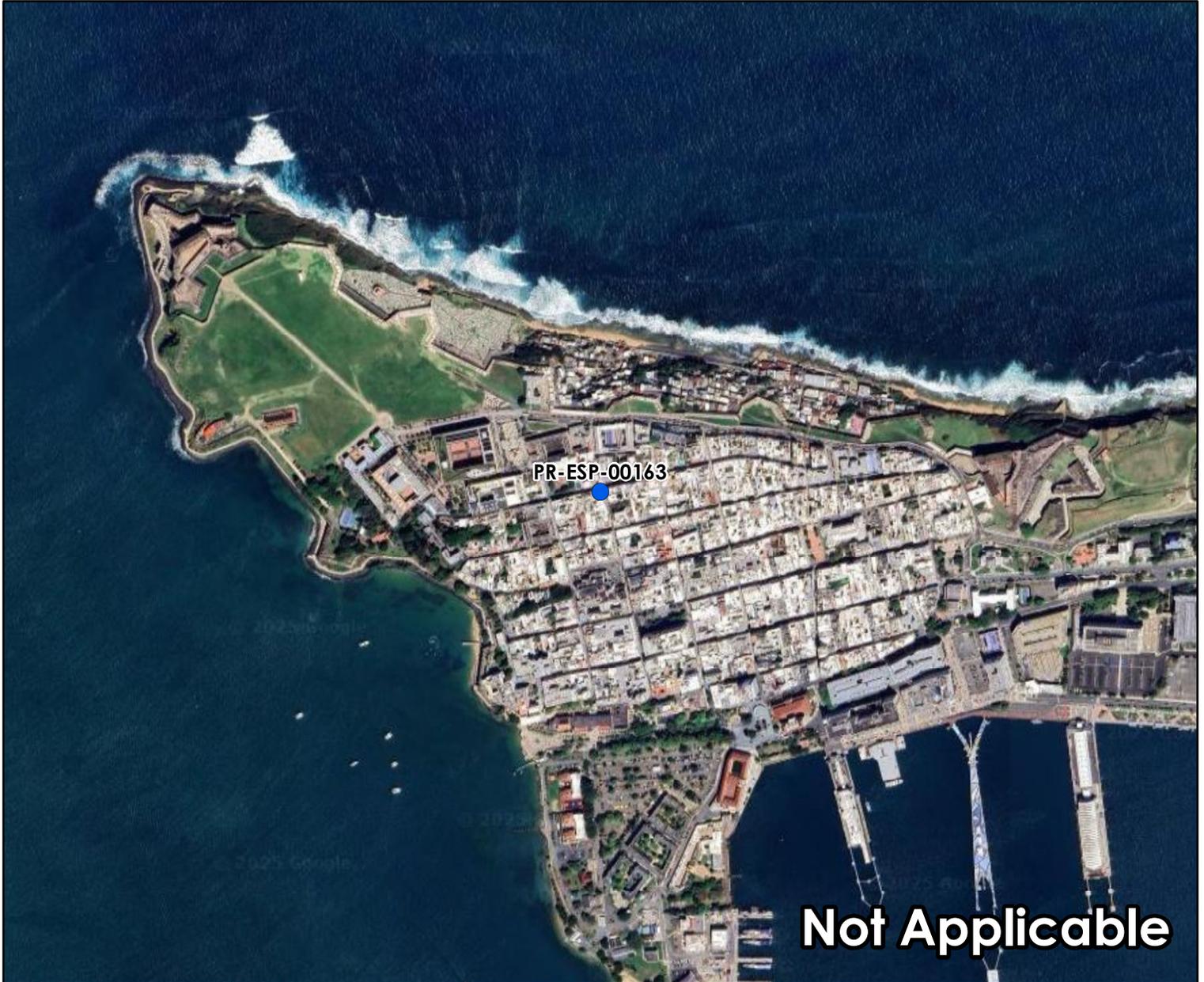
<p><b>Legend:</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">●</span> PR-ESP-00163</li> <li><span style="border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> Area Potential Effect (Building Footprint)</li> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> CRIM-Parcel</li> <li><span style="border-bottom: 1px solid red; display: inline-block; width: 20px;"></span> Advisory Base Flood Elevations (ABFE)</li> <li><span style="border-bottom: 1px solid green; display: inline-block; width: 20px;"></span> 0.2 % Annual Chance Flood</li> <li><span style="border-bottom: 1px solid yellow; display: inline-block; width: 20px;"></span> 1 % Annual Chance Flood</li> </ul>		<p><b>Flood Zone</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue;"></span> Zone A</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightcoral;"></span> Zone AE</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen;"></span> Zone AO</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: purple;"></span> Zone VE</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: gray;"></span> Zone X - Area of Minimal Flood Hazard</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: orange;"></span> 0.2 % Annual Chance Flood</li> <li><span style="display: inline-block; width: 15px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, gray 2px, gray 4px);"></span> Floodway</li> </ul>	
		<p>Scale: 1:10,000                  0 250 500 750 1,000 Feet                  0 100 200 300 Meters</p>	
		<p>Service Layer Credits:                  Esri, Garmin, GEBCO, NOAA NGDC, and other contributors</p> <p>Source:                  Federal Emergency Management Agency (FEMA), <a href="https://gis-r2-fema.hub.arcgis.com/">https://gis-r2-fema.hub.arcgis.com/</a>                  Junta de Planificación de Puerto Rico (JP), <a href="https://maps.jp.pr.gov/Mapas de Niveles de Inundacion Base Recomendados">https://maps.jp.pr.gov/Mapas de Niveles de Inundacion Base Recomendados</a></p>	

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 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 11

# Preliminary Flood Insurance Rate Map

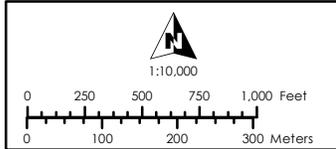
Electrical Power Reliability and Resilience Program (ER2)



**Not Applicable**

**Legend:**

- |  |   |
|--|---|
|  PR-ESP-00163                             |  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>

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 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 12

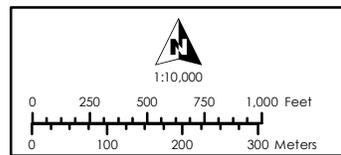
# Historic Preservation Map

Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

	PR-ESP-00163		Historic Centers
	Buffer (0.5 Mile)		Cultural Resource District
	Cultural Resource Building		Sensitive Archaeological Zones
	Cultural Resource Structure		Archaeological Resource Zones
	Cultural Resource Object		Historic Communities
	Cultural Resource Site		Traditional Urban Center



Service Layer Credits:  
 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>

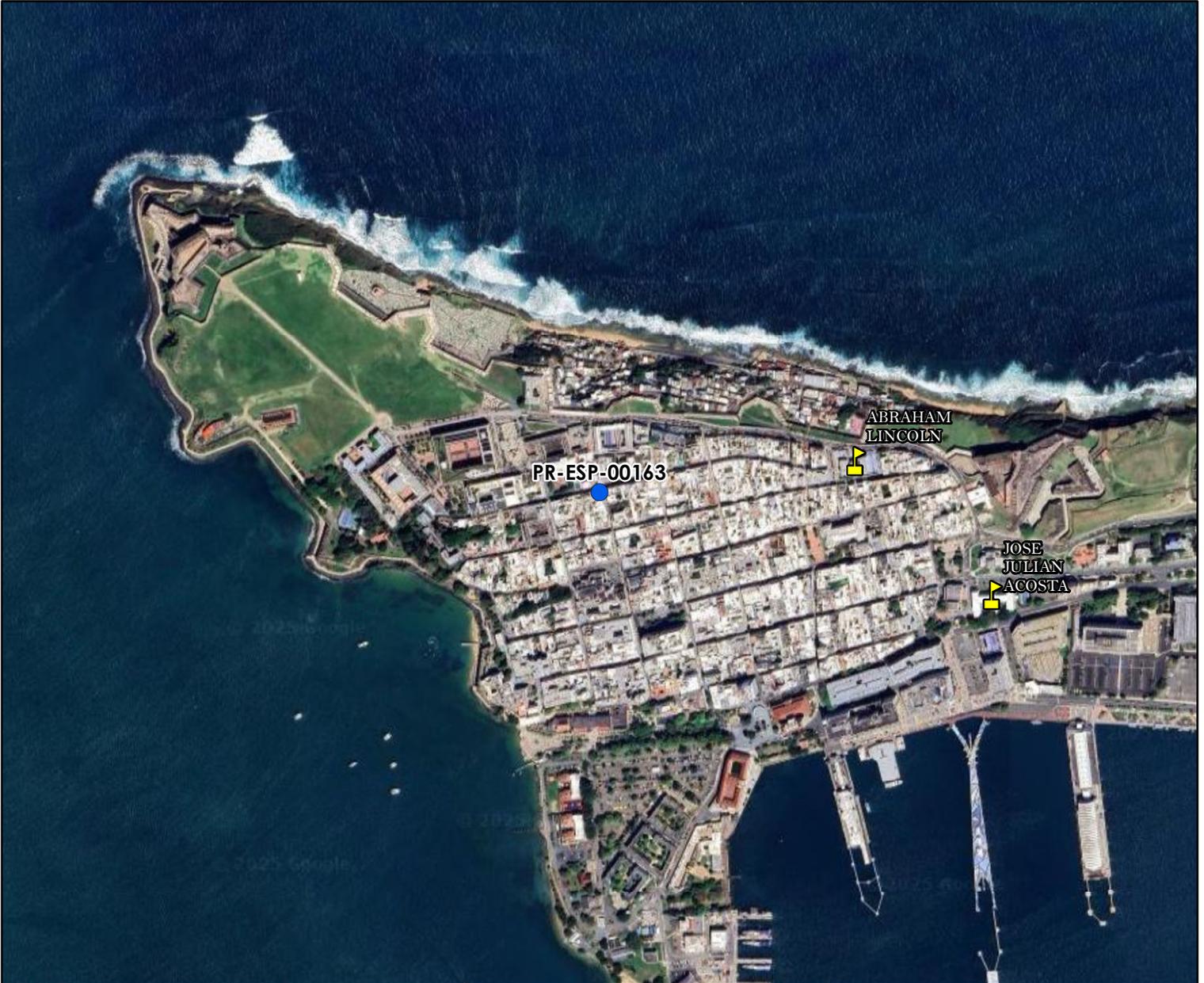
La Tortuga Bistró Bar  
50 San José  
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San Juan PR 00901

Figure 13

# Noise Abatement and Control Map

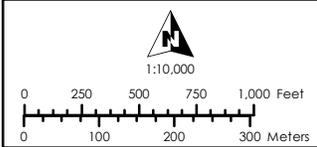
Electrical Power Reliability and Resilience Program (ER2)

Catastro: 022-092-017-09-001  
Lat: 18.467164, Lon: -66.117648



## Legend:

-  PR-ESP-00163
-  University
-  School
-  Hospital
-  Emergency Hospital



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

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

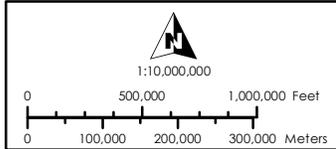
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50 San José  
Esquina San Sebastian,  
San Juan PR 00901  
Catastro: 022-092-017-09-001  
Lat: 18.467164, Lon: -66.117648

Figure 14  
**EPA Sole Source Aquifers**  
Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

-  PR-ESP-00163
-  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>

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 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 15

# Wetlands Map

Electrical Power Reliability and Resilience Program (ER2)

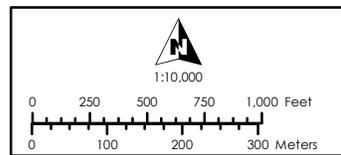


**Legend:**

- PR-ESP-00163

**National Wetlands Inventory**

<span style="display: inline-block; width: 15px; height: 15px; background-color: #008080; border: 1px solid black;"></span> Estuarine and Marine Deepwater	<span style="display: inline-block; width: 15px; height: 15px; background-color: #ADD8E6; border: 1px solid black;"></span> Freshwater Pond
<span style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black;"></span> Estuarine and Marine Wetland	<span style="display: inline-block; width: 15px; height: 15px; background-color: #4169E1; border: 1px solid black;"></span> Lake
<span style="display: inline-block; width: 15px; height: 15px; background-color: #9ACD32; border: 1px solid black;"></span> Freshwater Emergent Wetland	<span style="display: inline-block; width: 15px; height: 15px; background-color: #1E90FF; border: 1px solid black;"></span> Riverine
<span style="display: inline-block; width: 15px; height: 15px; background-color: #228B22; border: 1px solid black;"></span> Freshwater Forested/Shrub Wetland	



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

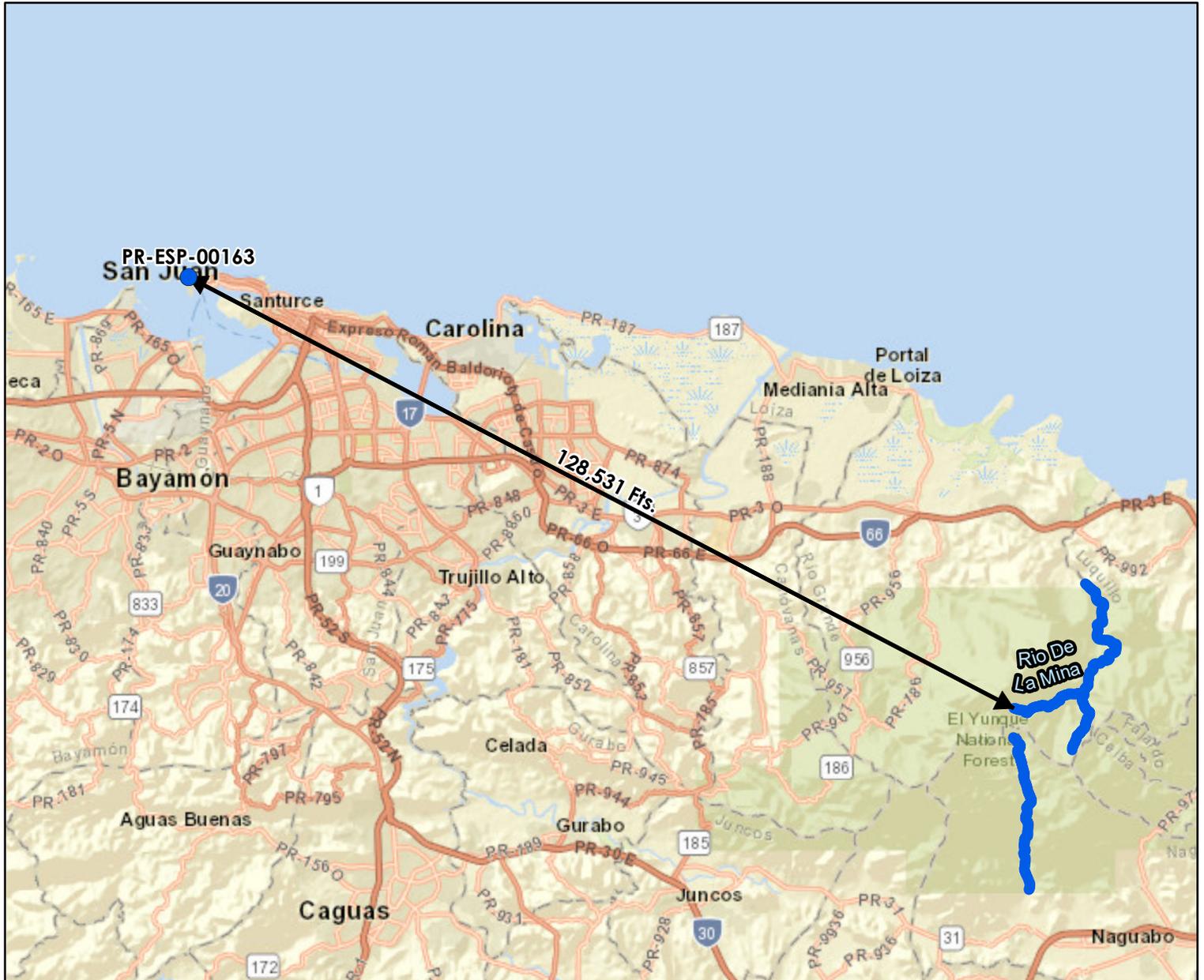
Source:  
 U.S. Fish and Wildlife Service - National Wetlands Inventory  
<https://www.fws.gov/program/national-wetlands-inventory>

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 16

# Wild and Scenic Rivers Map

Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- Wild and Scenic Rivers

1:250,000

0 10,000 20,000 30,000 Ft

0 2,000 4,000 6,000 8,000 Meters

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-00163

APPLICANT/LOCATION INFORMATION	
Applicant ID:	PR-ESP-00163
Applicant Name:	La Tortuga Bistró Bar
Parcel ID:	022-092-017-09-001
Coordinates:	18.467164, -66.117648
Street Address:	50 San Jose esquina San Sebastian
Municipio:	San Juan
Zip Code:	00901
Site Inspector:	Egon Gonzalez
Date of Visit:	March 7, 2025
Time of Visit:	14:04
Year Built:	Circa 1960




Building Information		
Question	Answer	Notes
1. Location verified:	Yes	18.467164, -66.117648
2. Is the building correct on GIS?	Yes	Building is correct on GIS
3. Building Type:	Commercial	
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	

<b>Parcel Conditions</b>		
<b>Question</b>	<b>Answer</b>	<b>Notes</b>
1) Are there any 55-gallon drums visible on site? If yes, are they leaking?	No	
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	100gal Diesel tank for generator located on left side of structure, (2) 400gal Water cistern and (1) 100gal Water cistern located on roof
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	Structure is located in Old San Juan 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 7, 2025

**Front of Structure**

Photo Direction: South

Comments:



**Facing Away from Front**

Photo Direction: North

Comments:



Side #1 of Structure

Photo Direction: Southwest

Comments:



Facing Away From Side #1

Photo Direction: Southeast

Comments:



**Back of Structure**

Photo Direction: West

Comments:



**Facing Away from Back**

Photo Direction: Southwest

Comments:



Side #2 of Structure

Photo Direction: South

Comments:



Facing Away from Side #2

Photo Direction: Southwest

Comments:



**Streetscape #1**

Photo Direction: East

Comments:



**Streetscape #2**

Photo Direction: West

Comments:



Address

Photo Direction: Southwest

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: Overview



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: Gas meter connection



**Architectural Details 7**

Photo Direction:

Photo Description: Proposed location for battery storage



**Architectural Details 8**

Photo Direction:

Photo Description: (2) 400gal Water cistern and (1) 100gal Water cistern located on roof



**Architectural Details 9**

Photo Direction:

Photo Description: Propane powered generator located on roof



**Architectural Details 10**

Photo Direction:

Photo Description: Additional roof of structure view



## **Appendix 3: Scope of Work Quote**



Consolidated Mall C-34  
Caguas, PR 00726

SEPTIEMBRE, 18 de 2024

Nombre LA TORTUGA BISTRO BAR LLC /RAMON CAO

Dirección: LA TORTUGA BISTRO BAR LLC

50 C SAN JOSE P1, SAN JUAN Lat,Long: 18.4674334 -66.1 1770

787-379-6786, email:RAMONCAO@YAHOO.COM

Consultor Energético: CARLOS RIVERA , 939-213-4888

No. Boleto:

No. Contrato:



**Cotización Sistema Fotovoltaico con Baterías**  
**Enphase Energy System con IQBATTERY-5P-1P-NA**

**Estimado cliente:**

Agradecemos su interés en cotizar con nosotros bajo el Programa de Incentivo de Apoyo Energético 2.0 que está diseñado para respaldar a las pequeñas y medianas empresas (PyMEs) elegibles en la implementación de inversiones relacionadas con energía renovable. Solar Roots, empresa de origen puertorriqueño, tiene una sólida trayectoria de más de 10 años en la industria de energía renovable en Puerto Rico, sin querellas en el DACO.

Su consumo histórico de energía anual es de:

Para reducir este consumo y tener energía durante interrupciones en el servicio le ofrecemos la siguiente solución:

**SISTEMA FOTOVOLTAICO**

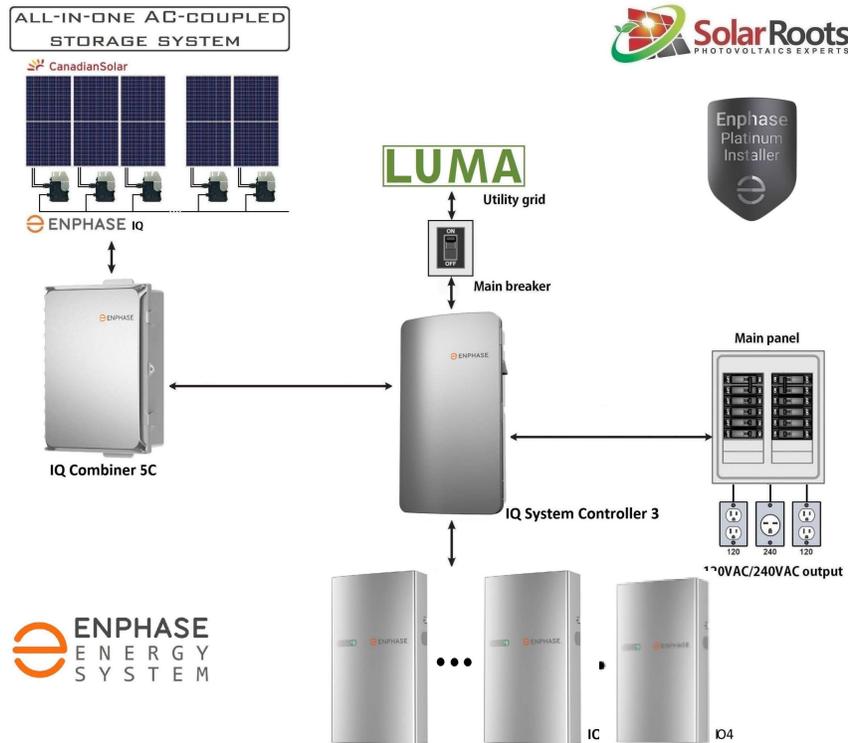
- Módulos Bifaciales de 535W Canadian Solar modelo CS6W-535MB-AG. Es líder global con 23 certificaciones a nivel mundial (www.canadiansolar.com). **Capacidad Total:** 10. 700 kWDC.
- Microinversores de 384W marca Enphase modelo IQ8H-240-72-2-US. Mayor producción por placa maximizando la generación de energía (www.enphase.com). **Capacidad Total:** 7. 680 kWAC.
- Sistema Monitoreo IQ Gateway: mide la producción solar y el consumo. Permite ver producción y detectar fallas por cada equipo de generación de energía.
- Rapid Shutdown Initiation Device (RSID) requerido por AEE/LUMA.
- Sistema de anclajes IronRidge: diseño certificado por Ingeniero Estructural para resistir vientos de huracán categoría 5 (>180 mph). (www.ironridge.com). **Área Requerida:** 60 P/C.
- Instalación básica de 50’ desde el inversor hasta el punto de interconexión. No incluye servicios de instalación de estructuras suplementarias, relocalización de equipos en el techo, reparación de tratamiento de impermeabilización, interruptores de transferencia, reparaciones eléctricas ni instalación de circuitos nuevos.

**SISTEMA DE BATERÍAS**

- Inversor/Cargador/Batería de litio ferroso (LFP) integrada marca Enphase Energy System modelo IQ Battery 5P con salida 120/240V, un IQ System Controller 3, paneles de distribución y protecciones de sobrecorriente AC, monitoreo remoto de energía almacenada y consumo a través del Enphase APP. **Capacidad Total:** 11. 52 kW-AC [ 15. 36 kW Peak] con 15 kWh @ 100% DOD en energía.

Mientras menos cargas se transfieran al sistema de baterías durante una interrupción en el servicio eléctrico, más eficiente será su uso y el del inversor. Requiere reducir las protecciones de sobrecorrientes de los circuitos a un máximo de 20A por cada batería. Las cargas conectadas y encendidas por el sistema de resguardo no deben exceder la capacidad de salida de este.

**Incluye materiales eléctricos en cumplimiento con el Código Eléctrico Nacional (NEC), diseño de planos por un Ingeniero Electricista, instalación, certificaciones, trámites de permisos y medición neta ante OGP y AEE/LUMA.**



**GARANTÍAS**

<b>30</b>	años en los módulos PV Canadian Solar	<b>10 / 15</b>	años en IQ Sys Controller 3 / batería IQ 5P
<b>25</b>	años en los microinversores Enphase	<b>1</b>	año de mantenimiento preventivo y labor
<b>5</b>	años en desperfectos de instalación	<b>5</b>	años en IQ Gateway

Garantías según fabricantes. Solar Roots no será responsable de daños causados al sistema por desastres naturales, robo, fuego o vandalismo. Alteraciones o abuso del sistema conllevará la cancelación de las garantías.

**CONSUMO DE ENERGÍA FAMILIAR**

<b>219</b>	Consumo anual de energía según factura	<b>10.700 kWh</b>	Producción de energía anual del PV
------------	--	-------------------	------------------------------------

**Costo detallado PVS**

**\$24,700**

**Costo detallado BSS**

**\$17,995**

**PRECIO (PVS + BSS)**

**\$42,695**

**INCENTIVO (requiere aprobación según las Guías o las regulaciones del Programa)**

**\$25,617**

**ACEPTACION DEL CLIENTE**

Firme la línea debajo y envíe por correo electrónico a servicio@solarrootspr.com si acepta la cotización ofrecida. Una vez aceptada, le enviaremos el contrato de servicio para su firma.

✗

\_\_\_\_\_  
Firma del cliente

\_\_\_\_\_  
Firma del consultor energético

\_\_\_\_\_  
10/10/2024

\_\_\_\_\_  
Fecha

\_\_\_\_\_  
10/10/2024

\_\_\_\_\_  
Fecha



CONTRATO DE INSTALACIÓN  
COMPARECEN



---DE LA PRIMERA PARTE: LA TORTUGA BISTRO BAR, LLC. \_\_\_\_\_, mayor de edad, \_\_\_\_\_ y vecino de SAN JUAN \_\_\_\_\_, Puerto Rico, quien comparece en su carácter de comprador, en adelante denominado "EL COMPRADOR".-----

---DE LA SEGUNDA PARTE: Solar Roots LLC, corporación existente al amparo de las leyes del Estado Libre Asociado de Puerto Rico, número de registro 328659, representada en este acto por CARLOS RIVERA TORRES \_\_\_\_\_, mayor de edad, 55 \_\_\_\_\_ y vecino de CIDRA \_\_\_\_\_, Puerto Rico, quien comparece como Representante Autorizado de Ventas, en adelante denominado "EL VENDEDOR".-

---Manifiestan LAS PARTES estar legalmente capacitadas para otorgar el presente contrato y en tal virtud, libre y voluntariamente.-----

EXPONEN

---PRIMERO: "EL VENDEDOR" presentó una cotización para la Venta e Instalación de un Sistema Fotovoltaico, en adelante "La Cotización".-----

---SEGUNDO: Se unen y se hacen formar parte de este Contrato todos los documentos que componen La Cotización antes mencionada incluyendo, pero sin limitarse a: la descripción del proyecto, el estimado de costos y los diagramas del proyecto, entregados por "EL VENDEDOR".-----

---TERCERO: LAS PARTES comparecientes convienen suscribir el presente acuerdo y proceden con la firma del mismo sujeto a los siguientes: -----

TERMINOS Y CONDICIONES

---PRIMERA: Habiéndose firmado El Contrato, Las Partes acuerdan desarrollar el proyecto dispuesto en La Cotización, el cual deberá cumplir con todos los requisitos técnicos según los documentos adjuntos a este contrato.-----

---SEGUNDA: "EL COMPRADOR" pagará a "EL VENDEDOR" por los bienes y servicios prestados, la cantidad total de \$ \$42,695 \_\_\_\_\_. Esta cantidad incluye todos los servicios contemplados y descritos en La Cotización y en las Cláusulas y Condiciones de este Contrato. Esta cantidad incluye instalación básica (50' desde el sistema fotovoltaico hasta el punto de interconexión para sistemas interconectados; 25' desde el sistema de baterías hasta el punto de interconexión) y no incluye servicios de instalación de estructuras, relocalización de equipos, reparación de tratamiento de impermeabilización, interruptores de transferencia, integración de generadores, reparaciones eléctricas, instalación de circuitos nuevos, ni ningún otro trabajo que no esté explícitamente descrito en La Cotización. -----

---TERCERA: La implementación del proyecto se llevará a cabo en tres (3) etapas: (1) diseño del sistema por parte de "EL VENDEDOR"; (2) instalación y certificación del sistema por parte de "EL VENDEDOR", y (3) firma de los Acuerdos de Interconexión y Medición Neta entre el "EL COMPRADOR" y LUMA.-----

---CUARTA: "EL VENDEDOR" recibirá como depósito de "EL COMPRADOR" la cantidad de \$ N/A \_\_\_\_\_, lo que equivale al N/A % del precio total del sistema.-

QUINTA (Efectivo): "EL COMPRADOR" acuerda pagar el balance de \$ \$25.617 \_\_\_\_\_ como se detalla a continuación: -----  
a) \$ N/A \_\_\_\_\_ al recibir el diseño del sistema.-----  
b) \$ N/A \_\_\_\_\_ (equivalente al incentivo) al finalizar la instalación del sistema.

QUINTA (Financiado): "EL COMPRADOR" financiará el balance de \$ \$17.078 \_\_\_\_\_ a través de una institución financiera en un periodo no mayor de un (1) año luego de la firma de este contrato. El contrato no se anulará ni se renegociarán los acuerdos si "EL COMPRADOR" no cumple con este término. ----

---SEXTA: "EL VENDEDOR" acuerda instalar el sistema en un periodo no mayor de noventa (90) días a partir de la aprobación del incentivo (compras en efectivo) o del recibo de la carta de aprobación del financiamiento por parte de "EL COMPRADOR" (compras financiadas). -----

---SÉPTIMA: El acuerdo queda condicionado a la aprobación del incentivo correspondiente. En caso de que el incentivo no sea aprobado, el acuerdo se considerará sin efecto. "Ni los Suplidores ni los Beneficiarios pueden modificar la solicitud aprobada ni los criterios evaluados, incluyendo la propuesta del Suplidor, el costo total del proyecto, la ubicación, tamaño del sistema de energía renovable, almacenamiento de batería, o si solicitó la infraestructura para el cargador de auto eléctrico." ver sección 10.4 Guía del Programa.-----

---OCTAVA: "EL VENDEDOR" desarrollará el proyecto del sistema fotovoltaico de manera tal que, a la culminación del mismo, cumpla con los siguientes requisitos:

- a) Estar compuesto por:
  - i. 20 módulos solares modelo CS6W-535MB-AG \_\_\_\_\_ ó equivalentes.--
  - ii. 20 inversores modelo IQ 8H \_\_\_\_\_ ó equivalentes.--
  - iii. 3 baterías modelo 5P \_\_\_\_\_ ó equivalentes.--
- b) Producir una energía promedio diaria de \_\_\_\_\_ kWh.-----
- c) Poseer garantía en instalación de 5 años. -----
- d) Poseer garantía del fabricante de 30 años en los módulos solares.-----
- e) Poseer garantía del fabricante de 25 años en los microinversores.-----
- f) Poseer garantía del fabricante de 5 años en los inversores de baterías.-
- g) Poseer garantía del fabricante de 15 años en las baterías.-----
- h) Incluir mantenimiento preventivo y correctivo por 1 año/s.-----
- i) Estar certificado ante la Oficina de Gerencia de Permisos (OGPE) y la Compañía de energía eléctrica LUMA Energy.-----

---NOVENA: Garantías de los equipos según los términos y condiciones del fabricante. "EL VENDEDOR" no se hace responsable por daños al sistema por robos, fuegos, inundaciones, descargas eléctricas, terremotos ni huracanes. Se recomienda adquirir un seguro Haza para cubrir pérdidas en el equipo. Cualquier alteración o abuso del sistema conllevará la cancelación de las garantías. -----

---DÉCIMA: "EL VENDEDOR" expresa que conoce las normas éticas de su profesión y asume entera responsabilidad por cualquier acción que pudiese ser contraria a tales normas éticas. "EL VENDEDOR" rendirá sus servicios, labor o trabajo de una manera profesional y conforme a los estándares, normas y prácticas generalmente aceptadas en su profesión, oficio o industria. -----

---UNDÉCIMA: LAS PARTES estipulan que las cláusulas y condiciones de este contrato son independientes y separadas entre sí y que la nulidad de una o más cláusulas del mismo, declarada por un tribunal competente, no afectará la validez de las restantes, las cuales continuarán vigentes.-----

---DUODÉCIMA: Este Contrato estará regido y deberá ser interpretado de acuerdo con las leyes del Estado Libre Asociado de Puerto Rico. El Contrato tendrá vigencia según los términos de la garantía de instalación otorgada por "EL VENDEDOR".----

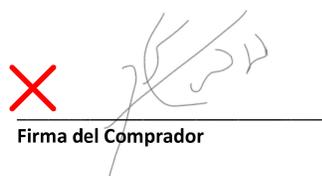
---DÉCIMATERCERA: Toda comunicación escrita que deba ser dirigida a "LAS PARTES", deberá ser remitida a las siguientes direcciones: -----

	EL COMPRADOR	SOLAR ROOTS LLC
Dirección postal:	PO BOX 9024040 SAN JUAN,00902	Dirección postal: PO Box 7924 Caguas, PR 00726
Dirección física:	50 C SAN JOSE P1 SAN JUAN,00901	Dirección física: Consolidated Mall C-34 Caguas, PR 00726

LECTURA Y ACEPTACIÓN

---LAS PARTES manifiestan estar de acuerdo con las Cláusulas y Condiciones consignadas en este Contrato, en vista de lo cual firman al final del mismo.-----

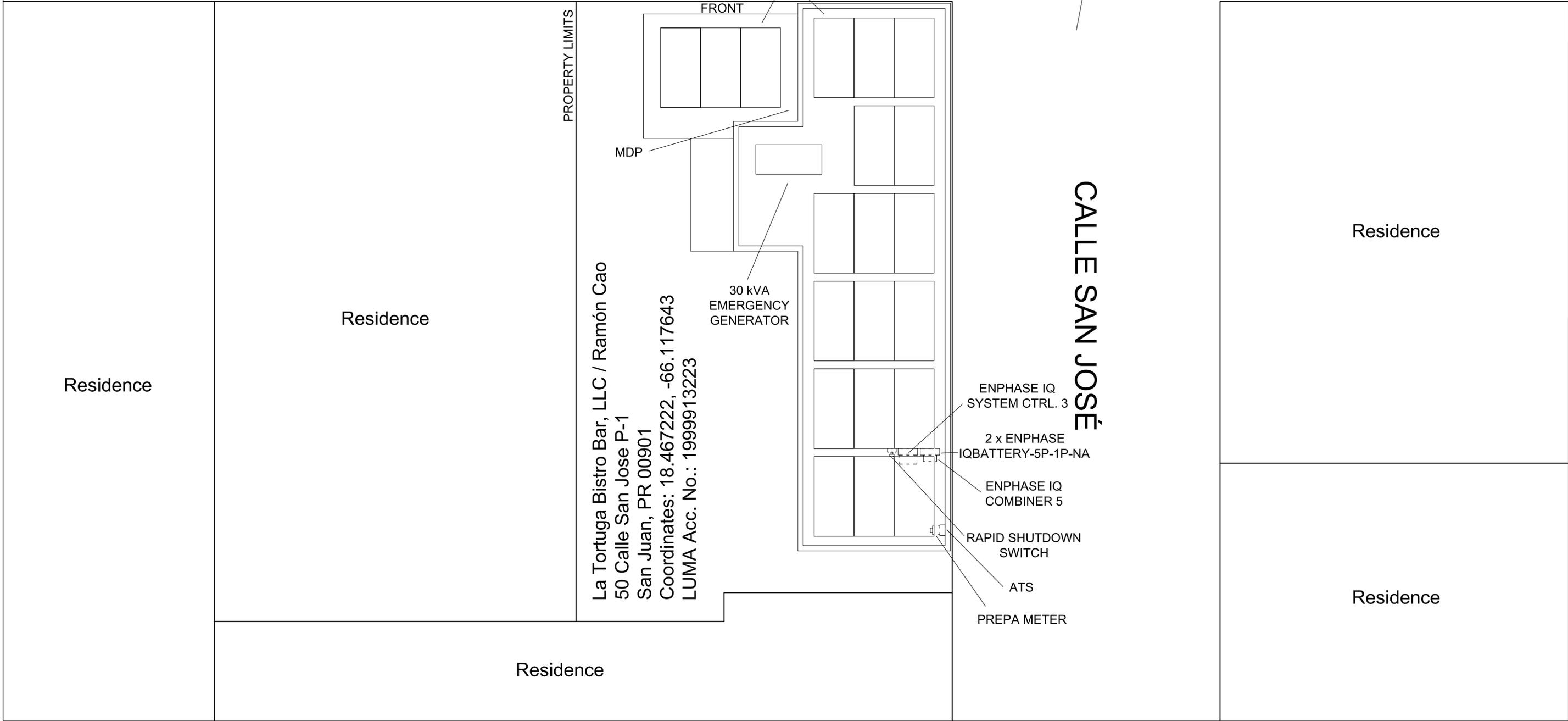
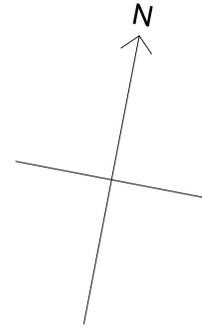
---En CAGUAS \_\_\_\_\_, Puerto Rico, a 10 de OCTUBRE de 2024 .-----

  
Firma del Comprador

  
Firma del Vendedor

# CALLE SAN SEBASTIAN

CANADIAN SOLAR CS6W-535MB-AG PV MODULES QTY. = 20  
 ENPHASE IQ8H-240-72-2-US MICROINVERTERS QTY. = 20



La Tortuga Bistro Bar, LLC / Ramón Cao  
 50 Calle San Jose P-1  
 San Juan, PR 00901  
 Coordinates: 18.467222, -66.117643  
 LUMA Acc. No.: 1999913223

CALLE SAN JOSÉ

Residence

Residence

Residence

Residence

Residence

				<b>SOLAR ROOTS, LLC</b>	DWG :	SOLAR ROOTS	JUN/24	TITLE : 10.70 KWDC PHOTOVOLTAIC SYSTEM WITH IQ8H-240-72-2-US MICROINVERTERS	
					REVISED :	CMM	06/21/24		
1	06/21/24	SITE PLAN AND SYSTEM LAYOUT	CMM	CLIENT :	LA TORTUGA BISTRO BAR, LLC	APPROVED :	CMM	06/21/24	DRAWING NO. 2024-01-001
No.	DATE	DESCRIPTION	BY	ADDRESS :	2024-06-243	SCALE	NONE	FT	

**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



## Summary Nonattainment Area Population Exposure Report

Data is current as of June 30, 2025

Ordered by state(s)

The NO<sub>2</sub> 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 <sub>2</sub> (2010)	SO <sub>2</sub> (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)						



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 <sub>2</sub> (2010)	SO <sub>2</sub> (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 <sub>2</sub> (2010)	SO <sub>2</sub> (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)								
<b>2010 Population in 1000s (area count) by Pollutant</b>											
Total Estimated 2010 Population in Nonattainment Areas (1000's)		<b>8-Hour Ozone (2015)</b>	<b>8-Hour Ozone (2008)</b>	<b>PM-2.5 (2012)</b>	<b>PM-2.5 (2006)</b>	<b>PM-2.5 (1997)</b>	<b>PM-10 (1987)</b>	<b>SO<sub>2</sub> (2010)</b>	<b>SO<sub>2</sub> (1971)</b>	<b>Lead (2008)</b>	<b>Lead (1978)</b>
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.

logo

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/m<sup>3</sup>) 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:

Important Notes

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

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/Part County	Population (2010)	State/County FIPS Codes
<b>PUERTO RICO</b>								
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

# Status of Puerto Rico Designated Areas

## Puerto Rico Areas by NAAQS

NOTE: As of 03/12/2021, these reports are no longer being updated. For the latest information, see the [SIP Status Tools](#).

Jump to Puerto Rico section for: [CO \(1971\)](#) [Lead \(1978\)](#) [Lead \(2008\)](#) [NO2 \(1971\)](#) [Ozone-1Hr \(1979\)](#) [Ozone-8Hr \(1997\)](#) [Ozone-8Hr \(2008\)](#) [Ozone-8Hr \(2015\)](#) [PM-10 \(1987\)](#) [PM-2.5 \(1997\)](#) [PM-2.5 \(2006\)](#) [PM-2.5 \(2012\)](#) [SO2 \(1971\)](#) [SO2 \(2010\)](#)

<b>Puerto Rico CO (1971) Areas</b> <a href="#">Return to map</a>											
No designated areas for this pollutant.											
<b>Puerto Rico Lead (1978) Areas</b> <a href="#">Return to map</a> Top of page											
No designated areas for this pollutant.											
<b>Puerto Rico Lead (2008) Areas</b> <a href="#">Return to map</a> Top of page											
<a href="#">Click on the Area name to view SIP Required Elements</a> <b>Area</b>	<b>Status</b>	<b>Designation Date</b>	<b>Classification</b>	<b>2010 Population (state portion)</b>	<b>Meets NAAQS Basis</b>	<b>Design Value Annual (µg/m³) (entire area)</b>	<b>Meets NAAQS</b>	<b>SIP Requirements Original/ Approved</b>	<b>Clean Air Determination Citation Effective Date</b> <a href="#">Click to view FR notice</a>	<b>Redesignation Request Date</b>	<b>Redesignation Citation Effective Date</b> <a href="#">Click to view FR notice</a>
<a href="#">Arecibo</a>	Nonattainment	12/31/2011		32,185	2017-2019	0.18	No	6 / 6			
<b>Puerto Rico NO2 (1971) Areas</b> <a href="#">Return to map</a> Top of page											
No designated areas for this pollutant.											
<b>Puerto Rico Ozone-1Hr (1979) Areas</b> <a href="#">Return to map</a> 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

<a href="#">Click on the Area name to view SIP Required Elements</a>	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 <a href="#">Click to view FR notice</a>	Redesignation Request Date	Redesignation Citation Effective Date <a href="#">Click to view FR notice</a>
	<a href="#">Guaynabo County</a>	Maintenance	11/15/1990	Moderate	90,470	2017-2019		Insufficient Data	3 / 3		03/31/2009	02/11/2010 <a href="#">75 FR 1543</a>

**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](#)

<a href="#">Click on the Area name to view SIP Required Elements</a> <b>Area</b>	<b>Status</b>	<b>Designation Date</b>	<b>Classification</b>	<b>2010 Population (state portion)</b>	<b>Meets NAAQS Basis</b>	<b>3 Year 1-Hour Design Value (ppb) (entire area)</b>	<b>Meets NAAQS</b>	<b>SIP Requirements Original/ Approved</b>	<b>Clean Air Determination Citation Effective Date <a href="#">Click to view FR notice</a></b>	<b>Redesignation Request Date</b>	<b>Redesignation Citation Effective Date <a href="#">Click to view FR notice</a></b>
<a href="#">Guayama-Salinas</a>	Nonattainment	04/09/2018		23,401	2017-2019		No Data	6 / 0			
<a href="#">San Juan</a>	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-00163

**Project:** La Tortuga Bistró Bar

**Re: Justification for the Infeasibility and Impracticability of Radon Testing**

After reviewing Application Number PR-ESP-00163 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](mailto: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.

**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 Povelko, [Povelko.Oleg@epa.gov](mailto:Povelko.Oleg@epa.gov)  
Mr. Matthew Lautita, [lautita.matthew@epa.gov](mailto:lautita.matthew@epa.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](mailto:silvina.cancelos@upr.edu)

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Sincerely,

William O. Rodríguez Rodríguez, Esq.  
Secretary

Cc: Dr. Carlos Marín, [carlos.marin3@upr.edu](mailto:carlos.marin3@upr.edu)



August 20, 2024

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

Via email: [OIA@cdc.gov](mailto:OIA@cdc.gov)

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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](mailto:anais.rodriguez@dma.pr.gov)

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William O. Rodríguez Rodríguez, Esq.  
Secretary

Cc: Mr. Luis Márquez, [secretariogaire@dma.pr.gov](mailto:secretariogaire@dma.pr.gov)  
Eng. Amarilys Rosario, [aire@dma.pr.gov](mailto:aire@dma.pr.gov)  
Mrs. Elid Ortega, [ortega@dma.pr.gov](mailto:ortega@dma.pr.gov)



August 20, 2024

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

Via email: [drCarlos.mellado@salud.pr.gov](mailto:drCarlos.mellado@salud.pr.gov)

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William O. Rodríguez Rodríguez, Esq.  
Secretary

Cc: Mr. Raúl Hernández Dabla, [rahernandez2@salud.pr.gov](mailto:rahernandez2@salud.pr.gov)



August 20, 2024

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

Via email: [hswyers@usgs.gov](mailto:hswyers@usgs.gov)

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

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William O. Rodríguez Rodríguez, Esq.  
Secretary

Cc: Mr. R. Randall Schumann, [rschumann@usgs.gov](mailto: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); Rzeszotarski, 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](mailto:rschumann@usgs.gov)  
<https://www.usgs.gov/staff-profiles/r-randall-schumann>

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**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](mailto:rhernandez2@salud.gov.pr)  
Phone: (787)765-2929 ext. 3210

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**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>; Silvana Cancelos Mancini <silvana.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

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

Estimada Melanie Medina

Quería dejarte 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

Silvana 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: [silvana.cancelos@upr.edu](mailto:silvana.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. Rodriguez Rodriguez, 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 Rodriguez Rodriguez:

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.<sup>1</sup> 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 Sebastian, 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.

<sup>1</sup> 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, 7<sup>TH</sup> 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](mailto:guerrero.carmen@epa.gov) or have your staff contact Reyes, Brenda at [reyes.brenda@epa.gov](mailto: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](mailto:mmedina@vivienda.pr.gov)  
Elaine Dume Mejia: [Edume@vivienda.pr.gov](mailto:Edume@vivienda.pr.gov)  
Luz S Colon Ortiz: [Lcolon@vivienda.pr.gov](mailto:Lcolon@vivienda.pr.gov)  
Aldo A. Rivera-Vazquez: [aarivera@vivienda.pr.gov](mailto:aarivera@vivienda.pr.gov)  
Cesar O. Rodriguez: [cesarrodriquez@drna.pr.gov](mailto:cesarrodriquez@drna.pr.gov)  
Marita Rosa Olivares: [maritzarosaolivares@drna.pr.gov](mailto:maritzarosaolivares@drna.pr.gov)

## **ECHO Reports**



# Detailed Facility Report

## Facility Summary

**ARSENAL DE LA MARINA- INSTITUTO DE CULT**

**1 BO LA PUNTILLA OLD SAN JUAN, SAN JUAN, PR 00902**

**FRS (Facility Registry Service) ID:** 110020578579

**EPA Region:** 02

**Latitude:** 18.462304

**Longitude:** -66.116049

**Locational Data Source:** RCRAINFO

**Industries:** Amusement, Gambling, and Recreation Industries

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	06/30/2009
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, (PRR000017483)

**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		110020578579					N	18.462304	-66.116049
RCRAInfo	RCRA	PRR000017483	VSQG	Active (H)			N	18.462304	-66.116049

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110020578579	ARSENAL DE LA MARINA- INSTITUTO DE CULT	1 BO LA PUNTILLA OLD SAN JUAN, SAN JUAN, PR 00902	San Juan Municipio
RCRAInfo	RCRA	PRR000017483	ARSENAL DE LA MARINA- INSTITUTO DE CULT	1 BO LA PUNTILLA OLD SAN JUAN, SAN JUAN, PR 00902	San Juan 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	PRR000017483	71393	Marinas

### 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	PRR000017483	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: PRR000017483)		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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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))	
Total Persons	5,545
Population Density	6,770/sq.mi.
Housing Units in Area	3,452
Percent People of Color	94%
Households in Area	2,644
Households on Public Assistance	162
Persons With Low Income	2,831
Percent With Low Income	51%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.462304
Center Longitude	-66.116049
Total Area	--
Land Area	26%
Water Area	74%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	667 (25.24%)
\$15,000 - \$25,000	569 (21.53%)
\$25,000 - \$50,000	511 (19.33%)
\$50,000 - \$75,000	275 (10.4%)
Greater than \$75,000	621 (23.5%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	180 (3%)
Minors 17 years and younger	765 (14%)
Adults 18 years and older	4,780 (86%)
Seniors 65 years and older	1,592 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,664 (48%)
African-American	441 (8%)
Hispanic-Origin	5,174 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	940 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	270 (6.03%)
9th through 12th Grade	234 (5.22%)
High School Diploma	972 (21.7%)
Some College/2-year	435 (9.71%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,289 (51.11%)



# Detailed Facility Report

## Facility Summary

**AUTORIDAD DE EDF PUBLICOS**

**PASEO COVADONGA PARADA 1, SAN JUAN, PR 00902**

**FRS (Facility Registry Service) ID:** 110004889522

**EPA Region:** 02

**Latitude:** 18.46524

**Longitude:** -66.111219

**Locational Data Source:** FRS

**Industries:** Executive, Legislative, and Other General Government Support

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	08/12/1992
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, (PRD987366085)

**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		110004889522					N	18.46524	-66.111219
RCRAInfo	RCRA	PRD987366085	Other	Inactive ( )			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004889522	AUTORIDAD DE EDF PUBLICOS	PASEO COVADONGA PARADA 1, SAN JUAN, PR 00902	San Juan Municipio
RCRAInfo	RCRA	PRD987366085	AUTORIDAD DE EDF PUBLICOS	PASEO COVADONGA PARADA 1, SAN JUAN, PR 00902	San Juan 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	PRD987366085	92119	Other General Government Support

### 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	PRD987366085	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: PRD987366085)		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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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))	
Total Persons	6,193
Population Density	6,365/sq.mi.
Housing Units in Area	3,791
Percent People of Color	94%
Households in Area	2,914
Households on Public Assistance	217
Persons With Low Income	3,308
Percent With Low Income	54%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46524
Center Longitude	-66.111219
Total Area	--
Land Area	31%
Water Area	69%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	789 (27.08%)
\$15,000 - \$25,000	647 (22.2%)
\$25,000 - \$50,000	547 (18.77%)
\$50,000 - \$75,000	280 (9.61%)
Greater than \$75,000	651 (22.34%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	204 (3%)
Minors 17 years and younger	831 (13%)
Adults 18 years and older	5,361 (87%)
Seniors 65 years and older	1,834 (30%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,948 (48%)
African-American	504 (8%)
Hispanic-Origin	5,788 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	1,063 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	313 (6.24%)
9th through 12th Grade	272 (5.42%)
High School Diploma	1,102 (21.96%)
Some College/2-year	474 (9.45%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,524 (50.3%)



# Detailed Facility Report

## Facility Summary

**CARIBBEAN PETROLEUM LP - SS GULF 174**

**38 PONCE DE LEON AVE ESQUINA STA ROSA DE LIMA BO,  
CATANO, PR 00962**

**FRS (Facility Registry Service) ID:** 110004894963

**EPA Region:** 02

**Latitude:** 18.465974

**Longitude:** -66.109118

**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	01/24/2000
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):** Inactive Other, (PRR000011148)

**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 Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004894963	CARIBBEAN PETROLEUM LP - SS GULF 174	38 PONCE DE LEON AVE ESQUINA STA ROSA DE LIMA BO, CATANO, PR 00962	Cataño Municipio
System	Statute	Identifier	Facility Name	Facility Address	Facility County
ICIS		2600016035	GULF #174	AVE PONCE DE LEON # 38 ESQ STA. ROSA DE LIMA BO, CATANO, PR 00962	Cataño Municipio
RCRAInfo	RCRA	PRR000011148	CARIBBEAN PETROLEUM LP - SS GULF 174	38 PONCE DE LEON AVE ESQUINA, CATANO, PR 00962	Cataño 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

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	PRR000011148	No	08/16/2025	0	08/15/2025

## 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+
RCRA (Source ID: PRR000011148)		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											
	Violation Agency												

## Informal Enforcement Actions

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

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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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/dfp-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	6,656	Children 5 years and younger	214 (3%)
Population Density	6,487/sq.mi.	Minors 17 years and younger	868 (13%)
Housing Units in Area	3,928	Adults 18 years and older	5,789 (87%)
Percent People of Color	94%	Seniors 65 years and older	1,916 (29%)
Households in Area	3,031	<b>Race Breakdown (ACS (American Community Survey)) - Persons (%)</b>	
Households on Public Assistance	233	White	3,228 (48%)
Persons With Low Income	3,451	African-American	597 (9%)
Percent With Low Income	54%	Hispanic-Origin	6,233 (94%)
<b>Geography</b>		Asian	1 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	1 (0%)
Center Latitude	18.465974	American Indian	1 (0%)
Center Longitude	-66.109118	Other/Multiracial	1,092 (16%)
Total Area	3.121 sq.mi.	<b>Education Level (Persons 25 &amp; older) (ACS (American Community Survey)) - Persons (%)</b>	
Land Area	33%	Less than 9th Grade	351 (6.49%)
Water Area	67%	9th through 12th Grade	312 (5.77%)
<b>Income Breakdown (ACS (American Community Survey)) - Households (%)</b>		High School Diploma	1,234 (22.83%)
Less than \$15,000	826 (27.24%)	Some College/2-year	516 (9.55%)
\$15,000 - \$25,000	670 (22.1%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,640 (48.84%)
\$25,000 - \$50,000	559 (18.44%)		
\$50,000 - \$75,000	291 (9.6%)		
Greater than \$75,000	686 (22.63%)		



# Detailed Facility Report

## Facility Summary

**CARNIVAL DESTINY IMO#9070058**

**PORT SAN JUAN PIER 4 & 6, SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110012565820

**EPA Region:** 02

**Latitude:** 18.465251

**Longitude:** -66.119124

**Locational Data Source:** RCRAINFO

**Industries:** Water Transportation

**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 LQG, (PRR000014969)

**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		110012565820					N	18.465251	-66.119124
RCRAInfo	RCRA	PRR000014969	LQG	Active (H)			N	18.465251	-66.119124

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110012565820	CARNIVAL DESTINY IMO#9070058	PORT SAN JUAN PIER 4 & 6, SAN JUAN, PR 00901	San Juan Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
RCRAInfo	RCRA	PRR000014969	CARNIVAL DESTINY IMO#9070058	PORT OF SAN JUAN PIER 4 & 6, SAN JUAN, PR 00901	San Juan 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	PRR000014969	483112	Deep Sea Passenger Transportation

### 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	PRR000014969	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: PRR000014969)		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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

### 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	5,177	Children 5 years and younger	168 (3%)
Population Density	8,058/sq.mi.	Minors 17 years and younger	713 (14%)
Housing Units in Area	3,225	Adults 18 years and older	4,464 (86%)
Percent People of Color	93%	Seniors 65 years and older	1,474 (28%)
Households in Area	2,470	<b>Race Breakdown (ACS (American Community Survey)) - Persons (%)</b>	
Households on Public Assistance	141	White	2,526 (49%)
Persons With Low Income	2,570	African-American	411 (8%)
Percent With Low Income	50%	Hispanic-Origin	4,820 (93%)
<b>Geography</b>		Asian	1 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.465251	American Indian	2 (0%)
Center Longitude	-66.119124	Other/Multiracial	845 (16%)
Total Area	--	<b>Education Level (Persons 25 &amp; older) (ACS (American Community Survey)) - Persons (%)</b>	
Land Area	21%	Less than 9th Grade	249 (5.95%)
Water Area	79%	9th through 12th Grade	213 (5.09%)
<b>Income Breakdown (ACS (American Community Survey)) - Households (%)</b>		High School Diploma	903 (21.58%)
Less than \$15,000	590 (23.91%)	Some College/2-year	408 (9.75%)
\$15,000 - \$25,000	536 (21.72%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,155 (51.51%)
\$25,000 - \$50,000	484 (19.61%)		
\$50,000 - \$75,000	269 (10.9%)		
Greater than \$75,000	589 (23.87%)		



# Detailed Facility Report

## Facility Summary

**CVS PHARMACY #7979**

**105 GILBERTO CONCEPTION DE GRACIA, SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110045989061

**EPA Region:** 02

**Latitude:** 18.463328

**Longitude:** -66.113973

**Locational Data Source:** FRS

**Industries:** Health and Personal Care Retailers

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	03/15/2013
<b>Compliance Status</b>	<b>No Violation Identified</b>
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 LQG, (PRR000022632)

**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		110045989061					N	18.463328	-66.113973
ICIS		3400106691					N	18.463528	-66.113361
RCRAInfo	RCRA	PRR000022632	LQG	Active (H)			N	18.463965	-66.10971

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110045989061	CVS PHARMACY #7979	105 GILBERTO CONCEPTION DE GRACIA, SAN JUAN, PR 00901	San Juan Municipio
ICIS		3400106691	CVS PHARMACY #7979	105 GILBERTO CONCEPCION DE GRACIA, SAN JUAN, PR 00919	San Juan Municipio
RCRAInfo	RCRA	PRR000022632	CVS PHARMACY #7979	105 GILBERTO CONCEPTION DE GRACIA, SAN JUAN, PR 00901	San Juan 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	PRR000022632	45611	Pharmacies and Drug Retailers

## Facility Tribe Information

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

### Enforcement and Compliance

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

This table shows how violations relate to compliance monitoring (CM) activities and enforcement. Currently available for CAA and RCRA only. Full CM history available below.

No data records returned

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

## 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	PRR000022632	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: PRR000022632)	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										
	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?
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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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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
PRR000022632	Hazardous Waste	33 - 40	38 - 52	10 - 13	--
PRR000022632	Acute Hazardous Waste	0 - 3	0 - 2	0	--
PRR000022632	Pharmaceutical Hazardous Waste	0 - 7	0 - 14	0 - 4	--

"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	5,820	Children 5 years and younger	190 (3%)
Population Density	6,451/sq.mi.	Minors 17 years and younger	798 (14%)
Housing Units in Area	3,606	Adults 18 years and older	5,022 (86%)
Percent People of Color	94%	Seniors 65 years and older	1,695 (29%)
Households in Area	2,765		

General Statistics (ACS (American Community Survey))	
Households on Public Assistance	185
Persons With Low Income	3,039
Percent With Low Income	53%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.463328
Center Longitude	-66.113973
Total Area	--
Land Area	29%
Water Area	71%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	722 (26.11%)
\$15,000 - \$25,000	601 (21.74%)
\$25,000 - \$50,000	528 (19.1%)
\$50,000 - \$75,000	277 (10.02%)
Greater than \$75,000	637 (23.04%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,774 (48%)
African-American	463 (8%)
Hispanic-Origin	5,436 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	1,002 (17%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	287 (6.1%)
9th through 12th Grade	248 (5.27%)
High School Diploma	1,022 (21.72%)
Some College/2-year	453 (9.63%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,395 (50.9%)



# Detailed Facility Report

## Facility Summary

**DEPT DE SALUD INST DE LABORATORIO**

**ANTIGUO HOSP DE PSIQUIATRIA, SAN JUAN, PR 00921**

**FRS (Facility Registry Service) ID:** 110060228506

**EPA Region:** 02

**Latitude:** 18.466609

**Longitude:** -66.119207

**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	06/26/2014
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, (PRN008026817)

**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		110060228506					N	18.466609	-66.119207
RCRAInfo	RCRA	PRN008026817	VSQG	Active (H)			N	18.466609	-66.119207

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110060228506	DEPT DE SALUD INST DE LABORATORIO	ANTIGUO HOSP DE PSIQUIATRIA, SAN JUAN, PR 00921	San Juan Municipio
RCRAInfo	RCRA	PRN008026817	DEPT DE SALUD INST DE LABORATORIO	ANTIGUO HOSP DE PSIQUIATRIA, SAN JUAN, PR 00921	San Juan 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	PRN008026817	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: PRN008026817)	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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

### 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))	
Total Persons	5,147
Population Density	8,230/sq.mi.
Housing Units in Area	3,196
Percent People of Color	93%
Households in Area	2,451
Households on Public Assistance	140
Persons With Low Income	2,546
Percent With Low Income	50%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.466609
Center Longitude	-66.119207
Total Area	--
Land Area	20%
Water Area	80%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	578 (23.58%)
\$15,000 - \$25,000	537 (21.91%)
\$25,000 - \$50,000	483 (19.71%)
\$50,000 - \$75,000	267 (10.89%)
Greater than \$75,000	586 (23.91%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	167 (3%)
Minors 17 years and younger	706 (14%)
Adults 18 years and older	4,440 (86%)
Seniors 65 years and older	1,471 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,521 (49%)
African-American	404 (8%)
Hispanic-Origin	4,791 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	3 (0%)
Other/Multiracial	834 (16%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	247 (5.93%)
9th through 12th Grade	211 (5.07%)
High School Diploma	896 (21.52%)
Some College/2-year	406 (9.75%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,147 (51.57%)



# Detailed Facility Report

## Facility Summary

**DEPT OF ED - CENTRAL HIGH SCHOOL**

**AVE PONCE DE LEON PARADA 20, SANTURCE, PR 00907**

**FRS (Facility Registry Service) ID:** 110004891635

**EPA Region:** 02

**Latitude:** 18.465945

**Longitude:** -66.109658

**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	05/20/1999
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, (PRR000000711)

**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		110004891635					N	18.465945	-66.109658
RCRAInfo	RCRA	PRR000000711	Other	Inactive ( )			N		

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004891635	DEPT OF ED - CENTRAL HIGH SCHOOL	AVE PONCE DE LEON PARADA 20, SANTURCE, PR 00907	Mayagüez Municipio
RCRAInfo	RCRA	PRR000000711	DEPT OF ED - CENTRAL HIGH SCHOOL	AVE PONCE DE LEON PARADA 20, SANTURCE, PR 00907	Mayagüez 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	PRR000000711	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: PRR000000711)	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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

#### 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))	
Total Persons	6,500
Population Density	6,455/sq.mi.
Housing Units in Area	3,891
Percent People of Color	94%
Households in Area	2,998
Households on Public Assistance	230
Persons With Low Income	3,416
Percent With Low Income	54%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.465945
Center Longitude	-66.109658
Total Area	--
Land Area	32%
Water Area	68%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	814 (27.16%)
\$15,000 - \$25,000	666 (22.22%)
\$25,000 - \$50,000	557 (18.59%)
\$50,000 - \$75,000	287 (9.58%)
Greater than \$75,000	673 (22.46%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	210 (3%)
Minors 17 years and younger	853 (13%)
Adults 18 years and older	5,647 (87%)
Seniors 65 years and older	1,905 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,134 (48%)
African-American	560 (9%)
Hispanic-Origin	6,084 (94%)
Asian	1 (0%)
Hawaiian/Pacific Islander	1 (0%)
American Indian	1 (0%)
Other/Multiracial	1,086 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	339 (6.42%)
9th through 12th Grade	299 (5.66%)
High School Diploma	1,187 (22.48%)
Some College/2-year	501 (9.49%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,607 (49.38%)



# Detailed Facility Report

## Facility Summary

**EMILIO BARBOSA VELEZ INC**

**MERCADO CTRL EDIF C OF 4, PUERTO NUEVO, PR 00936**

**FRS (Facility Registry Service) ID:** 110007823285

**EPA Region:** 02

**Latitude:** 18.467718

**Longitude:** -66.117358

**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	06/29/2004
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):** Inactive Other, (PRT000010306)

**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		110007823285					N	18.467718	-66.117358
RCRAInfo	RCRA	PRT000010306	Other	Inactive ( )			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007823285	EMILIO BARBOSA VELEZ INC	MERCADO CTRL EDIF C OF 4, PUERTO NUEVO, PR 00936	San Juan Municipio
RCRAInfo	RCRA	PRT000010306	EMILIO BARBOSA VELEZ INC	MERCADO CTRL EDIF C OF 4, PUERTO NUEVO, PR 00936	San Juan 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	PRT000010306	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: PRT000010306)	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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

#### 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
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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))	
Total Persons	5,281
Population Density	8,214/sq.mi.
Housing Units in Area	3,273
Percent People of Color	93%
Households in Area	2,512
Households on Public Assistance	153
Persons With Low Income	2,639
Percent With Low Income	50%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.467718
Center Longitude	-66.117358
Total Area	--
Land Area	21%
Water Area	79%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	603 (24%)
\$15,000 - \$25,000	551 (21.93%)
\$25,000 - \$50,000	493 (19.62%)
\$50,000 - \$75,000	267 (10.62%)
Greater than \$75,000	599 (23.84%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	168 (3%)
Minors 17 years and younger	716 (14%)
Adults 18 years and older	4,564 (86%)
Seniors 65 years and older	1,542 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,576 (49%)
African-American	415 (8%)
Hispanic-Origin	4,918 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	859 (16%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	262 (6.11%)
9th through 12th Grade	220 (5.13%)
High School Diploma	921 (21.49%)
Some College/2-year	412 (9.61%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,209 (51.54%)



# Detailed Facility Report

## Facility Summary

**ESSO STANDARD OIL CO - PR CO-005**

**AVE PONCE DE LEON PARADA 5, SAN JUAN, PR 00906**

**FRS (Facility Registry Service) ID:** 110004893143

**EPA Region:** 02

**Latitude:** 18.465922

**Longitude:** -66.110109

**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):** Active VSQG,  
(PRR000006619)

**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		110004893143					N	18.465922	-66.110109
RCRAInfo	RCRA	PRR000006619	VSQG	Active (H)			N	18.432702	-66.058987

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004893143	ESSO STANDARD OIL CO - PR CO-005	AVE PONCE DE LEON PARADA 5, SAN JUAN, PR 00906	San Juan Municipio
RCRAInfo	RCRA	PRR000006619	ESSO STANDARD OIL CO - PR CO-005	AVE PONCE DE LEON PARADA 5, SAN JUAN, PR 00906	San Juan 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

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	PRR000006619	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: PRR000006619)	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										
	Violation											
	Agency											

### Informal Enforcement Actions

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

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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

### 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))	
Total Persons	6,384
Population Density	6,445/sq.mi.
Housing Units in Area	3,853
Percent People of Color	94%
Households in Area	2,969
Households on Public Assistance	226
Persons With Low Income	3,381
Percent With Low Income	54%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.465922
Center Longitude	-66.110109
Total Area	--
Land Area	32%
Water Area	68%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	805 (27.1%)
\$15,000 - \$25,000	662 (22.29%)
\$25,000 - \$50,000	554 (18.65%)
\$50,000 - \$75,000	285 (9.6%)
Greater than \$75,000	664 (22.36%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	207 (3%)
Minors 17 years and younger	843 (13%)
Adults 18 years and older	5,541 (87%)
Seniors 65 years and older	1,887 (30%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,064 (48%)
African-American	536 (8%)
Hispanic-Origin	5,973 (94%)
Asian	1 (0%)
Hawaiian/Pacific Islander	1 (0%)
American Indian	1 (0%)
Other/Multiracial	1,079 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	329 (6.35%)
9th through 12th Grade	288 (5.55%)
High School Diploma	1,155 (22.28%)
Some College/2-year	490 (9.45%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,581 (49.78%)



# Detailed Facility Report

## Facility Summary

**HOSPITAL AUXILIO MUTUO**

**AVENIDA PONCE DE LEON STOP 37, SAN JUAN, PR 00919**

**FRS (Facility Registry Service) ID:** 110004889844

**EPA Region:** 02

**Latitude:** 18.465972

**Longitude:** -66.109148

**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	02/26/2015
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)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	Inactive
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

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Resource Conservation and Recovery Act (RCRA):** Active VSQG, (PRD987374980)

**Toxic Releases (TRI):** No Information

**Safe Drinking Water Act (SDWA):** OWNER: Private, PRIMARY SERVICE AREA DESCRIPTION: Institution, SOURCE: Ground water, TYPE: Non-Transient non-community system Permit Changed from public to non-public (PR0165021)

**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		110004889844					N	18.465972	-66.109148
RCRAInfo	RCRA	PRD987374980	VSQG	Active (H)			N	18.431954	-66.058933
SDWIS	SDWA	PR0165021	OWNER: Private, PRIMARY SERVICE AREA DESCRIPTION: Institution, SOURCE: Ground water, TYPE: Non-Transient non-community system	Changed from public to non-public	Population Served: 1900		N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004889844	HOSPITAL AUXILIO MUTUO	AVENIDA PONCE DE LEON STOP 37, SAN JUAN, PR 00919	San Juan Municipio
RCRAInfo	RCRA	PRD987374980	HOSPITAL AUXILIO MUTUO	AVENIDA PONCE DE LEON STOP 37, SAN JUAN, PR 00919-1227	San Juan Municipio
SDWIS	SDWA	PR0165021	HOSPITAL AUXILIO MUTUO	PR	

### 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>>.

### 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
No data records returned														

Sanitary survey result codes: S = Significant Deficiencies R = Recommendations Made X = Not Evaluated D = Sanitary Defect  
M = Minor Deficiencies N = No Deficiencies or Z = Not Applicable -- = Not Reported to EPA  
Recommendations

### 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	PRD987374980	No	05/31/2025	0	05/30/2025
SDWA	PR0165021	No	12/31/2024	0	05/08/2025

### 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: PRD987374980)		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										
	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
SDWA (Source ID: PR0165021)		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	10/01-12/31/24
	Facility-Level Status	Inactive	Inact										
	Category	Violation Type											

\*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#sdwacomp>>

SDWA Compliance Data Last Reported: 12/31/2024

## 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

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

Source ID	Noncompliance Period	Violation ID	Federal Rule	Violations						Enforcement Actions					
				Contaminant	Category	Description	Measured Value	State MCL (Maximum Contaminant Level)	Federal MCL (Maximum Contaminant Level)	Status	Date	Category	Description	Agency	
PR0165021	--	--	--	--	--	--	--	--	--	--	--	12/05/1997	Informal	State Violation/Reminder Notice	EPA
PR0165021	--	--	--	--	--	--	--	--	--	--	--	06/04/1996	Informal	State Violation/Reminder Notice	EPA
PR0165021	--	--	--	--	--	--	--	--	--	--	--	09/30/1991	Informal	State Formal Notice of Violation issued	State
PR0165021	--	--	--	--	--	--	--	--	--	--	--	07/18/1991	Informal	State Formal Notice of Violation issued	State
PR0165021	--	--	--	--	--	--	--	--	--	--	--	04/08/1991	Informal	State Violation/Reminder Notice	State
PR0165021	--	--	--	--	--	--	--	--	--	--	--	03/15/1991	Informal	State Violation/Reminder Notice	State

### Environmental Conditions

## Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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
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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
PRD987374980	Hazardous Waste	785	454	680	--
PRD987374980	Acute Hazardous Waste	0	0	0	--
PRD987374980	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))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	6,648	Children 5 years and younger	214 (3%)
Population Density	6,486/sq.mi.	Minors 17 years and younger	867 (13%)
Housing Units in Area	3,926	Adults 18 years and older	5,780 (87%)
Percent People of Color	94%	Seniors 65 years and older	1,917 (29%)
Households in Area	3,030		
Households on Public Assistance	233	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	3,449	White	3,222 (48%)
Percent With Low Income	54%	African-American	595 (9%)
		Hispanic-Origin	6,225 (94%)
		Asian	1 (0%)
		Hawaiian/Pacific Islander	1 (0%)
		American Indian	1 (0%)
		Other/Multiracial	1,093 (16%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	350 (6.48%)
Center Latitude	18.465972	9th through 12th Grade	311 (5.76%)
Center Longitude	-66.109148	High School Diploma	1,231 (22.8%)
Total Area	--	Some College/2-year	515 (9.54%)
Land Area	33%		
Water Area	67%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	825 (27.24%)		



# Detailed Facility Report

## Facility Summary

**HURRICANE REBUILD PHASES I AND II**

**LA PUNTILLA STREET, SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110071427849

**EPA Region:** 02

**Latitude:** 18.4603

**Longitude:** -66.1166

**Locational Data Source:** NPDES

**Industries:** --

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
<b>Compliance Status</b>	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 Effective (PRR1000HD)

**Resource Conservation and Recovery Act (RCRA):** No Information

**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		110071427849					N	18.4603	-66.1166
ICIS-NPDES	CWA	PRR1000HD	Non-Major: General Permit Covered Facility	Effective	Construction Stormwater	02/16/2027	N	18.4603	-66.1166

**Facility Address**

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110071427849	HURRICANE REBUILD PHASES I AND II	LA PUNTILLA STREET, SAN JUAN, PR 00901	San Juan Municipio
ICIS-NPDES	CWA	PRR1000HD	HURRICANE REBUILD PHASES I AND II	LA PUNTILLA STREET, SAN JUAN, PR 00901	

**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

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
CWA	PRR1000HD	No	03/31/2025	0	08/15/2025

## 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: PRR1000HD)		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	04/01-08/15/25
	Facility-Level Status	No Violation Identified	Undetermined											
	Quarterly Noncompliance Report History													

## Informal Enforcement Actions

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

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?
210100050501	Laguna San Jose, Laguna Torrecilla, Laguna de Pinones D Watersheds	ATLANTIC OCEAN	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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

#### 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/dfri-data-dictionary#demographic>>.

#### General Statistics (ACS (American Community Survey))

Total Persons	5,433
Population Density	6,575/sq.mi.
Housing Units in Area	3,398
Percent People of Color	94%
Households in Area	2,598
Households on Public Assistance	151
Persons With Low Income	2,751
Percent With Low Income	51%

#### Geography

Radius of Selected Area	1 mi.
Center Latitude	18.4603
Center Longitude	-66.1166
Total Area	3.121 sq.mi.
Land Area	26%
Water Area	74%

#### Income Breakdown (ACS (American Community Survey)) - Households (%)

Less than \$15,000	653 (25.13%)
\$15,000 - \$25,000	553 (21.28%)
\$25,000 - \$50,000	504 (19.39%)
\$50,000 - \$75,000	275 (10.58%)
Greater than \$75,000	614 (23.62%)

#### Age Breakdown (ACS (American Community Survey)) - Persons (%)

Children 5 years and younger	178 (3%)
Minors 17 years and younger	758 (14%)
Adults 18 years and older	4,676 (86%)
Seniors 65 years and older	1,534 (28%)

#### Race Breakdown (ACS (American Community Survey)) - Persons (%)

White	2,610 (48%)
African-American	435 (8%)
Hispanic-Origin	5,068 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	922 (17%)

#### Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)

Less than 9th Grade	261 (5.96%)
9th through 12th Grade	227 (5.19%)
High School Diploma	951 (21.73%)
Some College/2-year	430 (9.83%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,240 (51.19%)



# Detailed Facility Report

## Facility Summary

**INSTITUTO DE CULTURA**

**BENEFICIENCIA ST OLD SAN JUAN, SAN JUAN, PR 00936**

**FRS (Facility Registry Service) ID:** 110039558653

**EPA Region:** 02

**Latitude:** 18.46745

**Longitude:** -66.1192

**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	12/04/2008
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, (PRN008021396)

**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		110039558653					N	18.46745	-66.1192
RCRAInfo	RCRA	PRN008021396	Other	Inactive ( )			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110039558653	INSTITUTO DE CULTURA	BENEficiENCIA ST OLD SAN JUAN, SAN JUAN, PR 00936	San Juan Municipio
RCRAInfo	RCRA	PRN008021396	INSTITUTO DE CULTURA	BENEficiENCIA ST OLD SAN JUAN, SAN JUAN, PR 00936	San Juan 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	PRN008021396	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: PRN008021396)	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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

### 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	5,125	Children 5 years and younger	166 (3%)
Population Density	8,336/sq.mi.	Minors 17 years and younger	701 (14%)
Housing Units in Area	3,177	Adults 18 years and older	4,422 (86%)
Percent People of Color	93%	Seniors 65 years and older	1,468 (29%)
Households in Area	2,439		
Households on Public Assistance	140	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	2,529	White	2,515 (49%)
Percent With Low Income	50%	African-American	403 (8%)
		Hispanic-Origin	4,767 (93%)
		Asian	1 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	3 (0%)
		Other/Multiracial	825 (16%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	247 (5.95%)
Center Latitude	18.46745	9th through 12th Grade	211 (5.09%)
Center Longitude	-66.1192	High School Diploma	891 (21.48%)
Total Area	--	Some College/2-year	404 (9.74%)
Land Area	20%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,140 (51.59%)
Water Area	80%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	571 (23.42%)		
\$15,000 - \$25,000	534 (21.9%)		
\$25,000 - \$50,000	482 (19.77%)		
\$50,000 - \$75,000	267 (10.95%)		
Greater than \$75,000	584 (23.95%)		



# Detailed Facility Report

## Facility Summary

**JOSE V. TOLEDO US POST OFFICE AND COURTHOUSE**

**COMERCIO & TANCA ST, SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110006869022

**EPA Region:** 02

**Latitude:** 18.46389

**Longitude:** -66.11413

**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, (PR6470000906)

**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		110006869022					N	18.46389	-66.11413
SEMS	CERCLA	PR0002111664					N		
RCRAInfo	RCRA	PR6470000906	Other	Inactive ( )			N		

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110006869022	JOSE V. TOLEDO US POST OFFICE AND COURTHOUSE	COMERCIO & TANCA ST, SAN JUAN, PR 00901	San Juan Municipio
SEMS	CERCLA	PR0002111664	SAN JUAN POST OFFICE AND COURTHOUSE	COMERICO AND TANCA ST., SAN JUAN, PR 00906	
RCRAInfo	RCRA	PR6470000906	US POST OFFICE & COURTHOUSE	COMERCIO & TANCA ST, SAN JUAN, PR 00906	San Juan 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	PR6470000906	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: PR6470000906)	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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

### 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))	
Total Persons	5,793
Population Density	6,565/sq.mi.
Housing Units in Area	3,587
Percent People of Color	94%
Households in Area	2,751
Households on Public Assistance	183
Persons With Low Income	3,019
Percent With Low Income	53%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46389
Center Longitude	-66.11413
Total Area	--
Land Area	28%
Water Area	72%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	713 (25.92%)
\$15,000 - \$25,000	599 (21.77%)
\$25,000 - \$50,000	527 (19.16%)
\$50,000 - \$75,000	277 (10.07%)
Greater than \$75,000	635 (23.08%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	189 (3%)
Minors 17 years and younger	793 (14%)
Adults 18 years and older	4,999 (86%)
Seniors 65 years and older	1,690 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,766 (48%)
African-American	461 (8%)
Hispanic-Origin	5,409 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	993 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	287 (6.12%)
9th through 12th Grade	248 (5.29%)
High School Diploma	1,017 (21.7%)
Some College/2-year	450 (9.6%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,387 (50.93%)



# Detailed Facility Report

## Facility Summary

**KODAK RAHOLA**

**AVE PONCE DE LEON PDA 15, SANTURCE, PR 00907**

**FRS (Facility Registry Service) ID:** 110000854111

**EPA Region:** 02

**Latitude:** 18.465937

**Longitude:** -66.109809

**Locational Data Source:** FRS

**Industries:** Wholesale Trade, Durable Goods

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	11/23/1999
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, (PRD987381605)

**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		110000854111					N	18.465937	-66.109809
RCRAInfo	RCRA	PRD987381605	Other	Inactive ( )			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110000854111	KODAK RAHOLA	AVE PONCE DE LEON PDA 15, SANTURCE, PR 00907	Mayagüez Municipio
RCRAInfo	RCRA	PRD987381605	KODAK RAHOLA	AVE PONCE DE LEON PDA 15, SANTURCE, PR 00907	Mayagüez 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	PRD987381605	42141	Photographic Equipment and Supplies Wholesalers

### 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	PRD987381605	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: PRD987381605)		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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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	6,460	Children 5 years and younger	208 (3%)
Population Density	6,451/sq.mi.	Minors 17 years and younger	850 (13%)
Housing Units in Area	3,879	Adults 18 years and older	5,610 (87%)
Percent People of Color	94%	Seniors 65 years and older	1,901 (29%)
Households in Area	2,989	<b>Race Breakdown (ACS (American Community Survey)) - Persons (%)</b>	
Households on Public Assistance	228	White	3,110 (48%)
Persons With Low Income	3,404	African-American	552 (9%)
Percent With Low Income	54%	Hispanic-Origin	6,045 (94%)
<b>Geography</b>		Asian	1 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	1 (0%)
Center Latitude	18.465937	American Indian	1 (0%)
Center Longitude	-66.109809	Other/Multiracial	1,084 (17%)
Total Area	--	<b>Education Level (Persons 25 &amp; older) (ACS (American Community Survey)) - Persons (%)</b>	
Land Area	32%	Less than 9th Grade	335 (6.39%)
Water Area	68%	9th through 12th Grade	295 (5.62%)
<b>Income Breakdown (ACS (American Community Survey)) - Households (%)</b>		High School Diploma	1,175 (22.4%)
Less than \$15,000	812 (27.15%)	Some College/2-year	497 (9.47%)
\$15,000 - \$25,000	666 (22.27%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,599 (49.54%)
\$25,000 - \$50,000	556 (18.59%)		
\$50,000 - \$75,000	287 (9.6%)		
Greater than \$75,000	670 (22.4%)		



# Detailed Facility Report

## Facility Summary

**LGA INC**

**105 SAN JOSE, SAN JUAN, PR 00902**

**FRS (Facility Registry Service) ID:** 110014362484

**EPA Region:** 02

**Latitude:** 18.46629

**Longitude:** -66.11737

**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, (PRN008010860)

**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		110014362484					N	18.46629	-66.11737
RCRAInfo	RCRA	PRN008010860	Other	Inactive ( )			N		

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110014362484	LGA INC	105 SAN JOSE, SAN JUAN, PR 00902	San Juan Municipio
RCRAInfo	RCRA	PRN008010860	LGA INC	105 SAN JOSE, SAN JUAN, PR 00902	San Juan 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	PRN008010860	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: PRN008010860)	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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

#### 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))	
Total Persons	5,334
Population Density	7,858/sq.mi.
Housing Units in Area	3,312
Percent People of Color	93%
Households in Area	2,540
Households on Public Assistance	155
Persons With Low Income	2,677
Percent With Low Income	51%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46629
Center Longitude	-66.11737
Total Area	--
Land Area	22%
Water Area	78%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	617 (24.3%)
\$15,000 - \$25,000	554 (21.82%)
\$25,000 - \$50,000	497 (19.57%)
\$50,000 - \$75,000	268 (10.56%)
Greater than \$75,000	603 (23.75%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	170 (3%)
Minors 17 years and younger	727 (14%)
Adults 18 years and older	4,607 (86%)
Seniors 65 years and older	1,550 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,594 (49%)
African-American	420 (8%)
Hispanic-Origin	4,970 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	876 (16%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	262 (6.06%)
9th through 12th Grade	224 (5.18%)
High School Diploma	932 (21.56%)
Some College/2-year	418 (9.67%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,223 (51.42%)



# Detailed Facility Report

## Facility Summary

**LUIS MUNOZ MARIN INTERNATIONAL AIRPORT PORT OF ENTRY**

**1 LA PUNTILLA, SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110004890155

**EPA Region:** 02

**Latitude:** 18.46291

**Longitude:** -66.11575

**Locational Data Source:** FRS

**Industries:** --

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	05/25/2008
<b>Compliance Status</b>	<b>No Violation Identified</b>
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	05/22/2008
<b>Compliance Status</b>	<b>No Violation Identified</b>
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 (PR0000007212790000)

**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):** Active VSQG, (PRD987380300)

**Toxic Releases (TRI):** No Information

**Safe Drinking Water Act (SDWA):** 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		110004890155					N	18.46291	-66.11575
ICIS		1000003097					N	18.460686	-66.117213
ICIS		1000003098					N	18.460686	-66.117213
ICIS		1000003099					N	18.460686	-66.117213
ICIS-Air	CAA	PR0000007212790000	Minor Emissions	Operating	CAACFC		N	18.46291	-66.11575
RCRAInfo	RCRA	PRD987380300	VSQG	Active (H)			N	18.460686	-66.117213

**Facility Address**

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004890155	LUIS MUNOZ MARIN INTERNATIONAL AIRPORT PORT OF ENTRY	1 LA PUNTILLA, SAN JUAN, PR 00901	San Juan Municipio
ICIS		1000003097	US CUSTOM SERVICES	1 LA PUNTILLA, SAN JUAN, PR 00901	San Juan Municipio
ICIS		1000003098	US CUSTOM SERVICES	1 LA PUNTILLA, SAN JUAN, PR 00901	San Juan Municipio
ICIS		1000003099	US CUSTOM SERVICES	1 LA PUNTILLA, SAN JUAN, PR 00901	San Juan Municipio
ICIS-Air	CAA	PR0000007212790000	US CUSTOM SERVICES	1 LA PUNTILLA, SAN JUAN, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PRD987380300	US CUSTOM LABORATORY	PUNTILLA ST 1, SAN JUAN, PR 00901	San Juan Municipio

**Facility SIC (Standard Industrial Classification) Codes**

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007212790000	4731	Freight Transportation Arrangement

**Facility NAICS (North American Industry Classification System) Codes**

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007212790000	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	PR0000007212790000	No	05/31/2025	0	05/30/2025
RCRA	PRD987380300	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
CAA (Source ID: PR0000007212790000)		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										
HPV History												

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	
	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: PRD987380300)				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										
	Violation		Agency												

### Informal Enforcement Actions

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

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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

### 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))	
Total Persons	5,587
Population Density	6,780/sq.mi.
Housing Units in Area	3,473
Percent People of Color	94%
Households in Area	2,662
Households on Public Assistance	165
Persons With Low Income	2,862
Percent With Low Income	52%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46291
Center Longitude	-66.11575
Total Area	--
Land Area	26%
Water Area	74%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	674 (25.35%)
\$15,000 - \$25,000	574 (21.59%)
\$25,000 - \$50,000	514 (19.33%)
\$50,000 - \$75,000	274 (10.3%)
Greater than \$75,000	623 (23.43%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	181 (3%)
Minors 17 years and younger	769 (14%)
Adults 18 years and older	4,818 (86%)
Seniors 65 years and older	1,613 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,683 (48%)
African-American	445 (8%)
Hispanic-Origin	5,215 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	949 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	274 (6.07%)
9th through 12th Grade	236 (5.23%)
High School Diploma	980 (21.71%)
Some College/2-year	438 (9.7%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,308 (51.12%)



# Detailed Facility Report

## Facility Summary

**OFICINA DEL GOBERNADOR**

**CALLE FORTELEZA, SAN JUAN, PR 00902**

**FRS (Facility Registry Service) ID:** 110007820439

**EPA Region:** 02

**Latitude:** 18.464929

**Longitude:** -66.115975

**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	03/12/2002
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,  
(PRR000007344)

**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		110007820439					N	18.464929	-66.115975
RCRAInfo	RCRA	PRR000007344	VSQG	Active (H)			N	18.464929	-66.115975

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007820439	OFICINA DEL GOBERNADOR	CALLE FORTELEZA, SAN JUAN, PR 00902	San Juan Municipio
RCRAInfo	RCRA	PRR000007344	OFICINA DEL GOBERNADOR	CALLE FORTELEZA, SAN JUAN, PR 00902	San Juan 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	PRR000007344	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: PRR000007344)	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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

#### 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))	
Total Persons	5,537
Population Density	7,178/sq.mi.
Housing Units in Area	3,434
Percent People of Color	94%
Households in Area	2,633
Households on Public Assistance	166
Persons With Low Income	2,825
Percent With Low Income	51%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.464929
Center Longitude	-66.115975
Total Area	--
Land Area	25%
Water Area	75%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	658 (24.99%)
\$15,000 - \$25,000	574 (21.8%)
\$25,000 - \$50,000	510 (19.37%)
\$50,000 - \$75,000	272 (10.33%)
Greater than \$75,000	619 (23.51%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	178 (3%)
Minors 17 years and younger	757 (14%)
Adults 18 years and older	4,781 (86%)
Seniors 65 years and older	1,612 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,671 (48%)
African-American	438 (8%)
Hispanic-Origin	5,166 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	930 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	273 (6.09%)
9th through 12th Grade	234 (5.22%)
High School Diploma	970 (21.63%)
Some College/2-year	433 (9.66%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,296 (51.2%)



# Detailed Facility Report

## Facility Summary

### OTIS ELEVATOR

EL PARAISO, SAN JUAN, PR 00926

FRS (Facility Registry Service) ID: 110061054594

EPA Region: 02

Latitude: 18.4642

Longitude: -66.11774

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	08/28/2014
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 SQG, (PRN008026965)

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		110061054594					N	18.4642	-66.11774
RCRAInfo	RCRA	PRN008026965	SQG	Active (H)			N	18.356667	-66.145887

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110061054594	OTIS ELEVATOR	EL PARAISO, SAN JUAN, PR 00926	San Juan Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
RCRAInfo	RCRA	PRN008026965	OTIS ELEVATOR	EL PARAISO, SAN JUAN, PR 00926	San Juan 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

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

This table shows how violations relate to compliance monitoring (CM) activities and enforcement. Currently available for CAA and RCRA only. Full CM history available below.

No data records returned

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

### Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
RCRA	PRN008026965	RCRAInfo/ICIS	Offsite Record Review	Non-Financial Record Review	EPA	09/16/2021	No Violations Or Compliance Issues Were Found

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	PRN008026965	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: PRN008026965)		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										
	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 (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						

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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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))	
Total Persons	5,332
Population Density	7,518/sq.mi.
Housing Units in Area	3,321
Percent People of Color	93%
Households in Area	2,543
Households on Public Assistance	151
Persons With Low Income	2,678
Percent With Low Income	51%

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	172 (3%)
Minors 17 years and younger	733 (14%)
Adults 18 years and older	4,600 (86%)
Seniors 65 years and older	1,532 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,584 (48%)
African-American	423 (8%)
Hispanic-Origin	4,969 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	883 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	260 (6.03%)
9th through 12th Grade	222 (5.15%)
High School Diploma	932 (21.61%)
Some College/2-year	418 (9.69%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,215 (51.37%)

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.4642
Center Longitude	-66.11774
Total Area	--
Land Area	23%
Water Area	77%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	622 (24.46%)
\$15,000 - \$25,000	551 (21.67%)
\$25,000 - \$50,000	497 (19.54%)
\$50,000 - \$75,000	270 (10.62%)
Greater than \$75,000	603 (23.71%)



# Detailed Facility Report

## Facility Summary

**PUERTO RICO DRUG**

**157 SAN FRANCISCO ST, SAN JUAN, PR 00936**

**FRS (Facility Registry Service) ID:** 110040521682

**EPA Region:** 02

**Latitude:** 18.46549

**Longitude:** -66.11638

**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	03/20/2009
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, (PRN000022442), Inactive Other, (PRN008022030)

**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		110040521682					N	18.46549	-66.11638
RCRAInfo	RCRA	PRN000022442	Other	Inactive ( )			N		
RCRAInfo	RCRA	PRN008022030	Other	Inactive ( )			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110040521682	PUERTO RICO DRUG	157 SAN FRANCISCO ST, SAN JUAN, PR 00936	San Juan Municipio
RCRAInfo	RCRA	PRN000022442	PUERTO RICO DRUG	157 SAN FRANCISCO ST, SAN JUAN, PR 00936	San Juan Municipio
RCRAInfo	RCRA	PRN008022030	PUERTO RICO DRUG	157 SAN FRANCISCO ST, SAN JUAN, PR 00936	San Juan 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	PRN000022442	No	05/31/2025	0	05/30/2025
RCRA	PRN008022030	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: PRN000022442)		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										
	Violation Agency											
RCRA (Source ID: PRN008022030)		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										
	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?
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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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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))	
Total Persons	5,472
Population Density	7,400/sq.mi.
Housing Units in Area	3,394
Percent People of Color	94%
Households in Area	2,603
Households on Public Assistance	162
Persons With Low Income	2,776
Percent With Low Income	51%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46549
Center Longitude	-66.11638
Total Area	--
Land Area	24%
Water Area	76%

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	176 (3%)
Minors 17 years and younger	746 (14%)
Adults 18 years and older	4,726 (86%)
Seniors 65 years and older	1,595 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,648 (48%)
African-American	432 (8%)
Hispanic-Origin	5,105 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	912 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	271 (6.11%)
9th through 12th Grade	231 (5.21%)
High School Diploma	958 (21.6%)



# Detailed Facility Report

## Facility Summary

**U S COAST GUARD SAN JUAN BASE**

**CALLE LA PUNTILLA FINAL 5, SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110006868988

**EPA Region:** 02

**Latitude:** 18.459207

**Longitude:** -66.116446

**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	05/22/2008
Compliance Status	Not Applicable
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	04/23/2009
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, (PRU000602)

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Resource Conservation and Recovery Act (RCRA):** Inactive Other, (PR8690300902), Active SQG, (PR1690360614), Inactive Other, (PR6690360619), Inactive Other, (PR5690371526)

**Toxic Releases (TRI):** No Information

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

**Safe Drinking Water Act (SDWA):** 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		110006868988					N	18.459207	-66.116446
ICIS		1000003780					N	18.458958	-66.116583
ICIS		1400005144					N	18.459207	-66.116446
ICIS		43159					N	18.458958	-66.116583
ICIS-NPDES	CWA	PRU000602	Non-Major: Unpermitted Facility				N	18.458958	-66.116583
RCRAInfo	RCRA	PR8690300902	Other	Inactive (I)			N	18.459207	-66.116446
RCRAInfo	RCRA	PR1690360614	SQG	Active (H)			N	18.459544	-66.115497
RCRAInfo	RCRA	PR6690360619	Other	Inactive (I)			N	18.459207	-66.116446
RCRAInfo	RCRA	PR5690371526	Other	Inactive (I)			N	18.459207	-66.116446

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110006868988	U S COAST GUARD SAN JUAN BASE	CALLE LA PUNTILLA FINAL 5, SAN JUAN, PR 00901	San Juan Municipio
ICIS		1000003780	U S COAST GUARD SAN JUAN BASE	LA PUNTILLA FINAL STREET, SAN JUAN, PR 00936	San Juan Municipio
ICIS		1400005144	OLD COAST GUARD FACILITIES	LA PUNTILLA FINAL STREET, SAN JUAN, PR 00936	San Juan Municipio
ICIS		43159	U S COAST GUARD SAN JUAN BASE	LA PUNTILLA FINAL STREET, SAN JUAN, PR 00936	San Juan Municipio
ICIS-NPDES	CWA	PRU000602	US COAST GUARD IN SAN JUAN	LA PUNTILLA FINAL ST. #5, SAN JUAN, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PR8690300902	US COAST GUARD	LA PUNTILLA COAST GUARD BASE, SAN JUAN, PR 00902	San Juan Municipio
RCRAInfo	RCRA	PR1690360614	US COAST GUARD SECTOR SAN JUAN	5 LA PUNTILLA ST FINAL, SAN JUAN, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PR6690360619	USCGRADSTA SAN JUAN	SANTO TORIBIO - BASE SAN JUAN, SAN JUAN, PR 00903	San Juan Municipio
RCRAInfo	RCRA	PR5690371526	US COAST GUARD	OLD SAN JUAN-LA PUNTILLA, SAN JUAN, PR 00936	San Juan 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	PR1690360614	92811	National Security

### Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline 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
CWA	PRU000602	No	12/31/2024	0	05/30/2025
RCRA	PR8690300902	No	05/31/2025	0	05/30/2025
RCRA	PR1690360614	No	05/31/2025	0	05/30/2025

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PR6690360619	No	05/31/2025	0	05/30/2025
RCRA	PR5690371526	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
CWA (Source ID: PRU000602)		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	Not Applicable										
	Quarterly Noncompliance Report History											

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: PR1690360614)		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										
	Violation											
	Agency											
RCRA (Source ID: PR5690371526)		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										
	Violation											
	Agency											
RCRA (Source ID: PR6690360619)		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										
	Violation											
	Agency											
RCRA (Source ID: PR8690300902)		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										
	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 (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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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
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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

### 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
PR1690360614	Hazardous Waste	4,515	1,741	1,130	--
PR1690360614	Acute Hazardous Waste	0	0	0	--
PR1690360614	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	5,451
Population Density	6,456/sq.mi.
Housing Units in Area	3,420
Percent People of Color	94%
Households in Area	2,611
Households on Public Assistance	150
Persons With Low Income	2,757
Percent With Low Income	51%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.459207
Center Longitude	-66.116446
Total Area	--
Land Area	27%
Water Area	73%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	659 (25.23%)
\$15,000 - \$25,000	553 (21.17%)
\$25,000 - \$50,000	508 (19.45%)
\$50,000 - \$75,000	279 (10.68%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	181 (3%)
Minors 17 years and younger	765 (14%)
Adults 18 years and older	4,685 (86%)
Seniors 65 years and older	1,520 (28%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,611 (48%)
African-American	438 (8%)
Hispanic-Origin	5,084 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	923 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	263 (6%)
9th through 12th Grade	226 (5.16%)
High School Diploma	955 (21.8%)
Some College/2-year	431 (9.84%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,233 (50.97%)



# Detailed Facility Report

## Facility Summary

**UNIVERSITY CARLOS ALBIZU**

**205 LUNA ST, OLD SAN JUAN, PR 00902**

**FRS (Facility Registry Service) ID:** 110059672634

**EPA Region:** 02

**Latitude:** 18.46648

**Longitude:** -66.115172

**Locational Data Source:** RCRAINFO

**Industries:** Construction of Buildings

**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 SQG, (PRR000024794)

**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		110059672634					N	18.46648	-66.115172
RCRAInfo	RCRA	PRR000024794	SQG	Active (H)			N	18.46648	-66.115172

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110059672634	UNIVERSITY CARLOS ALBIZU	205 LUNA ST, OLD SAN JUAN, PR 00902	San Juan Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
RCRAInfo	RCRA	PRR000024794	UNIVERSITY CARLOS ALBIZU	205 LUNA ST, OLD SAN JUAN, PR 00902	San Juan 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	PRR000024794	236210	Industrial Building Construction

### 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	PRR000024794	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: PRR000024794)		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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

### 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	5,593	Children 5 years and younger	179 (3%)
Population Density	7,337/sq.mi.	Minors 17 years and younger	760 (14%)
Housing Units in Area	3,457	Adults 18 years and older	4,833 (86%)
Percent People of Color	94%	Seniors 65 years and older	1,645 (29%)
Households in Area	2,654	<b>Race Breakdown (ACS (American Community Survey)) - Persons (%)</b>	
Households on Public Assistance	172	White	2,698 (48%)
Persons With Low Income	2,866	African-American	441 (8%)
Percent With Low Income	52%	Hispanic-Origin	5,218 (93%)
<b>Geography</b>		Asian	1 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.46648	American Indian	1 (0%)
Center Longitude	-66.115172	Other/Multiracial	937 (17%)
Total Area	--	<b>Education Level (Persons 25 &amp; older) (ACS (American Community Survey)) - Persons (%)</b>	
Land Area	24%	Less than 9th Grade	280 (6.17%)
Water Area	76%	9th through 12th Grade	237 (5.22%)
<b>Income Breakdown (ACS (American Community Survey)) - Households (%)</b>		High School Diploma	980 (21.6%)
Less than \$15,000	665 (25.06%)	Some College/2-year	435 (9.59%)
\$15,000 - \$25,000	581 (21.89%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,323 (51.19%)
\$25,000 - \$50,000	514 (19.37%)		
\$50,000 - \$75,000	272 (10.25%)		
Greater than \$75,000	622 (23.44%)		



# Detailed Facility Report

## Facility Summary

**UNIVERSITY OF PUERTO RICO**

**201 DEL VALLE BLVD, SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110064279828

**EPA Region:** 02

**Latitude:** 18.468258

**Longitude:** -66.116751

**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	--
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, (PRR000014738)

**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		110064279828					N	18.468258	-66.116751
RCRAInfo	RCRA	PRR000014738	Other	Inactive ( )			N	18.468258	-66.116751

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110064279828	UNIVERSITY OF PUERTO RICO	201 DEL VALLE BLVD, SAN JUAN, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PRR000014738	UNIVERSITY OF PUERTO RICO	201 DEL VALLE BLVD, SAN JUAN, PR 00901	San Juan 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	PRR000014738	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: PRR000014738)	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										
	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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

#### 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))	
Total Persons	5,325
Population Density	8,217/sq.mi.
Housing Units in Area	3,294
Percent People of Color	93%
Households in Area	2,530
Households on Public Assistance	157
Persons With Low Income	2,668
Percent With Low Income	50%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.468258
Center Longitude	-66.116751
Total Area	--
Land Area	21%
Water Area	79%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	608 (24.05%)
\$15,000 - \$25,000	557 (22.03%)
\$25,000 - \$50,000	495 (19.58%)
\$50,000 - \$75,000	266 (10.52%)
Greater than \$75,000	602 (23.81%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	168 (3%)
Minors 17 years and younger	720 (14%)
Adults 18 years and older	4,605 (86%)
Seniors 65 years and older	1,564 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,597 (49%)
African-American	417 (8%)
Hispanic-Origin	4,961 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	867 (16%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	265 (6.13%)
9th through 12th Grade	224 (5.18%)
High School Diploma	929 (21.48%)
Some College/2-year	415 (9.6%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,228 (51.51%)



# Detailed Facility Report

## Facility Summary

**US FEDERAL BANKRUPTCY COURT**

**300 C. RECINTO SUR, SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110012267028

**EPA Region:** 02

**Latitude:** 18.463879

**Longitude:** -66.114449

**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	--
<b>Compliance Status</b>	<b>No Violation Identified</b>
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, (PRR000014100)

**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		110012267028					N	18.463879	-66.114449
RCRAInfo	RCRA	PRR000014100	Other	Inactive ( )			N		

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110012267028	US FEDERAL BANKRUPTCY COURT	300 C. RECINTO SUR, SAN JUAN, PR 00901	
RCRAInfo	RCRA	PRR000014100	US FEDERAL BANKRUPTCY COURT	CALLE ATOCHA 2ND FL, PONCE, PR 00969-4429	Ponce Municipio

## 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	PRR000014100	No	08/16/2025	0	08/15/2025

### 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+
RCRA (Source ID: PRR000014100)		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											
	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 (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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

## 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))

Total Persons	5,752
Population Density	6,630/sq.mi.
Housing Units in Area	3,563
Percent People of Color	94%
Households in Area	2,733
Households on Public Assistance	180
Persons With Low Income	2,987
Percent With Low Income	52%

#### Geography

Radius of Selected Area	1 mi.
Center Latitude	18.463879
Center Longitude	-66.114449
Total Area	3.121 sq.mi.
Land Area	28%
Water Area	72%

#### Income Breakdown (ACS (American Community Survey)) - Households (%)

Less than \$15,000	707 (25.87%)
\$15,000 - \$25,000	594 (21.73%)
\$25,000 - \$50,000	523 (19.14%)
\$50,000 - \$75,000	276 (10.1%)
Greater than \$75,000	633 (23.16%)

#### Age Breakdown (ACS (American Community Survey)) - Persons (%)

Children 5 years and younger	188 (3%)
Minors 17 years and younger	788 (14%)
Adults 18 years and older	4,965 (86%)
Seniors 65 years and older	1,678 (29%)

#### Race Breakdown (ACS (American Community Survey)) - Persons (%)

White	2,751 (48%)
African-American	457 (8%)
Hispanic-Origin	5,371 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	983 (17%)

#### Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)

Less than 9th Grade	285 (6.13%)
9th through 12th Grade	244 (5.24%)
High School Diploma	1,010 (21.71%)
Some College/2-year	449 (9.65%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,371 (50.96%)



# Detailed Facility Report

## Facility Summary

**USCG BASE SAN JUAN**

**5 LA PUNTILLASTREET (FINAL), SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110070382597

**EPA Region:** 02

**Latitude:** 18.458941

**Longitude:** -66.116455

**Locational Data Source:** NPDES

**Industries:** --

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	Significant/Category I Noncompliance
Qtrs in Noncompliance (of 12)	5
Qtrs with Significant Violation	5
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 Effective (PRR05J005)

**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		110070382597					N	18.458941	-66.116455
ICIS-NPDES	CWA	PRR05J005	Non-Major: General Permit Covered Facility	Effective	Industrial Stormwater	02/28/2026	N	18.4609	-66.1168

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070382597	USCG BASE SAN JUAN	5 LA PUNTILLASTREET (FINAL), SAN JUAN, PR 00901	San Juan Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
ICIS-NPDES	CWA	PRR05J005	USCG BASE SAN JUAN	5 LA PUNTILLASTREET (FINAL), SAN JUAN, PR 00901	

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PRR05J005	3732	Boat Building And Repairing
ICIS-NPDES	PRR05J005	4499	Water Transportation Services

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

### Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline 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
CWA	PRR05J005	Yes	12/31/2024	5	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
	CWA (Source ID: PRR05J005)	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
	<b>Facility-Level Status</b>	Significant/Category I Noncompliance	Significant/Category I Noncompliance	Significant/Category I Noncompliance	Significant/Category I Noncompliance	No Violation Identified				
	<b>Quarterly Noncompliance Report History</b>	Failure to Report DMR - Not Received	Resolved							
	<b>Benchmark Threshold Exceedances (No Violation): Pollutant</b>	Disch Point	Mon Loc	Freq						
CWA	Aluminum, total recoverable <effluent-charts#pr05j005/01104>	001 - Q1	Effluent Gross	NMth	64%					
CWA	Zinc, total recoverable <effluent-charts#pr05j005/01094>	001 - Q1	Effluent Gross	NMth	11%	89%	233%			
CWA	Aluminum, total recoverable <effluent-charts#pr05j005/01104>	003 - Q1	Effluent Gross	NMth	73%	9%				

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	C
CWA	Zinc, total recoverable <effluent-charts#pr05j005/01094> [Redacted] <https://epa.gov/effluent-charts#pr05j005/01094>	003 - Q1	Effluent Gross	NMth	22%		2,067%	89%		
CWA	Aluminum, total recoverable <effluent-charts#pr05j005/01104> [Redacted] <https://epa.gov/effluent-charts#pr05j005/01104>	004 - Q1	Effluent Gross	NMth	255%	9%				
CWA	Zinc, total recoverable <effluent-charts#pr05j005/01094> [Redacted] <https://epa.gov/effluent-charts#pr05j005/01094>	004 - Q1	Effluent Gross	NMth	622%	56%	111%	22%		
CWA	Aluminum, total recoverable <effluent-charts#pr05j005/01104> [Redacted] <https://epa.gov/effluent-charts#pr05j005/01104>	005 - Q1	Effluent Gross	NMth	1,127%	18%				
CWA	Zinc, total recoverable <effluent-charts#pr05j005/01094> [Redacted] <https://epa.gov/effluent-charts#pr05j005/01094>	005 - Q1	Effluent Gross	NMth	19,900%	156%	6%	33%		
CWA	Aluminum, total recoverable <effluent-charts#pr05j005/01104> [Redacted] <https://epa.gov/effluent-charts#pr05j005/01104>	007 - Q1	Effluent Gross	NMth	345%					
CWA	Zinc, total recoverable <effluent-charts#pr05j005/01094> [Redacted] <https://epa.gov/effluent-charts#pr05j005/01094>	007 - Q1	Effluent Gross	NMth	844%	289%	89%	289%		
<b>Late or Missing Discharge Monitoring Report (DMR) Measurements</b>										
Counts of Missing DMR Measurements										

### 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?
210100050501	Laguna San Jose, Laguna Torrecilla, Laguna de Pinones D Watersheds	BAHIA DE SAN JUAN, SAN JUAN BAY	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
-------	--------------	--------------------	----------------------	-----------------	-----------------------	--------------------	----------------	----------------------	----------------	-----------

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
----------	-------------

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	5,463	Children 5 years and younger	182 (3%)
Population Density	6,441/sq.mi.	Minors 17 years and younger	766 (14%)
Housing Units in Area	3,435	Adults 18 years and older	4,696 (86%)
Percent People of Color	94%	Seniors 65 years and older	1,518 (28%)
Households in Area	2,619	<b>Race Breakdown (ACS (American Community Survey)) - Persons (%)</b>	
Households on Public Assistance	149	White	2,616 (48%)
Persons With Low Income	2,762	African-American	440 (8%)

<b>General Statistics (ACS (American Community Survey))</b>	
Percent With Low Income	51%
<b>Geography</b>	
Radius of Selected Area	1 mi.
Center Latitude	18.458941
Center Longitude	-66.116455
Total Area	--
Land Area	27%
Water Area	73%
<b>Income Breakdown (ACS (American Community Survey)) - Households (%)</b>	
Less than \$15,000	662 (25.25%)
\$15,000 - \$25,000	555 (21.17%)
\$25,000 - \$50,000	511 (19.49%)
\$50,000 - \$75,000	281 (10.72%)
Greater than \$75,000	613 (23.38%)

<b>Race Breakdown (ACS (American Community Survey)) - Persons (%)</b>	
Hispanic-Origin	5,097 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	920 (17%)
<b>Education Level (Persons 25 &amp; older) (ACS (American Community Survey)) - Persons (%)</b>	
Less than 9th Grade	267 (6.08%)
9th through 12th Grade	227 (5.17%)
High School Diploma	960 (21.87%)
Some College/2-year	432 (9.84%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,230 (50.8%)

**Environmental Topics** <https://www.epa.gov/environmental-topics>

**Laws & Regulations** <https://www.epa.gov/laws-regulations>

**Report a Violation** <https://www.epa.gov/report-violation>

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- Contact Us <https://www.epa.gov/waterdata/forms/contact-us-about-hows-my-waterway>

# How's My Waterway?

Explore, Discover and Learn about your water.

## Waterbody Report

**LAGUNA TORTUGUERO**  
Assessment Unit ID: PRNN0006

**Waterbody Condition:**  Impaired (Issues Identified)

**Existing Plans for Restoration:** No

**303(d) Listed:** Yes

**Year Reported:** 2024

**303(d) List Status:** EPA Final Action

**Other Years Reported:**  
2018 <https://epa.gov/waterbody-report/pr\_lakes/prnn0006/2018>, 2020 <https://epa.gov/waterbody-report/pr\_lakes/prnn0006/2020>, 2022 <https://epa.gov/waterbody-report/pr\_lakes/prnn0006/2022> (opens new browser tab)

**Organization Name (ID):** Puerto Rico (PR\_LAKES)

**What type of water is this?**  
Lagoon (0.8656 Square Miles)

**Where is this water located?**  
; HUC:

**Advanced Filtering** (opens new browser tab)

**Download Waterbody Data (2024)**  
 

**Assessment Information from 2024**

**State or Tribal Nation specific designated uses:**  
[Information on Water Quality Standards <https://www.epa.gov/wqs-tech/state-specific-water-quality-standards-effective-under-clean-water-act-cwa>](https://www.epa.gov/wqs-tech/state-specific-water-quality-standards-effective-under-clean-water-act-cwa) Expand All

**Aquatic Life** Impaired **>**

**Primary Contact Recreation** Insufficient Info **>**

**Secondary Contact (Recr)** Insufficient Info **>**

**Probable sources contributing to impairment from 2024:**  
Click a column heading to sort... Clear Filters

Source	Parameter	Co
<input type="text" value="Filter..."/>	<input type="text" value="Filter..."/>	<input type="text" value="Fi"/>
Urban Runoff/storm Sewers	Dissolved Oxygen	No
On-Site Treatment Systems (Septic Systems and Similar Decentralized Systems)	Dissolved Oxygen	No

Click a column heading to sort... Clear Filters

**Assessment Documents**

No documents are available

**Plans to Restore Water Quality**

**What plans are in place to protect or restore water quality?**

No plans specified for this waterbody.

Navigation icons: Home, Search, Add, Minus, Print, Full Screen

Scale bar: 5 km, 2 mi



## Discover.

### **Accessibility Statement**

<https://www.epa.gov/accessibility/epa-accessibility-statement>

### **Budget & Performance**

<https://www.epa.gov/planandbudget>

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## Follow.



Project PR-ESP-00163 EPWS elevation

JSON	Datos sin procesar	Cabeceras
Guardar	Copiar	Contraer todo Expandir todo <input type="text" value="Filtrar JSON"/>
▼ location:		
x:	-66.117648	
y:	18.467164	
▼ spatialReference:		
wkid:	4326	
latestWkid:	4326	
locationId:	0	
value:	106.0156718472258	
rasterId:	29996	
resolution:	1	

USCG BASE SAN JUAN., EPQS Elevation

JSON	Datos sin procesar	Cabeceras
Guardar	Copiar	Contraer todo Expandir todo <input type="text" value="Filtrar JSON"/>
▼ location:		
x:	-66.1155	
y:	18.4596	
▼ spatialReference:		
wkid:	4326	
latestWkid:	4326	
locationId:	0	
value:	0.49212601968504	
rasterId:	29996	
resolution:	1	



# Detailed Facility Report

## Facility Summary

**WALGREENS #169**

**201 LA CRUZ & SAN FRANCISCO, VIEJO SAN JUAN, PR 00901**

**FRS (Facility Registry Service) ID:** 110066978113

**EPA Region:** 02

**Latitude:** 18.465531

**Longitude:** -66.116281

**Locational Data Source:** RCRAINFO

**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	--
<b>Compliance Status</b>	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 LQG, (PRR000003152)

**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		110066978113					N	18.465531	-66.116281
RCRAInfo	RCRA	PRR000003152	LQG	Active (H)			N	18.465531	-66.116281

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110066978113	WALGREENS #169	201 LA CRUZ & SAN FRANCISCO, VIEJO SAN JUAN, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PRR000003152	WALGREENS #169	201 LA CRUZ & SAN FRANCISCO, VIEJO SAN JUAN, PR 00901	San Juan 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	PRR000003152	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)
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	PRR000003152	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: PRR000003152)		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										
	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										

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)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

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))	
Total Persons	5,485
Population Density	7,386/sq.mi.
Housing Units in Area	3,401
Percent People of Color	94%
Households in Area	2,609
Households on Public Assistance	162
Persons With Low Income	2,784
Percent With Low Income	51%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.465531
Center Longitude	-66.116281
Total Area	--
Land Area	24%
Water Area	76%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	645 (24.74%)
\$15,000 - \$25,000	568 (21.79%)
\$25,000 - \$50,000	507 (19.45%)
\$50,000 - \$75,000	272 (10.43%)
Greater than \$75,000	615 (23.59%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	176 (3%)
Minors 17 years and younger	747 (14%)
Adults 18 years and older	4,737 (86%)
Seniors 65 years and older	1,599 (29%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,651 (48%)
African-American	433 (8%)
Hispanic-Origin	5,114 (93%)
Asian	1 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	1 (0%)
Other/Multiracial	915 (17%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	271 (6.1%)
9th through 12th Grade	231 (5.2%)
High School Diploma	960 (21.6%)
Some College/2-year	428 (9.63%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,279 (51.27%)



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



## Table of Contents

EXECUTIVE SUMMARY .....	5
PART A. Background .....	8
1.0 Total Waters .....	8
2.0 Water Quality Area .....	10
3.0 Cost/Benefit Assessment.....	13
4.0 Special State Concerns and Recommendations.....	16
PART B. Assessment Methodology Used for 305(b)/303(d) Integrated Report for 2024 Cycle and Assessment Results.....	17
1.0 Assessment Units (AU).....	17
1.1 Assessment Unit for Inland Waters .....	17
1.2 Assessment Unit for Coastal Shoreline .....	24
2.0 Monitoring Program.....	25
2.1 Permanent Water Quality Monitoring Network .....	25
2.2 Special Monitoring Projects .....	31
2.3 Water Quality Existing Data.....	33
2.4 Water’s Quality Existing Data - Access Online .....	37
3.0 Designated Uses, and Applicable Water Quality Standards.....	38
4.0 Water Quality Assessment by Designated Uses.....	41
5.0 Assessment Categories.....	42
6.0 Description of Puerto Rico waters by designated uses, including the impairments from previous cycles .....	43
Rivers, Streams, and Creeks .....	44
Estuaries .....	73
San Juan Bay Estuary System .....	80
Lagoons .....	83
Lakes .....	86
Coastal Shoreline.....	92
PART C. CWA Section 314 (Clean Lakes Program).....	105
PART D. Wetlands and Coral Reefs .....	107
1.0 Wetlands.....	107
2.0 Coral Reef Ecosystem .....	110
PART E. 303(d) List .....	114
1.0 Listing Criteria .....	114
2.0 Delisting Criteria .....	115
3.0 Priority Ranking and TMDL Development Status .....	116
4.0 Clean Water Act 303(d) Program Vision Long – Term Vision.....	144
PART F. Public Participation.....	145
APPENDIX I – 2024 Cycle 303(d) List .....	146
APPENDIX II - 2024 Integrated Reporting (IR) Memo Comments .....	213
APPENDIX III - Public Notice .....	218
APPENDIX IV - Department of Natural and Environmental Resources Determination.....	221

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

## List of Figures

Figure 1: Watersheds in Puerto Rico .....	8
Figure 2: Reservoirs in Puerto Rico.....	9
Figure 3: Puerto Rico Coastal Shoreline Segmentation System .....	10
Figure 4: Water Quality Area Organization Chart.....	11
Figure 5: San Juan Bay Estuary System Monitoring Stations .....	36
Figure 6: NOAA - Bahía de Jobos Monitoring Stations.....	37
Figure 7: Buoys of CariCoos of NOAA .....	38
Figure 8: Puerto Rico Wetlands Type.....	109
Figure 9: Puerto Rico Wetlands Distribution.....	109
Figure 10: Benthic Habitats of Puerto Rico and the U.S. Virgin Islands.....	111
Figure 11: Example of one tile of the Benthic Map and the habitat classification .....	112
Figure 12: Benthic Habitats of PR and the Location of the PREQB Beach Monitoring Station .....	112
Figure 13: Benthic Habitats of PR and the Location of the PREQB Coastal Monitoring Station .....	113

## List of Tables

Table 1: Actions Initiated Point Sources Control Units.....	13
Table 2: Actions Initiated Non-Point Sources Control Units.....	13
Table 3: Federal and State Funds (US dollars) .....	14
Table 4: Federal and State Funds (Cont.) .....	14
Table 5: Federal and State Funds (Cont.) .....	14
Table 6: Federal and State Funds (Cont.) .....	14
Table 7: Total Federal and State Funds .....	15
Table 8: Basins for the Inland Waters Segmentation System .....	17
Table 9: The 51 AUs with monitoring stations.....	19
Table 10: The 145 AUs without monitoring stations.....	20
Table 11: Geographic Regions .....	23
Table 12: Coastal Shoreline Assessment Units .....	24
Table 13: Lakes Monitoring Network .....	27
Table 14: Puerto Rico Coastal Permanent Network Water Quality Monitoring Stations.....	28
Table 15: Government Agencies and Non-Governmental Entities.....	34
Table 16: Specific Water Quality Standards for Selected Parameters (As established in the PRWQSR) .....	39
Table 17: Water Quality Standard for Specific Classifications .....	40
Table 18: Size of Waters Assigned to Reporting Categories .....	43
Table 19: Primary Contact Use Summary .....	43
Table 20: Secondary Contact Use Summary .....	44
Table 21: Aquatic Life Use Summary .....	44
Table 22: Drinking Water Use Summary .....	44
Table 23: Size of Waters Impaired by Causes (Monitored Miles for Rivers, Streams, and Creeks) * .....	44
Table 24: Size of Waters Impaired by Sources (Monitored and Unmonitored Rivers and Streams).....	45
Table 25: Rivers and Streams Assessment (Monitored and Unmonitored).....	46
Table 26: Size of Waters Impaired by Causes (Monitored squares miles for Estuaries) .....	73
Table 27: Size of Waters Impaired by Sources (Monitored and Unmonitored Estuaries).....	73
Table 28: Estuaries Assessment (Except San Juan Estuary System).....	74
Table 29: Size of Waters Impaired by Causes San Juan Bay Estuary System.....	80
Table 30: Size of Waters Impaired by Sources San Juan Bay Estuary System .....	80
Table 31: San Juan Bay Estuary System Assessment.....	81
Table 32: Size of Waters Impaired by Causes (Monitored square miles for Lagoons) .....	83
Table 33: Size of Waters Impaired by Sources (Monitored and Unmonitored square miles for Lagoons) .....	83
Table 34: Lagoons Assessment (Monitored and Unmonitored) .....	84
Table 35: Size of waters Impaired by Causes (Monitored Acres for Lakes) .....	86

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

Table 36: Size of waters Impaired by Sources (Monitored Acres for Lakes).....	86
Table 37: Lakes Assessment.....	87
Table 38: Size of Waters Impaired by Causes (Monitored Miles for Coastal Waters).....	92
Table 39: Size of Waters Impaired by Sources (Monitored and Unmonitored Coastal waters) .....	92
Table 40: Coastal Shoreline Waters Assessment (Monitored and Unmonitored waters) .....	93
Table 41: OPSI/CEPIS Criteria for the Determination of the Trophic Status .....	105
Table 42: Trophic Status of Significant Lakes/Reservoirs .....	105
Table 43: Puerto Rico Lakes Trophic Status .....	106
Table 44: Trend Analysis for Low Dissolve Oxygen Parameter in Puerto Rico Lakes.....	106
Table 45: Parameter/AU Combinations to be delisted.....	115
Table 46: Priority Basins .....	116
Table 47: Basin Assessment Units/Parameter Combination with high priority to development of TMDL.....	117
Table 48: AU/ Parameter Combination with intermediate (moderate) and low priority to development of TMDL	125
Table 49: TMDL Development Status.....	144

## 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.

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

- **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,

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

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).

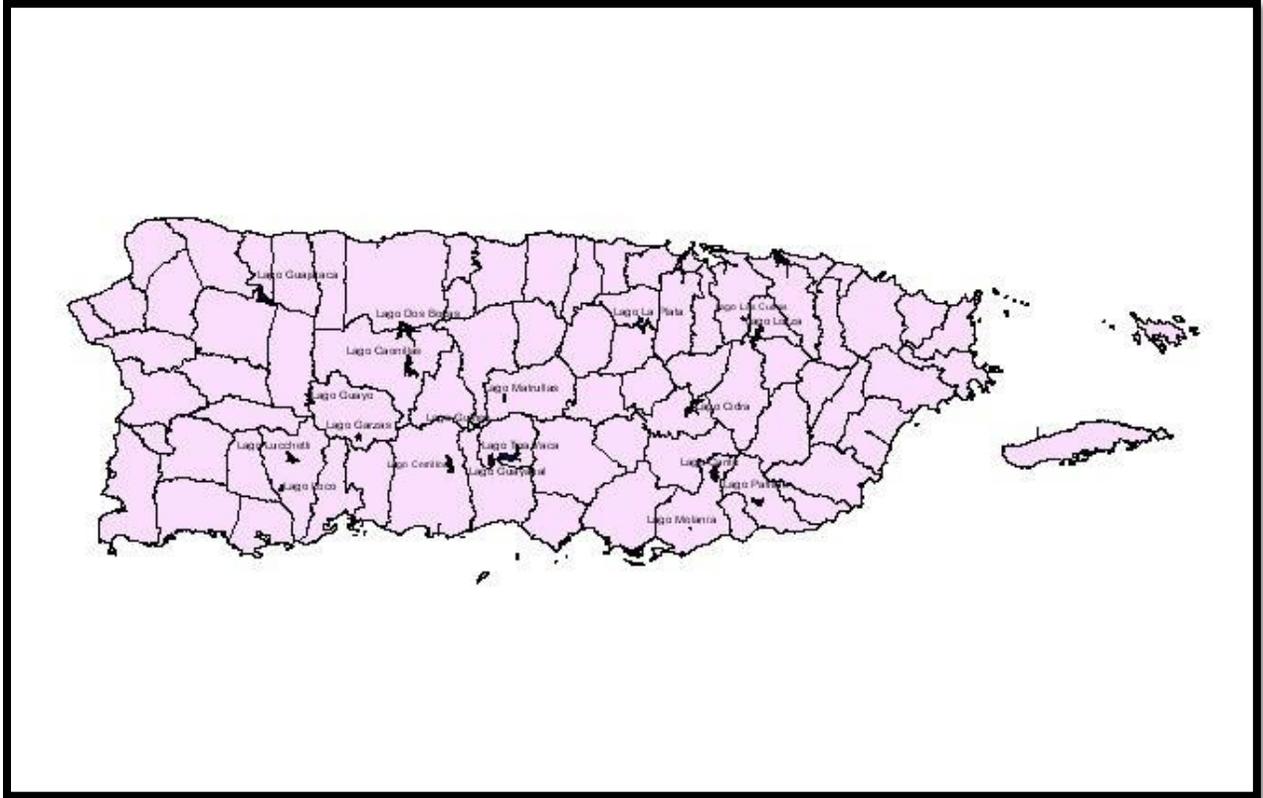


**Figure 1: Watersheds in Puerto Rico**

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).

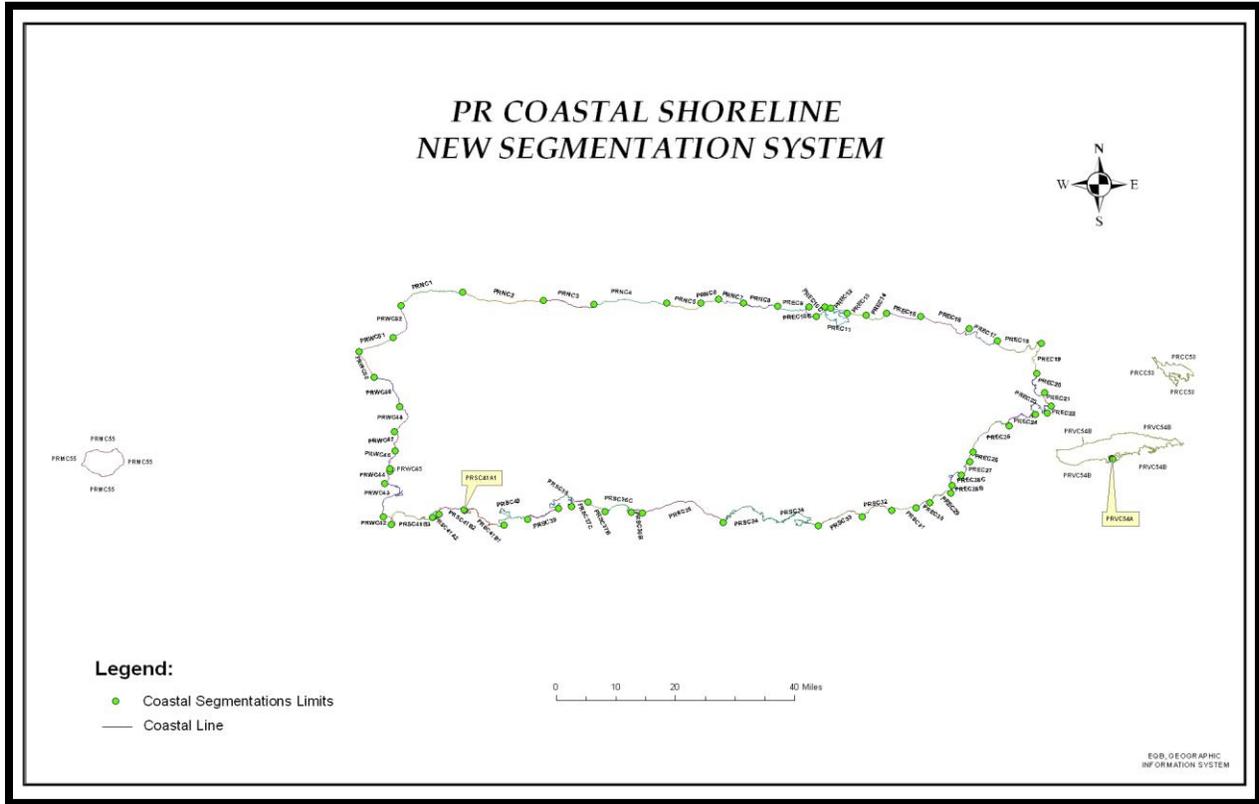
The reservoirs in PR, constructed in the main rivers basins to store water for domestic and industrial consumption, irrigation, production of electrical power and control of floods, also provide an additional benefit, recreation (Figure 2). The recreational activities performed in the reservoirs include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

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



**Figure 2: Reservoirs in Puerto Rico**

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



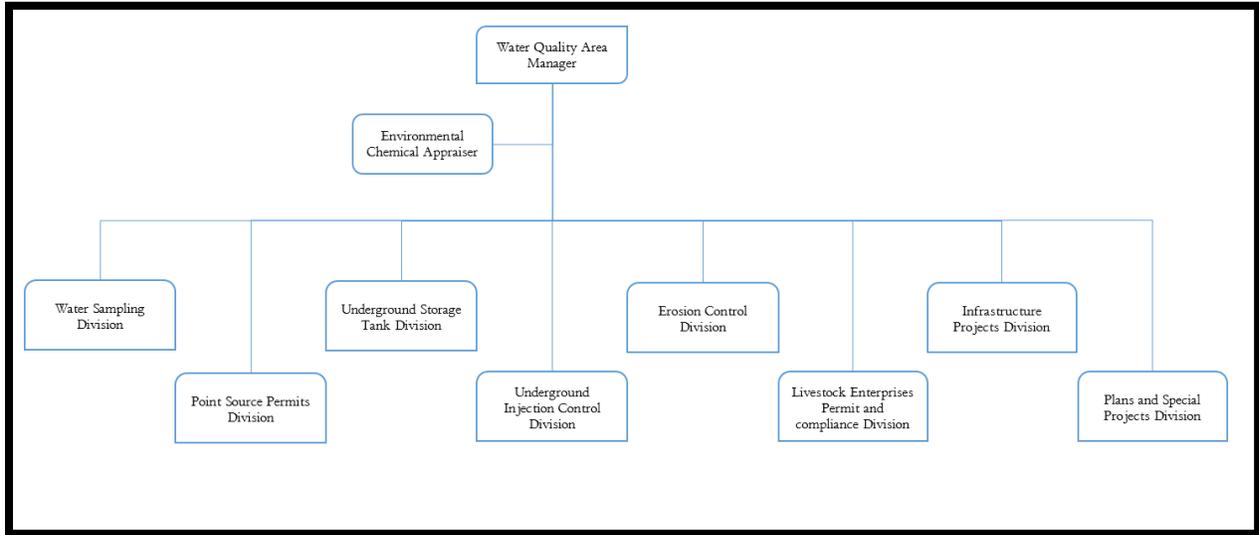
**Figure 3: Puerto Rico Coastal Shoreline Segmentation System**

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).

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



**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.

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

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.

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

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.

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

**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

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

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

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

### **4.0 Special State Concerns and Recommendations**

[RESERVED]

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

### 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

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

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

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

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	PRWQ76A	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

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

<b>AU NAME</b>	<b>AU ID</b>
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**

<b>AU NAME</b>	<b>AU ID</b>
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

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

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

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

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

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

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 (RIO 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.

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

### 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

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

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

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

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 <sub>3</sub> + NH <sub>4</sub> 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).

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

**Table 13: Lakes Monitoring Network**

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

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

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

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

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

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

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)

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

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/](http://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

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

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

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

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.

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

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. Muñoz 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

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

NAME	POSITION	AGENCY
	PR Water Resources and Environmental Research Institute	
Dr. Francisco M. Monroig Saltar	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).

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

- 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.

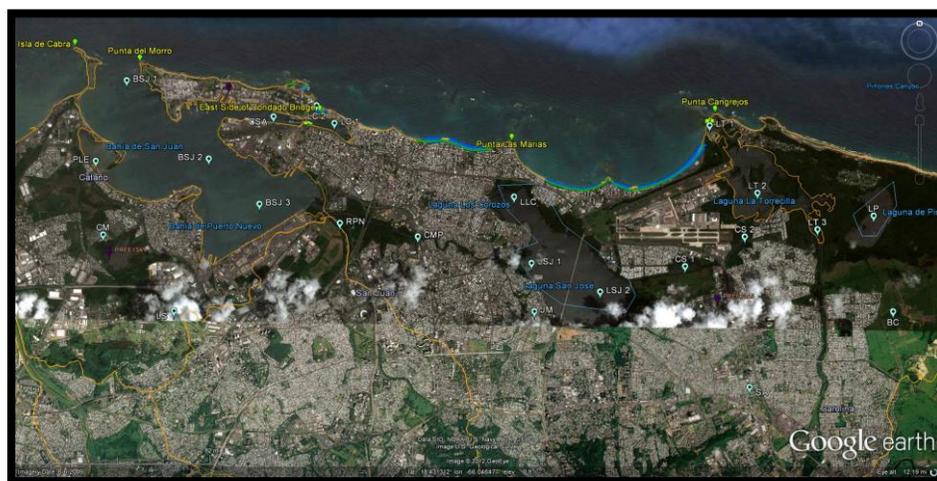


Figure 5: San Juan Bay Estuary System Monitoring Stations

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



**Figure 6: NOAA - Bahía de Jobos Monitoring Stations**

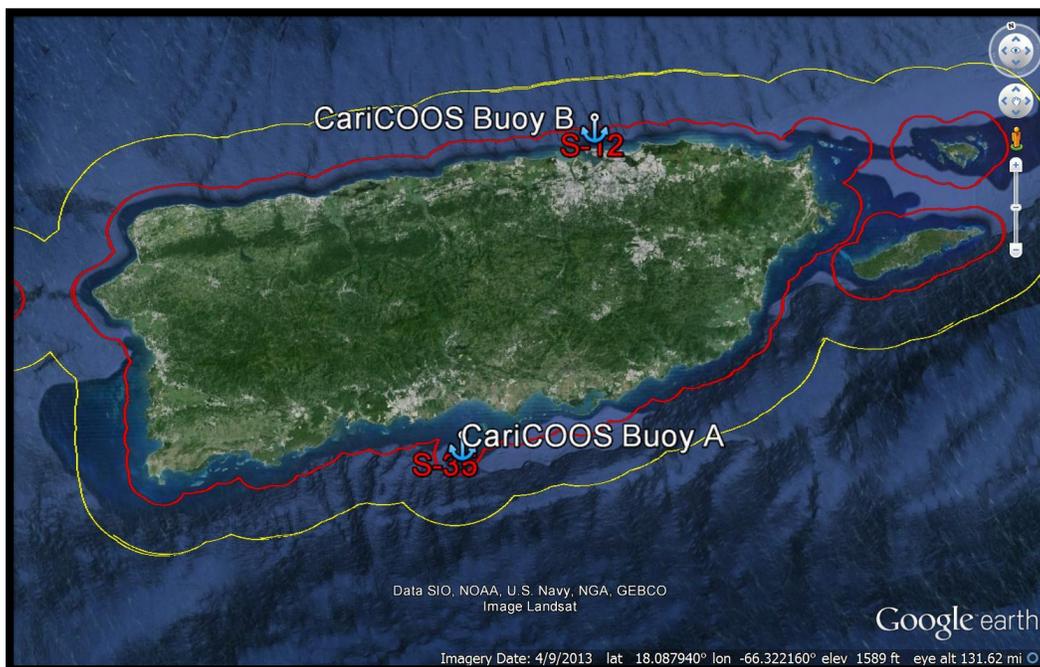
### 2.4 Water's Quality Existing Data - Access Online

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.*

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



**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.

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

**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) <sup>&amp;</sup>	-	87.0 (AL)
Antimony (Sb) <sup>+, &amp;</sup>	640.0 (HH)	5.6 (HH)
Arsenic (AS) <sup>*, +, &amp;</sup>	36.0 (AL)	10.0 (DW)
Cadmium (Cd) <sup>+, %, &amp;</sup>	7.95 (AL)	Note 1 (AL)
Chlorine	7.5 (AL)	11.0 (AL)
Cyanide (Free CN) <sup>+</sup>	1.0 (AL)	-
Cyanide <sup>+, &amp;</sup>	-	4.0 (HH)
Copper (Cu) <sup>+, &amp;</sup>	3.73 (AL)	Note 3 (AL)
Chromium III (Cr <sup>+3</sup> ) <sup>+, &amp;</sup>	-	Note 2 (AL)
Chromium VI (Cr <sup>+6</sup> ) <sup>+, &amp;</sup>	50.4 (AL)	11.4 (AL)
Fluoride (F)	-	4,000 (DW)
Lead (Pb) <sup>+, %, &amp;</sup>	8.52 (AL)	Note 6 (AL)
Mercury (Hg) <sup>+, &amp;</sup>	0.051 (HH)	0.050 (HH)
Nickel (Ni) <sup>+, &amp;</sup>	8.28 (AL)	Note 4 (AL)
Selenium (Se) <sup>+, &amp;</sup>	71.14 (AL)	5.0 (AL)
Silver (Ag) <sup>+, &amp;</sup>	2.24 (AL)	Note 5 (AL)
Sulfide (Undissociated H <sub>2</sub> S)	2.0 (AL)	2.0 (AL)
Thallium (Tl) <sup>+, &amp;</sup>	0.47 (HH)	0.24 (HH)
Zinc (Zn) <sup>+, &amp;</sup>	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  $e^{(0.8190 [\text{Ln Hardness}] + 0.6848)}$

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

**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 CaCO<sub>3</sub> 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<sup>-5</sup>

+ 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:

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

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

### 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 90<sup>th</sup> 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.

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

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 <sub>2</sub> S)
Cadmium	Mercury	Surfactants
Chromium (Cr <sup>+3</sup> )	Nickel	Thallium
Chromium (Cr <sup>+6</sup> )	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.

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

- 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.

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

**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 <sup>2</sup>

**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

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

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

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

**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			
<b>QUEBRADA DE LOS CEDROS</b>	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	
<b>QUEBRADA DEL TORO</b>	QUEBRADA DEL TORO PRNQ2A	1.0	SD		3	3	3	3	H	Confined Animal Feeding Operations Onsite Wastewater Systems	
<b>RÍO GUAJATACA</b>	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> <b>Surfactants</b>
	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> <b>Cyanide</b> <b>pH</b> <b>Total, Phosphorus</b> <b>Turbidity</b>
	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>
<b>QUEBRADA BELLACA</b>	QUEBRADA BELLACA PRNQ4A	1.7	SD		3	3	3	3	H	Confined Animal Feeding Operations Onsite Wastewater Systems	
<b>RÍO CAMUY</b>	RÍO CAMUY PRNR5A	48.6	SD		4a	4a	3	3	F H	Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	
<b>QUEBRADA SECA</b>	QUEBRADA SECA PRNQ6A	2.0	SD		3	3	3	3	H	Collection System Failure Confined Animal Feeding Operations Onsite Wastewater Systems	

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

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			
<b>RÍO GRANDE DE ARECIBO</b>	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> <b>Cyanide</b>

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

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> <b>Temperature</b>
	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> <b>Copper</b> <b>Lead</b>
<b>RÍO GRANDE DE MANATÍ</b>	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> <b>pH</b>

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

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> <b>Cyanide</b> <b>Lead</b> <b>Mercury</b>
	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> <b>Total, Phosphorus</b>
	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	

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

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> <b>Cyanide</b>
	RÍO BOTIJAS PRNR8E2	19.1	SD		4a	4a	5	3	D H K	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>pH</i>
<b>RÍO CIBUCO</b>	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> Temperature <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> Turbidity <b>Lead</b>
	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>

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

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> <b>Surfactants</b> <b>Total, Phosphorus</b> <b>Turbidity</b>
	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> <b>Temperature</b>

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

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> <b>Cyanide</b>
	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> <b>Cyanide</b> <b>Temperature</b> <b>Total, Nitrogen</b> <b>Turbidity</b>
	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> <b>Cyanide</b> <b>Temperature</b>

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

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> <b>Cyanide</b>
	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 PRER10I	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> <b>Cyanide</b>

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

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>
<b>RÍO HONDO</b>	RÍO HONDO PRER11A	22.0	SD		4a	4a	5	3	D F, H	Collection System Failure Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i> <i>Surfactants</i>
<b>RÍO BAYAMÓN</b>	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</i> <i>Enterococci</i> <i>pH</i> <i>Temperature</i> <i>Total, Nitrogen</i> <b>Cyanide</b>
	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</i> <i>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</i> <i>Enterococci</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <b>pH</b> <b>Temperature</b>
	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	

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

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> <b>Surfactants</b> <b>Total, Nitrogen</b>
	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	

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

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	<i>Chromium VI</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
	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	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
	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	<i>Chromium VI</i> <i>Enterococci</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i>
	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	<i>Chromium VI</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>

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

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	
<b>RÍO HERRERA</b>	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>
<b>RÍO ESPÍRITU SANTO</b>	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> <b>Ammonia</b>
	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	

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

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			
<b>RÍO MAMEYES</b>	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	
<b>QUEBRADA MATA DE PLÁTANO</b>	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>
<b>RÍO SÁBANA</b>	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	
<b>RÍO JUAN MARTÍN</b>	RÍO JUAN MARTÍN PRER20A	7.8	SD		4a	4a	3	3	D H, J	Onsite Wastewater Systems	
<b>QUEBRADA FAJARDO</b>	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>
<b>RÍO FAJARDO</b>	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 <b>Turbidity</b></i>
<b>RÍO DEMAJAGUA</b>	RÍO DEMAJAGUA PRER23A	2.8	SD		4a	4a	5	3	D H, J	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>QUEBRADA CEIBA</b>	QUEBRADA CEIBA PREQ24A	5.0	SD		4a	4a	5	3	D H, J	Onsite Wastewater Systems	<i>Dissolved Oxygen Surfactants</i>

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

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			
<b>QUEBRADA AGUAS CLARAS</b>	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>
<b>RÍO DAGUAO</b>	RÍO DAGUAO PRER26A	13.8	SD		4a	4a	5	3	D H J	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>QUEBRADA PALMA</b>	QUEBRADA PALMA PREQ27A	11.8	SD		4a	4a	3	3	H J	Confined Animal Feeding Operations Onsite Wastewater Systems	
<b>QUEBRADA BOTIJAS</b>	QUEBRADA BOTIJAS PREQ28A	7.4	SD		4a	4a	5	3	D H J	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>RÍO SANTIAGO</b>	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	
<b>RÍO BLANCO</b>	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>

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

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			
<b>RÍO ANTÓN RUIZ</b>	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</i> <i>Temperature</i>
	QUEBRADA MULAS PREQ31A1	3.5	SD		4a	4a	3	3	H J	Confined Animal Feeding Operations Onsite Wastewater Systems	
<b>QUEBRADA FRONTERA</b>	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>
<b>RÍO HUMACAO</b>	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</i> <i>Copper</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i> <b>Surfactants</b>
<b>RÍO CANDELERO</b>	RÍO CANDELERO PRER34A	10.4	SD		4a	4a	5	3	D F H	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>RÍO GUAYANÉS</b>	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</i> <i>Copper</i> <i>Enterococci</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
	RÍO INGENIO PRER35A1	32.6	SD		4a	4a	3	3	F H	Confined Animal Feeding Operations Onsite Wastewater Systems	
<b>QUEBRADA EMAJAGUA</b>	QUEBRADA EMAJAGUA PREQ36A	2.5	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	

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

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			
<b>RÍO MAUNABO</b>	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> <b>Copper</b> <b>Cyanide</b>
<b>QUEBRADA MANGLILLO</b>	QUEBRADA MANGLILLO PRSQ38A	1.0	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	
<b>QUEBRADA FLORIDA</b>	QUEBRADA FLORIDA PRSQ39A	3.0	SD		N/A	N/A	N/A	N/A	H L		
<b>RÍO JACABOA</b>	RÍO JACABOA PRSR40A	13.0	SD		4a	4a	3	3	H J L	Confined Animal Feeding Operations Onsite Wastewater Systems	
<b>QUEBRADA PALENQUE</b>	QUEBRADA PALENQUE PRSQ41A	1.0	SD		4a	4a	5	3	D, H J, L	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>RÍO CHICO</b>	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>
<b>RÍO GRANDE DE PATILLAS</b>	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> <b>Copper</b> <b>Cyanide</b>
	RÍO MARÍN PRSR43B	8.7	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	

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

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			
<b>QUEBRADA YAUREL</b>	QUEBRADA YAUREL PRSQ44A	6.0	SD		4a	4a	3	3	H J, L	Onsite Wastewater Systems	
<b>RÍO NIGUAS DE ARROYO</b>	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	
<b>QUEBRADA SALADA</b>	QUEBRADA SALADA PRSQ46A	1.7	SD		4a	4a	3	3	H J, L	Onsite Wastewater Systems Surface Mining	
<b>QUEBRADA CORAZÓN</b>	QUEBRADA CORAZÓN PRSQ47A	9.7	SD		4a	4a	3	3	H J L	Confined Animal Feeding Operations Onsite Wastewater Systems	
<b>QUEBRADA BRANDERI</b>	QUEBRADA BRANDERI PRSQ48A	4.5	SD		4a	4a	3	3	H J, L	Collection System Failure Onsite Wastewater Systems	
<b>RÍO GUAMANÍ</b>	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	<i>Temperature</i>
<b>QUEBRADA MELANÍA</b>	QUEBRADA MELANÍA PRSQ50A	7.0	SD		4a	4a	5	3	D H J, L	Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
<b>RÍO SECO</b>	RÍO SECO PRSR51A	24.7	SD		4a	4a	5	3	D, H J, L	Agriculture Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>QUEBRADA AMORÓS</b>	QUEBRADA AMORÓS PRSQ52A	0.7	SD		4a	4a	5	3	D H J, L	Agriculture Collection System Failure Onsite Wastewater Systems	<i>Dissolved Oxygen</i> pH
<b>QUEBRADA AGUAS VERDES</b>	QUEBRADA AGUAS VERDES PRSQ53A	15.0	SD		4a	4a	5	3	D F H, L	Confined Animal Feeding Operations Onsite Wastewater Systems	<i>Dissolved Oxygen</i>

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

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			
<b>RÍO NIGUAS DE SALINAS</b>	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>
<b>RÍO JUEYES</b>	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	
<b>RÍO CAYURES</b>	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>
<b>RÍO COAMO</b>	RÍO COAMO PRSR57A1	7.5	SD		4a	4a	3	3	H J L	Agriculture Landfill Onsite Wastewater Systems Urban Runoff/Storm Sewers	
	RÍO 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> <b>Surfactants</b> <b>Total, Phosphorus</b>
	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>

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

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			
<b>RÍO DESCALABRADO</b>	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	
<b>RÍO CAÑAS</b>	RÍO CAÑAS PRSR59A	8.0	SD		4a	4a	3	3	H J, L	Agriculture Onsite Wastewater Systems	
<b>RÍO JACAGUAS</b>	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	
<b>RÍO INABÓN</b>	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	
<b>RÍO BUCANÁ-CERRILLOS</b>	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> <b>Cyanide</b>
	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> <b>Cyanide</b> <b>Surfactants</b>
<b>RIO PORTUGUÉS</b>	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> <b>Cyanide</b> <b>Dissolved Oxygen</b>

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

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			
<b>RÍO MATILDE – PASTILLO</b>	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	
<b>RÍO TALLABOA</b>	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>
<b>RÍO MACANÁ</b>	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	
<b>RÍO GUAYANILLA</b>	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> <b>Cyanide</b>

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

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			
<b>RÍO YAUCO</b>	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	
<b>RÍO LOCO</b>	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	
<b>RÍO ARROYO CAJUL</b>	RÍO ARROYO CAJUL PRSR70A	7.4	SD		4a	4a	3	3	H J, L	Onsite Wastewater Systems	
<b>QUEBRADA BOQUERÓN</b>	QUEBRADA BOQUERÓN RWQ71A	11.7	SD		4a	4a	3	3	H J	Minor Industrial Point Sources Onsite Wastewater Systems	
<b>QUEBRADA ZUMBÓN</b>	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>
<b>QUEBRADA GONZÁLEZ</b>	QUEBRADA GONZÁLEZ PRWQ73A	1.8	SD		4a	4a	5	3	D, H J, L	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>QUEBRADA LOS PAJARITOS</b>	QUEBRADA LOS PAJARITOS PRWQ74A	2.7	SD		4a	4a	5	3	D H J, L	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>CAÑO CONDE ÁVILA</b>	CAÑO CONDE ÁVILA PRWK75A	4.0	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	

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

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			
<b>QUEBRADA IRIZARRY</b>	QUEBRADA IRIZARRY PRWQ76A	2.0	SD		4a	4a	3	3	H J	Onsite Wastewater Systems	
<b>RIO GUANAJIBO</b>	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> <b>Cyanide</b> <b>Turbidity</b>
	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> <b>Cyanide</b>
	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> <b>Surfactants</b> <b>Temperature</b>
	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	

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

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	
<b>CAÑO MERLE</b>	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	
<b>RÍO YAGÜEZ</b>	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> <b>Cyanide</b> <b>Temperature</b> <b>Total, Nitrogen,</b> <b>Total, Phosphorus</b> <b>Turbidity</b>
<b>QUEBRADA DEL ORO</b>	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	
<b>CAÑO MANÍ</b>	CAÑO MANÍ PRWK81A	3.0	SD		3	3	3	3	H	Onsite Wastewater Systems	
<b>CAÑO BOQUILLA</b>	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	

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

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	
<b>RÍO GRANDE DE AÑASCO</b>	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> <b>Copper</b> <b>Cyanide</b> <b>Temperature</b> <b>Total, Phosphorus</b>
	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	

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

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>
<b>QUEBRADA JUSTO</b>	QUEBRADA JUSTO PRWQ84A	1.0	SD		3	3	3	3	H L	Onsite Wastewater Systems	
<b>QUEBRADA ICACOS</b>	QUEBRADA ICACOS PRWQ85A	1.4	SD		3	3	3	3	H L	Onsite Wastewater Systems	
<b>QUEBRADA CAGUABO</b>	QUEBRADA CAGUABO PRWQ86A	1.0	SD		3	3	3	3	H L	Onsite Wastewater Systems	
<b>CAÑO GARCÍA</b>	CAÑO GARCÍA PRWK87A	2.0	SD		3	3	3	3	H L	Onsite Wastewater Systems	
<b>QUEBRADA GRANDE DE CALVACHE</b>	QUEBRADA GRANDE DE CALVACHE PRWQ88A	14.8	SD		3	3	3	3	D H L	Onsite Wastewater Systems	
<b>QUEBRADA LOS RAMOS</b>	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>
<b>QUEBRADA PUNTA ENSENADA</b>	QUEBRADA PUNTA ENSENADA PRWQ90A	5.0	SD		3	3	3	3	H L	Collection System Failure Onsite Wastewater Systems	
<b>QUEBRADA PILETAS</b>	QUEBRADA PILETAS PRWQ91A	2.0	SD		3	3	5	3	D H, L	Onsite Wastewater Systems	<i>Dissolved Oxygen</i>
<b>RÍO GRANDE</b>	RÍO GRANDE RWR92A	21.8	SD		3	3	3	3	H L	Onsite Wastewater Systems	
<b>CAÑO DE SANTI PONCE</b>	CAÑO DE SANTI PONCE PRWK93A	4.8	SD		4a	4a	3	3	H J, L	Collection System Failure Onsite Wastewater Systems	
<b>RÍO GUAYABO</b>	RÍO GUAYABO PRWR94A	43.1	SD		4a	4a	3	3	H J	Collection System Failure Onsite Wastewater Systems Urban Runoff/Storm Sewers	

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

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			
<b>RIO CULEBRINAS</b>	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> <b>Cyanide</b> <b>Temperature</b>
	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>

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

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	
<b>CAÑO CORAZONES</b>	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

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

**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

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

**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			
<b>RÍO GUAJATACA PRNR3A</b>	RÍO GUAJATACA PRNE3A	0.048	SB		3	3	3	N/A	H	Onsite Wastewater Systems Surface Mining Urban Runoff/Storm Sewers	
<b>QUEBRADA BELLACA PRNQ4A</b>	QUEBRADA BELLACA PRNE4A	0.0042	SB		3	3	3	N/A	H	Onsite Wastewater Systems	
<b>RÍO CAMUY PRNR5A</b>	RÍO CAMUY PRNE5A	0.042	SB		4a	4a	3	N/A	F H	Onsite Wastewater Systems	
<b>RÍO GRANDE DE ARECIBO PRNR7A</b>	RÍO GRANDE DE ARECIBO PRNE7A	0.0847	SB		4a	4a	3	N/A	H K	Agriculture Urban Runoff/Storm Sewers	
<b>CAÑO TIBURONES PRNE7.1</b>	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	
<b>RÍO GRANDE DE MANATÍ PRNR8A</b>	RÍO GRANDE DE MANATÍ PRNE8A	0.2576	SB		4a	4a	3	N/A	H K	Urban Runoff/Storm Sewers	
<b>RÍO CIBUCO PRNR9A</b>	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	
<b>RÍO DE LA PLATA PRER10A</b>	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	

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

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			
<b>RÍO GRANDE DE LOIZA PRER14A</b>	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	
<b>RÍO HERRERA PRER15A</b>	RÍO HERRERA PREE15A	0.102	SB		4a	4a	5	N/A	D F, H	Landfill Onsite Wastewater Systems	<i>Surfactants</i>
<b>RÍO ESPÍRITU SANTO PRER16A</b>	RÍO ESPÍRITU SANTO PREE16A	0.5758	SB		4a	4a	5	N/A	D F H	Collection System Failure Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>Surfactants</i>
<b>CAÑO RODRÍGUEZ PREK16.1</b>	CAÑO RODRÍGUEZ PREE16.1	0.108	SB		3	3	3	N/A	H	Minor Industrial Point Sources Onsite Wastewater Systems	
<b>RÍO MAMEYES PRER17A</b>	RÍO MAMEYES PREE17A	0.1674	SB		4a	4a	3	N/A	F H	Onsite Wastewater Systems Surface Mining	
<b>RÍO SABANA PRER19A</b>	RÍO SABANA PREE19A	0.0288 mi <sup>2</sup>	SB		4a	4a	3	N/A	H J	Urban Runoff/Storm Sewers	
<b>RÍO JUAN MARTÍN PRER20A</b>	RÍO JUAN MARTÍN PREE20A	0.0028	SB		4a	4a	3	N/A	H J	Urban Runoff/Storm Sewers	
<b>RÍO FAJARDO PRER22A</b>	RÍO FAJARDO PREE22A	0.068	SB		4a	4a	3	N/A	H J	Collection System Failure Urban Runoff/Storm Sewers	
<b>RÍO DEMAJAGUA PRER23A</b>	RÍO DEMAJAGUA PREE23A	0.0028	SB		4a	4a	5	N/A	D H, J	Collection System Failure Urban Runoff/Storm Sewers	<i>Turbidity</i>
<b>QUEBRADA AGUAS CLARAS PREQ25A</b>	QUEBRADA AGUAS CLARAS PREE25A	0.0024	SB		4a	4a	3	N/A	H J	Upstream Impoundment	
<b>RÍO DAGUAO PRER26A</b>	RÍO DAGUAO PREE26A	0.0672	SB		4a	4a	3	N/A	H J	Upstream Impoundment	
<b>QUEBRADA PALMA PREQ27A</b>	QUEBRADA PALMA PREE27A	0.005	SB		4a	4a	3	N/A	H J	Upstream Impoundment	

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

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	

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

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	<i>Turbidity</i>

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

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			
<b>RÍO TALLABOA PRSR65A</b>	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>
<b>RÍO MACANÁ PRSR66A</b>	RÍO MACANÁ PRSE66A	0.0036	SB		4a	4a	3	N/A	H, J, L	Urban Runoff/Storm Sewers	
<b>RÍO YAUCO PRSR68A</b>	RÍO YAUCO PRSE68A	0.003	SB		4a	4a	3	N/A	F, H, L	Upstream Impoundment	
<b>RÍO LOCO PRSR69A</b>	RÍO LOCO PRSE69A	0.0084	SB		4a	4a	3	N/A	F, H	Onsite Wastewater Systems Surface Mining Urban Runoff/Storm Sewers	
<b>QUEBRADA BOQUERÓN PRWQ71A</b>	QUEBRADA BOQUERÓN PRWE71A	0.0096	SB		4a	4a	3	N/A	H, J	Urban Runoff/Storm Sewers	
<b>QUEBRADA ZUMBÓN PRWQ72A</b>	QUEBRADA ZUMBÓN PRWE72A	0.003	SB		4a	4a	3	N/A	H, J, L	Onsite Wastewater Systems	
<b>QUEBRADA GONZÁLEZ PRWQ73A</b>	QUEBRADA GONZÁLEZ PRWE73A	0.008	SB		4a	4a	3	N/A	H, J, L	Upstream Impoundment	
<b>QUEBRADA LOS PAJARITOS PRWQ74A</b>	QUEBRADA LOS PAJARITOS PRWE74A	0.003	SB		4a	4a	3	N/A	H, J, L		
<b>RÍO GUANAJIBO PRWR77A</b>	RÍO GUANAJIBO PRWE77A	0.0576	SB		4a	4a	3	N/A	H, J	Collection System Failure Onsite Wastewater Systems	
<b>CAÑO MERLE PRWK78A</b>	CAÑO MERLE PRWE78A	0.158	SB		4a	4a	5	N/A	D, H, J, L	Collection System Failure	<i>Surfactants</i>
<b>RÍO YAGÜEZ PRWR79A</b>	RÍO YAGÜEZ PRWE79A	0.0192	SB		4a	4a	3	N/A	H, J	Collection System Failure Urban Runoff/Storm Sewers	
<b>CAÑO BOQUILLA PRWK82A</b>	CAÑO BOQUILLA PRWE82A	0.062	SB		3	3	5	N/A	D, H, L	Onsite Wastewater Systems	<i>Dissolved Oxygen Surfactants Turbidity</i>

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

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			
<b>RÍO GRANDE DE AÑASCO PRWR83A</b>	RÍO GRANDE DE AÑASCO PRWE83A	0.2376	SB		4a	4a	3	N/A	H K	Onsite Wastewater Systems	
<b>QUEBRADA GRANDE CALVACHE PRWQ88A</b>	QUEBRADA GRANDE CALVACHE PRWE88A	0.002	SB		4a	4a	5	N/A	D H L	Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
<b>QUEBRADA LOS RAMOS PRWQ89A</b>	QUEBRADA LOS RAMOS PRWE89A	0.0006	SB		3	3	3	N/A	H L	Collection System Failure	
<b>RÍO GRANDE PRWR92A</b>	RÍO GRANDE PRWE92A	0.0028	SB		4a	4a	3	N/A	H J, L		
<b>CAÑO DE SANTI PONCE PRWK93A</b>	CAÑO DE SANTI PONCE PRWE93A	0.0032	SB		4a	4a	3	N/A	H J L	Onsite Wastewater Systems	
<b>RÍO GUAYABO PRWR94A</b>	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>
<b>RÍO CULEBRINAS PRWR95A</b>	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

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

DW - Raw Source for Drinking Water

N/A - Not applicable

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

**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

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

**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			
<b>ESTUARY SYSTEM</b>	<b>PREE13A1</b> - 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 &amp; Grease</i> <i>pH</i> <i>Temperature</i> <i>Turbidity</i>
<b>ESTUARY SYSTEM</b>	<b>PREE13A2</b> - 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> <b>Mercury</b> <b>Oil and Grease</b>
<b>ESTUARY SYSTEM</b>	<b>PREE13A3</b> - 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>

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

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						<b>Mercury</b> <b>Oil and Grease</b>	

**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

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

**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

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

**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			
<b>MAYAGÜEZ</b>	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>
<b>VEGA BAJA-MANATÍ</b>	Laguna Tortuguero PRNN0006	SE		0.8656	3	3	5	H	Onsite Wastewater Systems Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i>
<b>DORADO</b>	Laguna Mata Redonda PRNN0007	SB		0.0234	3	3	5	H	Urban Runoff/Storm Sewers	<i>Dissolved Oxygen</i> <i>pH</i>
<b>FAJARDO</b>	Laguna Aguas Prietas PREN0011	SB		0.2	3	3	5	H	Unknown Source	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Turbidity</i>
<b>FAJARDO</b>	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>
<b>CEIBA</b>	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>
<b>GUAYAMA</b>	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>
<b>SALINAS</b>	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>
<b>SALINAS</b>	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>

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

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			
<b>SALINAS</b>	Laguna Tiburones PRSN0017	SB		0.0219	3	3	5	H	Landfill Unknown Source	<i>Copper Dissolved Oxygen pH Temperature Turbidity</i>
<b>PONCE</b>	Laguna Salinas PRSN0018	SB		0.1203	3	3	5	H	Onsite Wastewater Systems Unknown Source	<i>Copper Dissolved Oxygen</i>
<b>CABO ROJO</b>	Laguna Salinas I (Fraternidad) PRSN0019	SB		0.4594	3	3	5	H	Onsite Wastewater Systems Unknown Source	<i>Copper Dissolved Oxygen Turbidity</i>
<b>CABO ROJO</b>	Laguna Cabo Rojo 2 (Candelaria) PRSN0020	SB		0.2969	3	3	5	H	Unknown Source	<i>Copper Dissolved Oxygen Temperature Turbidity</i>
<b>CABO ROJO</b>	Laguna Cabo Rojo 3 (El Faro) PRSN0021	SB		0.1078	3	3	5	H	Unknown Source	<i>Copper Dissolved Oxygen Turbidity</i>
<b>CABO ROJO</b>	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>
<b>CABO ROJO</b>	Laguna Guaniquilla PRSN0023	SB		0.0344	3	3	5	H	Unknown Source	<i>Dissolved Oxygen pH Turbidity</i>
<b>LAJAS</b>	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

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

**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

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

**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			
<b>RIO GUAJATACA</b>	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</i> <i>pH</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i>
<b>RIO GRANDE DE ARECIBO</b>	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</i> <i>Copper</i> <i>Dissolved Oxygen</i> <i>pH</i> <i>Surfactants</i> <i>Temperature</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <i>Turbidity</i>
<b>RIO GRANDE DE ARECIBO</b>	LAGO CAONILLAS PRNL27C1	700	SD	NS 89001 89002 89003	4a	4a	5	5	K	Agriculture Onsite Wastewater Systems	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Pesticides</i> <i>Total, Nitrogen</i> <i>Total, Phosphorus</i> <b>Turbidity</b>
<b>RIO GRANDE DE ARECIBO</b>	LAGO GARZAS PRNL37A3	108	SD	NS 20050	4a	4a	5	5	K	Agriculture Onsite Wastewater Systems	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Lead</i> <i>Pesticides</i> <i>Total, Phosphorus</i> <b>pH</b>
<b>RIO GRANDE DE MANATÍ</b>	LAGO GUINEO PRNL18C1	54	SD		4a	4a	5	5	H K	Agriculture Onsite Wastewater Systems	<i>Dissolved Oxygen</i> <i>Pesticides</i>

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

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			
<b>RIO GRANDE DE MANATÍ</b>	LAGO MATRULLAS PRNL <sub>2</sub> 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> <b>Turbidity</b>
<b>RIO DE LA PLATA</b>	LAGO DE LA PLATA PREL <sub>1</sub> 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> <b>Turbidity</b>
<b>RIO DE LA PLATA</b>	LAGO CARITE PREL <sub>2</sub> 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> <b>Turbidity</b>
<b>RIO BAYAMON</b>	LAGO CIDRA PREL <sub>12</sub> 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> <b>Turbidity</b>

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

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			
<b>RIO GRANDE DE LOIZA</b>	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	<i>Copper Dissolved Oxygen Lead pH Temperature Total, Nitrogen Total, Phosphorus Turbidity</i>
<b>RIO GRANDE DE PATILLAS</b>	LAGO PATILLAS PRSL43A1	312	SD	NS 89022 89023 89024	4a	4a	5	5	J	Agriculture Onsite Wastewater Systems	<i>Dissolved Oxygen Pesticides pH Temperature Total, Phosphorus</i>
<b>QUEBRADA MELANIA</b>	LAGO MELANIA PRSL50A	35	SD	NS 89026	4a	4a	5	5	J	Agriculture Onsite Wastewater Systems	<i>Enterococci Mercury Pesticides Temperature Total, Nitrogen Total, Phosphorus <b>Dissolved Oxygen</b> <b>pH</b> <b>Turbidity</b></i>
<b>RIO JACAGUAS</b>	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	<i>Dissolved Oxygen Pesticides pH Total, Nitrogen Total, Phosphorus <b>Turbidity</b></i>

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

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			
<b>RIO JACAGUAS</b>	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> <b>Turbidity</b>
<b>RIO BUCANA-CERRILLOS</b>	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>
<b>RIO YAUCO</b>	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>
<b>RIO LOCO</b>	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>
<b>RIO GRANDE DE AÑASCO</b>	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.

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

**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

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

**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

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

**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  <i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Thallium</i> <i>Turbidity</i>	
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  <i>Copper</i> <i>Enterococci</i> <i>Temperature</i> <i>Turbidity</i>	
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  <i>Copper</i> <i>Enterococci</i> <i>Mercury</i> <i>Nickel</i> <i>pH</i> <i>Thallium</i> <i>Turbidity</i>	
PRNC05 (Punta Manatí to Punta Chivato)	7.46	SB	NS SBZ-010 SEG5-01	5	5	5		Unknown Source  <i>Copper</i> <i>Enterococci</i> <i>Mercury</i> <i>pH</i> <i>Thallium</i> <i>Turbidity</i> <b>Temperature</b>	
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  <i>Copper</i> <i>Enterococci</i> <i>Mercury</i> <i>Temperature</i> <i>Turbidity</i>	

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

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	<i>Copper</i> <i>Mercury</i> <i>pH</i> <i>Temperature</i> <i>Turbidity</i>
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	<i>Arsenic</i> <i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Nickel</i> <i>Turbidity</i> <i>Zinc</i>
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	<i>Arsenic</i> <i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Nickel</i> <i>Turbidity</i> <i>pH</i>
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	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>Turbidity</i>
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	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Nickel</i> <i>pH</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i> <i>Zinc</i>

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

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	<i>Arsenic</i> <i>Copper</i> <i>Dissolved Oxygen</i> <i>Fecal Coliforms</i>
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		<i>Enterococci</i> <i>pH</i> <i>Turbidity</i> <b>Temperature</b>
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	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>Mercury</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
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	<i>Arsenic</i> <i>Copper</i> <i>Lead</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
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	<i>Arsenic</i> <i>Copper</i> <i>Enterococci</i> <i>Mercury</i> <i>Nickel</i> <i>Thallium</i> <i>Temperature</i> <i>Turbidity</i>

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

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 Copper Enterococci Lead Mercury Nickel Temperature Thallium Turbidity 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 Mercury Temperature 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 pH Temperature Thallium 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 Enterococci Oil &amp; Grease Temperature 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 Dissolved Oxygen Enterococci Temperature Thallium Turbidity</i>
PREC21 (Punta Medio Mundo to Punta Puerca)	3.0	SB		3	3	3	H		

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

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 Candelerero)	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 Candelerero 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>

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

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	<i>Arsenic</i> <i>Copper</i> <i>Enterococci</i> <i>Mercury</i> <i>Oil &amp; Grease</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
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	<i>Copper</i> <i>Enterococci</i> <i>Lead</i> <i>pH</i> <i>Thallium</i> <i>Turbidity</i> <b>Temperature</b>
PREC30 (Punta Tuna to Cabo Mala Pascua)	2.65	SB	NS MAC-082	5	5	5		Unknown Source	<i>Copper</i> <i>Enterococci</i> <i>Turbidity</i>
PRSC31 (Cabo Mala Pascua to Punta Viento)	4.06	SB	SEG31-01	5	5	5		Onsite Wastewater Systems Upstream Impoundment Urban Runoff/Storm Sewers	<i>Copper</i> <i>Enterococci</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>
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	<i>Copper</i> <i>Dissolved Oxygen</i> <i>Enterococci</i> <i>Mercury</i> <i>Temperature</i> <i>Thallium</i> <i>Turbidity</i>

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

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 &amp; 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 &amp; Grease</i> <i>Turbidity</i>

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

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 &amp; 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 &amp; 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>

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

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>

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

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> <b>Temperature</b>
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 &amp; Grease</i> <i>pH</i> <i>Thallium</i> <i>Turbidity</i> <b>Temperature</b>

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

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> <b>Temperature</b>
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		

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

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

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

### **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

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

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 Curias Lake (55 acres) (SJBES)

\*\* Lago Guineo (54 acres) not assess for this cycle

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

**Table 43: Puerto Rico Lakes Trophic Status**

Lake	Lake Size (acres)	AU	Trophic Status <sup>1</sup> [P mg/L] <sup>2</sup>	
			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 <sub>1</sub> 7A1	(0.13) E	0.14 E
Caonillas	700	PRNL <sub>2</sub> 7C1	(0.06) E	0.02 O
Garzas	108	PRNL <sub>3</sub> 7A3	(0.38) E	0.04 M
Matrullas	77	PRNL <sub>2</sub> 8C1	(0.04) M	0.07 M
La Plata	560	PREL <sub>1</sub> 10A1	(0.04) M	0.14 E
Carite	333	PREL <sub>2</sub> 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 <sub>1</sub> 60A	(0.08) E	0.07 E
Toa Vaca	836	PRSL <sub>2</sub> 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

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

Lakes	Lake Size (acres)	DO* (mg/L)			Trend
		2020 Cycle	2022 Cycle	2024 Cycle	
<b>Dos Bocas</b>	<b>634</b>	5.3	5.2	5.0	Stable
<b>Carite</b>	<b>333</b>	4.3	5.2	5.1	Stable
<b>La Plata</b>	<b>560</b>	4.3	4.4	3.8	Degraded
<b>Garzas</b>	<b>108</b>	3.6	3.5	3.8	Stable
<b>Melanía</b>	<b>35</b>	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.

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

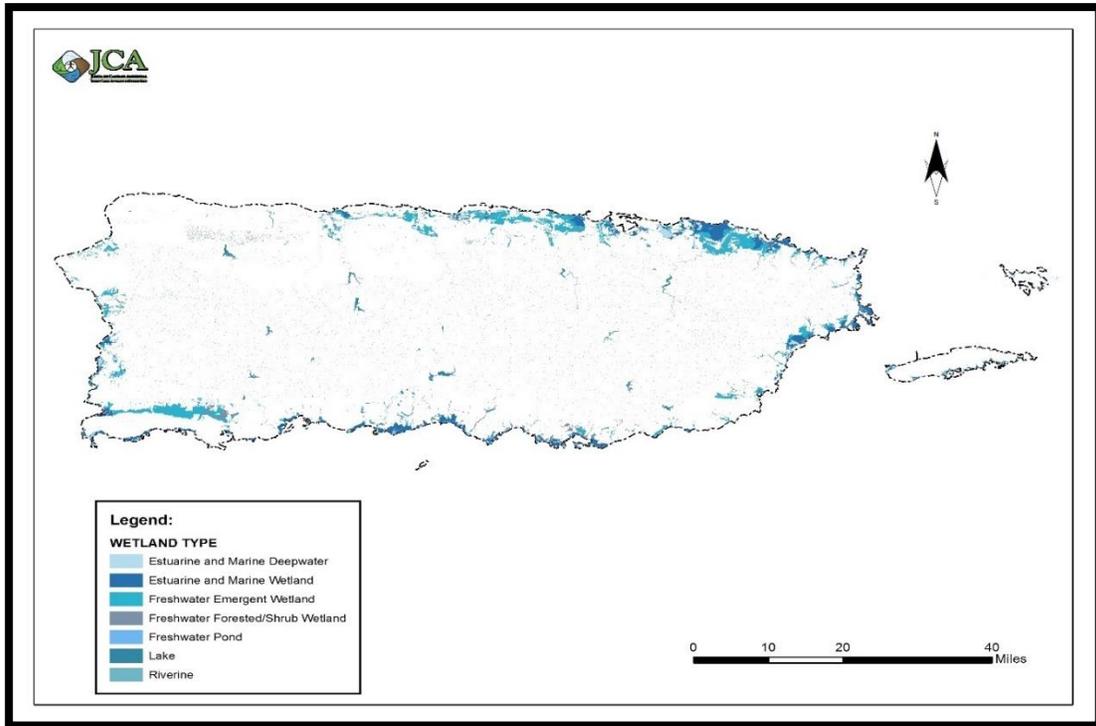
The factors that most influence coastal wetlands are drainage, channelization and filling, disposal of industrial, agricultural, and domestic waste, civil constructions, tourism expansion, storms and hurricanes, global climate change. The value of wetlands in PR for wildlife is well documented. For example, 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.

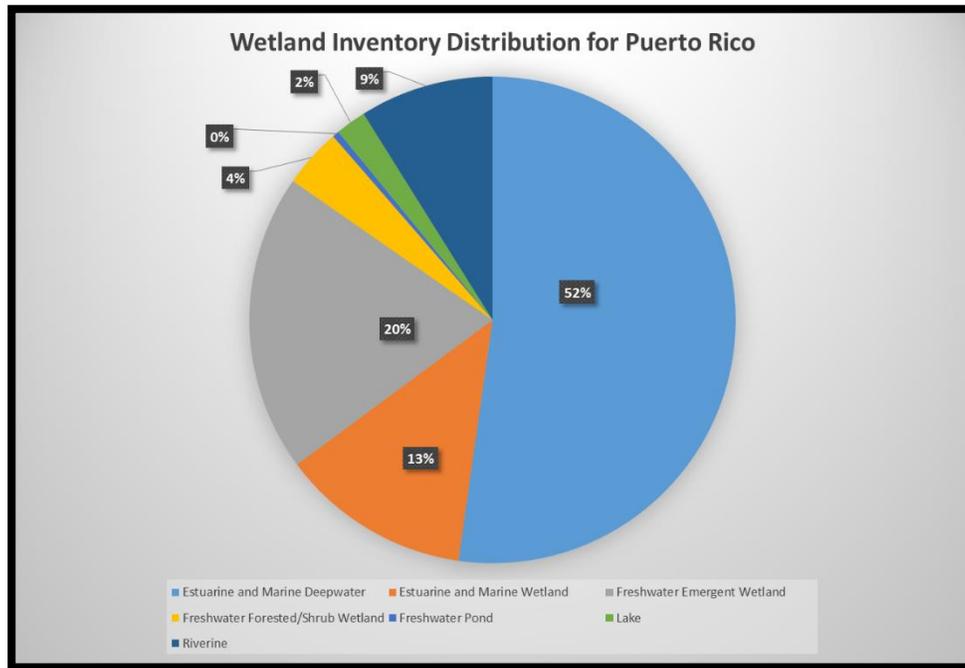
Thirty-eight (38) species of vertebrates, mollusks and crustaceans and forty-six (46) species of birds, some rare or endangered species, such as the ladybug, the gannet, the Dominican duck, duck, and pigeon-headed Warbler have been seen in these areas. Beaches, also associated with these urban wetlands 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.

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



**Figure 8: Puerto Rico Wetlands Type**



**Figure 9: Puerto Rico Wetlands Distribution**

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

### 2.0 Coral Reef Ecosystem

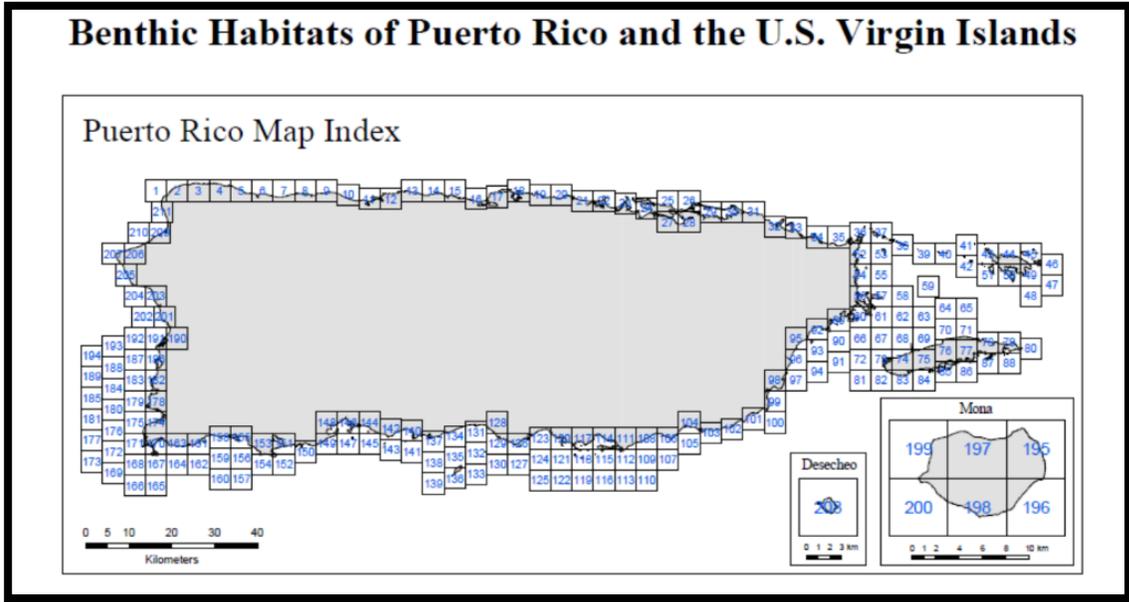
Coral reefs are the most productive ecosystems in the marine environment. They are closely related to other terrestrial and marine ecosystems. Some of these associated ecosystems are coastal wetlands, which include mangroves, marine wetlands, such as seagrasses, beaches among others. Coral reefs provide 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).



**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.

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

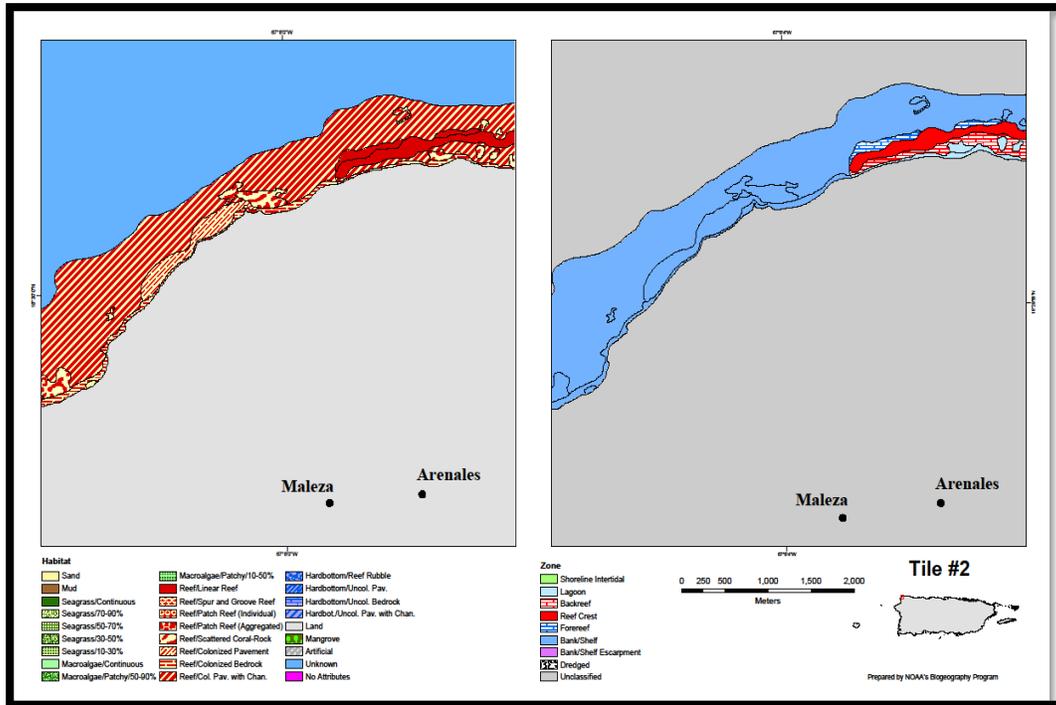


Figure 11: Example of one tile of the Benthic Map and the habitat classification

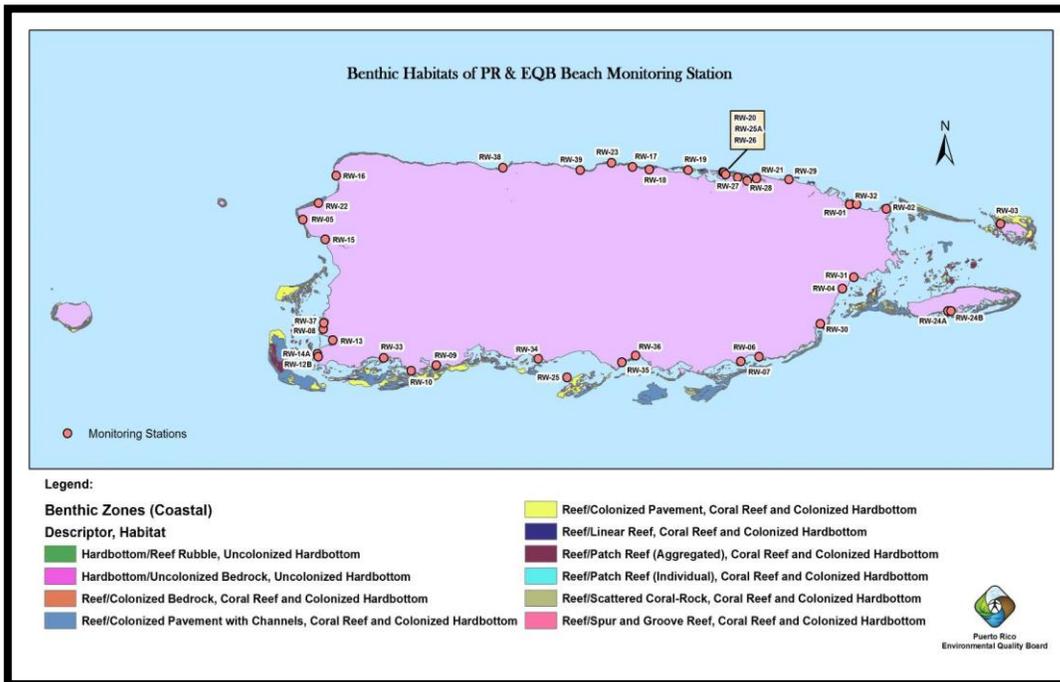
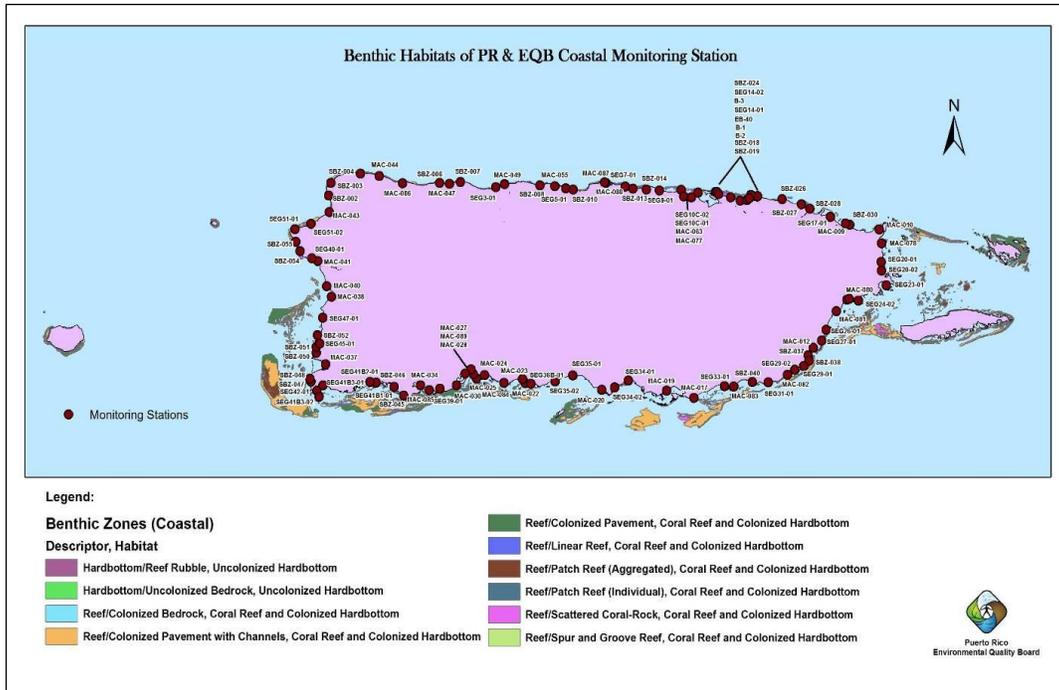


Figure 12: Benthic Habitats of PR and the Location of the PREQB Beach Monitoring Station

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



**Figure 13: Benthic Habitats of PR and the Location of the PREQB Coastal Monitoring Station**

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

### **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.

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

### 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

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

<b>AU ID</b>	<b>TYPE OF WATER</b>	<b>PARAMETER</b>	<b>REASON FOR DELISTING</b>
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**

<b>BASIN</b>	<b>REGION</b>	<b>AU PER BASIN</b>
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

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

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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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 <sub>1</sub> 7A1	Arsenic	H
260. Río Grande de Arecibo	Lago Dos Bocas	PRNL <sub>1</sub> 7A1	Copper	H
261. Río Grande de Arecibo	Lago Dos Bocas	PRNL <sub>1</sub> 7A1	Dissolved Oxygen	H
262. Río Grande de Arecibo	Lago Dos Bocas	PRNL <sub>1</sub> 7A1	pH	H
263. Río Grande de Arecibo	Lago Dos Bocas	PRNL <sub>1</sub> 7A1	Surfactants	H
264. Río Grande de Arecibo	Lago Dos Bocas	PRNL <sub>1</sub> 7A1	Temperature	H
265. Río Grande de Arecibo	Lago Dos Bocas	PRNL <sub>1</sub> 7A1	Total, Nitrogen	H
266. Río Grande de Arecibo	Lago Dos Bocas	PRNL <sub>1</sub> 7A1	Total, Phosphorus	H
267. Río Grande de Arecibo	Lago Dos Bocas	PRNL <sub>1</sub> 7A1	Turbidity	H
268. Río Grande de Arecibo	Lago Caonillas	PRNL <sub>2</sub> 7C1	Copper	H
269. Río Grande de Arecibo	Lago Caonillas	PRNL <sub>2</sub> 7C1	Dissolved Oxygen	H
270. Río Grande de Arecibo	Lago Caonillas	PRNL <sub>2</sub> 7C1	Pesticides	H
271. Río Grande de Arecibo	Lago Caonillas	PRNL <sub>2</sub> 7C1	Total, Nitrogen	H
272. Río Grande de Arecibo	Lago Caonillas	PRNL <sub>2</sub> 7C1	Total, Phosphorus	H
273. Río Grande de Arecibo	Lago Caonillas	PRNL <sub>2</sub> 7C1	Turbidity	H
274. Río Grande de Arecibo	Lago Garzas	PRNL <sub>3</sub> 7A3	Copper	H
275. Río Grande de Arecibo	Lago Garzas	PRNL <sub>3</sub> 7A3	Dissolved Oxygen	H
276. Río Grande de Arecibo	Lago Garzas	PRNL <sub>3</sub> 7A3	Lead	H
277. Río Grande de Arecibo	Lago Garzas	PRNL <sub>3</sub> 7A3	pH	H
278. Río Grande de Arecibo	Lago Garzas	PRNL <sub>3</sub> 7A3	Pesticides	H
279. Río Grande de Arecibo	Lago Garzas	PRNL <sub>3</sub> 7A3	Total, Phosphorus	H
280. Río Grande de Manatí	Lago Guineo	PRNL <sub>1</sub> 8C1	Dissolved Oxygen	H
281. Río Grande de Manatí	Lago Guineo	PRNL <sub>1</sub> 8C1	Pesticides	H
282. Río Grande de Manatí	Lago Matrullas	PRNL <sub>2</sub> 8C1	Copper	H
283. Río Grande de Manatí	Lago Matrullas	PRNL <sub>2</sub> 8C1	Dissolved Oxygen	H
284. Río Grande de Manatí	Lago Matrullas	PRNL <sub>2</sub> 8C1	Lead	H

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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	PRSL <sub>1</sub> 60A1	Dissolved Oxygen	M
118. Río Jacaguas	Lago Guayabal	PRSL <sub>1</sub> 60A1	Pesticides	M
119. Río Jacaguas	Lago Guayabal	PRSL <sub>1</sub> 60A1	pH	M
120. Río Jacaguas	Lago Guayabal	PRSL <sub>1</sub> 60A1	Total, Nitrogen	M
121. Río Jacaguas	Lago Guayabal	PRSL <sub>1</sub> 60A1	Total, Phosphorus	M
122. Río Jacaguas	Lago Guayabal	PRSL <sub>1</sub> 60A1	Turbidity	M
123. Río Jacaguas	Lago Toa vaca	PRSL <sub>2</sub> 60A1	Dissolved Oxygen	M
124. Río Jacaguas	Lago Toa vaca	PRSL <sub>2</sub> 60A1	pH	M
125. Río Jacaguas	Lago Toa vaca	PRSL <sub>2</sub> 60A1	Temperature	M
126. Río Jacaguas	Lago Toa vaca	PRSL <sub>2</sub> 60A1	Total, Nitrogen	M
127. Río Jacaguas	Lago Toa vaca	PRSL <sub>2</sub> 60A1	Total, Phosphorus	M
128. Río Jacaguas	Lago Toa vaca	PRSL <sub>2</sub> 60A1	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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
348. Punta Candelerero to Punta Guayanés	Punta Candelerero to Punta Guayanés	PREC27	Enterococci	L
349. Punta Candelerero to Punta Guayanés	Punta Candelerero to Punta Guayanés	PREC27	Thallium	L
350. Punta Candelerero to Punta Guayanés	Punta Candelerero 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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

<b>Basin</b>	<b>Waterbody Name</b>	<b>Assessment Unit ID</b>	<b>Parameter</b>	<b>Priority</b>
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

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

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 <sub>1</sub> 10A1	FINAL DRAFT
9. LAGO LA PLATA/TOTAL, NITROGEN	PREL <sub>1</sub> 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.

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

### **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](mailto: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](mailto: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.

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

**APPENDIX I – 2024 Cycle 303(d) List**

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

**RIVERS, STREAMS AND CREEKS**

<b>Size of waters Impaired by Causes all cycles (Monitored Miles for Rivers and Streams)</b>	
<b>Causes of Impairments</b>	<b>Size of Waters Impaired (miles)</b>
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

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

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					
<b>RÍO GUAJATACA</b>	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
												Turbidity	2024
	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
<b>RÍO GRANDE DE ARECIBO</b>	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,

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

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	Chromium VI	2022, 2020
Collection System Failure											Enterococci	2024, 2022, 2020, 2018	
Confined Animal Feeding Operations											Pesticide	2008	
Landfill											Temperature	2024, 2020	
Minor Industrial Point Sources											Total, Nitrogen	2022	
Major Municipal Point Sources											Total, Phosphorus	2022, 2020	
Onsite Wastewater Systems Urban Runoff/Storm Sewers											Turbidity	2024, 2022, 2020, 2018, 2014, 2012, 2008	
	TÚNEL PRNR7A3	28.9	SD	NS 50020500	5	5	5	5	K	H	Agriculture	Chromium VI	2022, 2020
Collection System Failure											Cyanide	2024	
Confined Animal Feeding Operations											Enterococci	2024, 2022, 2020, 2018	
Minor Industrial Point Sources											pH	2022	
Minor Municipal Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers											Total, Phosphorus	2022	

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

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

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

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
<b>RÍO GRANDE DE MANATÍ</b>	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

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

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
<b>RÍO CIBUCO</b>		31.1	SD		5	5	5	5	A	H	Agriculture	Chromium VI	2022, 2020

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

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 Enterococci Temperature Total, Nitrogen Total, Phosphorus Turbidity	2024 2024, 2022, 2020, 2018 2022 2022, 2020, 2018, 2016 2024, 2022, 2020, 2018 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
<b>RÍO DE LA PLATA</b>	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 Dissolved Oxygen Enterococci Surfactants Temperature	2022, 2020 2024, 2022, 2020, 2018, 2016 2024, 2022, 2020, 2018 2024 2024, 2020

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

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 Turbidity	2024 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 Enterococci Temperature Total, Phosphorus	2022, 2020 2024, 2022, 2020, 2018 2024 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 Cyanide Enterococci pH Temperature Total, Phosphorus Turbidity	2022, 2020 2024 2024, 2022, 2020, 2018 2024, 2020 2024, 2020 2024, 2022, 2020, 2018, 2016 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 Cyanide Enterococci Temperature Total, Nitrogen	2022, 2020 2024 2024, 2022, 2020, 2018 2024 2024

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

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 Cyanide Enterococci Temperature Total, Nitrogen Total, Phosphorus	2022, 2020 2024 2024, 2022, 2020, 2018 2024 2024, 2022, 2018, 2016 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 Cyanide Enterococci Total, Phosphorus	2022, 2020 2024 2024, 2022, 2020, 2018 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 Cyanide Enterococci Total, Nitrogen	2022, 2020 2024 2024, 2022, 2020, 2018 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

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

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		
<b>RÍO HONDO</b>	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
<b>RÍO BAYAMÓN</b>	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

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

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
<b>RÍO GRANDE DE LOIZA</b>	RÍO GRANDE DE LOIZA PRER14A1	31	SD	NS 50059100	5	5	5	5	F	H	Collection System Failure	Chromium VI	2022, 2020
											Confined Animal Feeding Operations	Enterococci	2024, 2022, 2018
											Major Industrial Point Sources	Surfactants	2024
											Onsite Wastewater Systems	Temperature	2024, 2022
											Surfaces Mining	Total, Nitrogen	2024
											Urban Runoff/Storm Sewers	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	Chromium VI	2022, 2020
											Collection System Failure	Enterococci	2024, 2022, 2020, 2018
											Confined Animal Feeding Operations	Pesticides	2008
											Landfill	Temperature	2024, 2022
											Minor Industrial Point Sources	Total, Phosphorus	2022, 2018, 2016
											Onsite Wastewater Systems	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

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

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 Enterococci Temperature Total, Nitrogen Total, Phosphorus Turbidity	2022, 2020 2024, 2022, 2020, 2018 2024, 2022, 2020 2022, 2020, 2018 2022, 2020, 2018, 2016 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 Enterococci Total, Nitrogen	2022, 2020 2024, 2022, 2020, 2018 2024, 2022

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

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 Turbidity	2024, 2022, 2020, 2018, 2016 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 Enterococci Total, Phosphorus Total, Nitrogen	2022, 2020 2024, 2022, 2020, 2018 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2008 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 Enterococci Temperature Total, Nitrogen Total, Phosphorus Turbidity	2022, 2020 2024, 2022, 2020, 2018 2022 2022, 2020, 2018, 2016 2022, 2020, 2018, 2016 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 Copper Enterococci Lead	2022, 2020 2022, 2018, 2014 2024, 2022, 2020, 2018 2022, 2018

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

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
<b>RÍO HERRERA</b>	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
<b>RÍO HERRERA</b>	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
<b>RÍO ESPIRITU SANTO</b>	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

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

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	Dissolved Oxygen	2016, 2014, 2012, 2006
											Urban Runoff/Storm Sewers	Surfactants	2016, 2012
QUEBRADA FAJARDO	QUEBRADA FAJARDO PREQ21A	10.0	SD		4a	4a	5	3	D H J	M	Collection System Failure	Dissolved Oxygen	2020, 2006
											Onsite Wastewater Systems	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	Chromium VI	2022, 2020
											Landfill	Enterococci	2024, 2022, 2020, 2018
											Major Municipal Point Sources	Temperature	2024, 2022, 2020
											Minor Industrial Point Sources	Total, Nitrogen	2024, 2022, 2020, 2018, 2016
											Onsite Wastewater Systems Urban Runoff/Storm Sewers	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

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

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					
<b>RÍO DAGUAO</b>	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
<b>QUEBRADA BOTIJAS</b>	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
<b>RÍO BLANCO</b>	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
<b>RÍO ANTÓN RUIZ</b>	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 Temperature	2020, 2016, 2014, 2012 2020
<b>QUEBRADA FRONTERA</b>	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

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

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					
<b>RÍO HUMACAO</b>	RÍO HUMACAO PRER33A			NS 50082000							Collection System Failure	Copper	2022, 2018, 2014
											Confined Animal Feeding Operations	Enterococci	2024, 2022, 2020, 2018
											Landfill	Surfactants	2024
											Minor Industrial Point Sources	Temperature	2024, 2022, 2020
											Onsite Wastewater Systems	Total, Nitrogen	2022, 2020, 2018
											Urban Runoff/Storm Sewers	Total, Phosphorus	2024, 2022, 2020, 2018, 2016
												Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2008, 2006
<b>RÍO CANDELERO</b>	RÍO CANDELERO PRER34A	10.4	SD		4a	4a	5	3	D F H	M	Onsite Wastewater Systems	Dissolved Oxygen	2020, 2018, 2012
											Confined Animal Feeding Operations		
<b>RÍO GUAYANÉS</b>	RÍO GUAYANÉS PRER35A	62.0	SD	NS 50085000	5	5	5	5	F	M	Agriculture	Chromium VI	2022, 2020
											Confined Animal Feeding Operations	Copper	2024, 2020, 2016, 2014, 2012, 2006
											Landfill	Enterococci	2024, 2022, 2020, 2018
											Minor Industrial Point Sources	Temperature	2024, 2022
											Onsite Wastewater Systems	Total, Nitrogen	2022
												Total, Phosphorus	2024, 2022, 2020

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

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
<b>RÍO MAUNABO</b>	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
<b>QUEBRADA PALENQUE</b>	QUEBRADA PALENQUE PRSQ41A	1.0	SD		4a	4a	5	3	D H J, L	M	Onsite Wastewater Systems	Dissolved Oxygen	2012
<b>RÍO CHICO</b>	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
<b>RÍO GRANDE DE PATILLAS</b>	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

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

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	
<b>RÍO GUAMANÍ</b>	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
<b>QUEBRADA MELANÍA</b>	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
<b>RÍO SECO</b>	RÍO SECO PRSR51A	24.7	SD		4a	4a	5	3	D H J, L	M	Agriculture Onsite Wastewater Systems	Dissolved Oxygen	2012
<b>QUEBRADA AMORÓS</b>	QUEBRADA AMORÓS PRSQ52A	0.7	SD		4a	4a	5	3	D H J, L	M	Agriculture Collection System Failure Onsite Wastewater Systems	Dissolved Oxygen pH	2020, 2012, 2008 2020
<b>QUEBRADA AGUAS VERDES</b>	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
<b>RÍO NIGUAS DE SALINAS</b>	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

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

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		
<b>RÍO CAYURES</b>	RÍO CAYURES PRSR56A	5.0	SD		4a	4a	5	3	D H J L	M	Agriculture	Dissolved Oxygen	2016, 2014, 2012
											Onsite Wastewater Systems	Surfactants	2016, 2014, 2012
<b>RÍO COAMO</b>	RÍO COAMO PRSR57A2	59.0	SD	NS 50106500	5	5	5	5	J	H	Agriculture	Chromium VI	2022, 2020
											Collection System Failure	Cyanide	2024, 2022
											Confined Animal Feeding Operations	Enterococci	2024, 2022, 2020, 2018
											Landfill	Surfactants	2024
											Minor Industrial Point Sources	Temperature	2024, 2022
											Onsite Wastewater Systems	Total, Nitrogen	2024, 2020, 2016
											Urban Runoff/Storm Sewers	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
<b>RÍO BUCANÁ-CERRILLOS</b>	RÍO BUCANÁ-CERRILLOS PRSR62A1	27.8	SD	NS 50114400	5	5	5	5	J	M	Collection System Failure	Chromium VI	2022, 2020
											Onsite Wastewater Systems	Cyanide	2024
												Dissolved Oxygen	2024, 2022, 2020, 2018

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

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 Cyanide Enterococci Surfactants	2022, 2020 2024 2024, 2022, 2020, 2018 2024
<b>RÍO PORTUGUÉS</b>	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 Cyanide Dissolved Oxygen Enterococci	2022, 2020 2024 2024 2024, 2022, 2020, 2018
<b>RÍO MATILDE – PASTILLO</b>	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

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

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					
<b>RÍO TALLABOA</b>	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
<b>RÍO GUAYANILLA A</b>	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												
<b>RÍO YAUCO</b>	RÍO YAUCO PRSR68A1	61.4	SD		4a	4a	5	5	D F	M	Agriculture	Dissolved Oxygen	2014

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

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
<b>RÍO LOCO</b>	RÍO LOCO PRSR69A1	92.4	SD		4a	4a	5	5	D F H	M	Agriculture	Dissolved Oxygen	2020, 2016, 2014, 2012, 2006
											Collection System Failure		Temperature
											Confined Animal Feeding Operation Landfills Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2020
<b>QUEBRADA ZUMBÓN</b>	QUEBRADA ZUMBÓN PRWQ72A	1.7	SD		4a	4a	5	3	D H J, L	M	Collection System Failure	Dissolved Oxygen	2016, 2014
											Onsite Wastewater Systems		Surfactants
<b>QUEBRADA GONZÁLEZ</b>	QUEBRADA GONZÁLEZ PRWQ73A	1.8	SD		4a	4a	5	3	D H J, L	M	Onsite Wastewater Systems	Dissolved Oxygen	2020, 2018, 2012

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

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 Failure	Chromium VI	2022, 2020
												Cyanide	2024, 2022

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

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 Enterococci Surfactants Temperature Total, Phosphorus	2024, 2022, 2020, 2018, 2016, 2014, 2012 2024, 2022, 2020, 2018 2024 2024 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
<b>CAÑO MERLE</b>	CAÑO MERLE PRWK78A	1.6	SD		4a	4a	5	3	D H J L	M	Collection System Failure Surfaces Mining Onsite Wastewater Systems Urban Runoff/Storm Sewers	Dissolved Oxygen Surfactants	2012 2012
<b>RÍO YAGÜEZ</b>	RÍO YAGÜEZ PRWR79A	42.2	SD	NS 50139000	5	5	5	5	J	H	Agriculture Collection System Failure Confined Animal Feeding Operations Minor Industrial Point Sources	Chromium VI Cyanide Enterococci Temperature Total, Nitrogen	2022, 2020 2024 2024, 2022, 2020, 2018 2024 2024

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

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 Turbidity	2024 2024
<b>RÍO GRANDE DE AÑASCO</b>	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
											Agriculture Confined Animal Feeding Operations Minor Industrial Point Sources Onsite Wastewater Systems	Pesticides	2012
<b>QUEBRADA LOS RAMOS</b>	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
<b>QUEBRADA PILETAS</b>	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

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

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	Pesticides	2012
	QUEBRADA EL SALTO PRWQ95G	7.8	SD		4a	4a	5	3	D H K	H	Agriculture	Dissolved Oxygen	2020, 2016
	QUEBRADA GRANDE DE LA MAJAGUA PRWQ95H	5.6	SD		4a	4a	5	5	D H K	H	Agriculture	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.

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

- 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.

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

### 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

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

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					
<b>RÍO HERRERA PRER15A</b>	RÍO HERRERA PREE15A	0.102	SB		4a	4a	5	D F, H	M	Landfill Onsite Wastewater Systems	Surfactants	2012
<b>RÍO ESPÍRITU SANT PRER16A</b>	RÍO ESPÍRITU SANTO PREE16A	0.5758	SB		4a	4a	5	D F, H	M	Collection System Failure	Dissolved Oxygen	2012, 2006
										Onsite Wastewater Systems	Surfactants	2012
<b>RÍO DEMAJAGUA PRER23A</b>	RÍO DEMAJAGUA PREE23A	0.0028	SB		4a	4a	5	D H, J	M	Collection System Failure Urban Runoff/Storm Sewers	Turbidity	2012
<b>RÍO CANDELERO PRER34A</b>	RÍO CANDELERO PREE34A	0.078	SB		4a	4a	5	D F, H	M	Collection System Failure	Dissolved Oxygen	2006
											Temperature	2012
<b>RÍO GUAYANÉS PRER35A</b>	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
<b>CAÑO SANTIAGO PREK35.1</b>	CAÑO SANTIAGO PREE35.1	0.1152	SB		4a	4a	5	D F H	M	Agriculture Collection System Failure	Dissolved Oxygen	2012, 2006
										Landfill	Surfactants	2012
										Major Municipal Point Sources Minor Industrial Point Sources Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2012

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

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					
<b>RÍO MATILDE-PASTILLO PRSR64A</b>	RÍO MATILDE-PASTILLO PRSE64A	0.0432	SB		4a	4a	5	D H J, L	M	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2012
<b>RÍO TALLABOA PRSR65A</b>	RÍO TALLABOA PRSE65A	0.0336	SB		4a	4a	5	D, H J, L	M	Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2012
<b>CAÑO MERLE PRWK78A</b>	CAÑO MERLE PRWE78A	0.158	SB		4a	4a	5	D, H J, L	M	Collection System Failure	Surfactants	2014
<b>CAÑO BOQUILLA PRWK82A</b>	CAÑO BOQUILLA PRWE82A	0.062	SB		3	3	5	D H L	L	Onsite Wastewater Systems	Dissolved Oxygen	2012
											Surfactants	2012
											Turbidity	2012
<b>QUEBRADA GRANDE DE CALVACHE PRWQ88A</b>	QUEBRADA GRANDE DE CALVACHE PRWE88A	0.002	SB		4a	4a	5	D H L	M	Urban Runoff/Storm Sewers	Dissolved Oxygen	2016, 2012, 2008
<b>RÍO GUAYABO PRWR94A</b>	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:**

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

**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.

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

**SAN JUAN BAY ESTUARY**

<b>Size of waters Impaired by Causes San Juan Bay Estuary System</b>	
<b>Causes of Impairments</b>	<b>Size of Waters Impaired (sq. mi., miles)</b>
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

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

**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					
<b>ESTUARY SYSTEM</b>	<b>PREE13A1</b> * Caño Control de La Malaria * Bahía de San Juan * Caño San Antonio * Laguna Del Condado * Península La Esperanza	18.8 miles	SB	<b>ED SJBEP</b> - Bahía de San Juan 1, 2, 3 Laguna Del Condado 1, 2 Canal San Antonio Canal La Malaria Península La Esperanza  <b>ED USGS</b> – 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
	<b>PREE13A2</b> * Río Piedras * Embalse Las Curías	0.1009 sq. mi 55 miles	SD	NS 50049100 89027  <b>ED SJBEP</b> - Río Piedras 01, 02, 03 Río Puerto Nuevo Embalse Las Curías	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												

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

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	
	<b>PREE13A3</b> * 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  <b>ED SJBEP –</b> 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

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

**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.

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

**LAGOONS**

<b>Size of waters Impaired by Causes (Monitored Acres for Lagoons)</b>	
<b>Causes of Impairments</b>	<b>Size of Waters Impaired (sq. mi.)</b>
Copper	2.6172
Dissolved Oxygen	3.8781
Enterococci	0.5250
pH	1.2703
Temperature	0.4016
Turbidity	1.4344

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

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
LAGUNA AGUAS PRIETAS	PREN0011	0.2	SB		3	3	5	H	L	Unknown Source	pH	2014
											Copper	2014
											Dissolved Oxygen	2014
LAGUNA GRANDE	PREN0012	0.3375	SB		5	5	5	H	L	Marinas and Recreational Boating Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2014
											Dissolved Oxygen	2014, 2008
											Enterococci	2014
LAGUNA CEIBA	PREN0013	0.1875	SB		5	5	5	H	L	Unknown Source	pH	2008
											Copper	2014
											Dissolved Oxygen	2014
											Enterococci	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

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

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					
<b>LAGUNA MAR NEGRO</b>										Urban Runoff/Storm Sewers	Dissolved Oxygen	2014
											pH	2014
<b>LAGUNA PUNTA ARENAS</b>	PRSN0016	0.0281	SB		3	3	5	H	L	Unknown Source Urban Runoff/Storm Sewers	Copper	2014
											Dissolved Oxygen	2014
											Temperature	2014
											Turbidity	2014
<b>LAGUNA TIBURONES</b>	PRSN0017	0.0219	SB		3	3	5	H	L	Landfill Unknown Source	Copper	2014
											Dissolved Oxygen	2014
											pH	2014
											Temperature	2014
											Turbidity	2014
<b>LAGUNA SALINAS</b>	PRSN0018	0.1203	SB		3	3	5	H	L	Onsite Wastewater Systems Unknown Source	Copper	2014
											Dissolved Oxygen	2014
<b>LAGUNA SALINAS I (FRATERNIDAD)</b>	PRSN0019	0.4594	SB		3	3	5	H	L	Onsite Wastewater Systems Unknown Source	Copper	2014
											Dissolved Oxygen	2014
											Turbidity	2014
<b>LAGUNA CABO ROJO 2 (CANDELARIA)</b>	PRSN0020	0.2969	SB		3	3	5	H	L	Unknown Source	Copper	2014
											Dissolved Oxygen	2014
											Temperature	2014
											Turbidity	2014
<b>LAGUNA CABO ROJO 3 (EL FARO)</b>	PRSN0021	0.1078	SB		3	3	5	H	L	Unknown Source	Copper	2014
											Dissolved Oxygen	2014
											Turbidity	2014
<b>CAÑO BOQUERÓN</b>	PRSN0022	0.2859	SB		3	3	5	H	L	Marinas and Recreational Boating Minor Industrial Point Sources	Copper	2014
											Dissolved Oxygen	2014
											pH	2014
											Turbidity	2014
	PRSN0023	0.0344	SB		3	3	5	H	L	Unknown Source	Dissolved Oxygen	2014

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

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 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.

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

### 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

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

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					
<b>RÍO GUAJATACA</b>	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
<b>RÍO GRANDE DE ARECIBO</b>	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

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

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					
<b>RÍO GRANDE DE ARECIBO</b>	LAGO CAONILLAS PRNL <sub>2</sub> 7C1	700 acres	SD	NS 89001 89002 89003	4a	4a	5	5	K	H	Agriculture Onsite Wastewater Systems	Turbidity	2022, 2020
												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
<b>RÍO GRANDE DE ARECIBO</b>	LAGO GARZAS PRNL <sub>3</sub> 7A3	108 acres	SD	NS 20050	4a	4a	5	5	K	H	Agriculture Onsite Wastewater Systems Unknown Sources	Turbidity	2024
												Copper	2020
												Dissolved Oxygen	2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010, 2006
												Lead	2020
												Pesticides	2008
												pH	2024
<b>RÍO GRANDE DE MANATÍ</b>	LAGO GUINEO PRNL <sub>1</sub> 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

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

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					
<b>RÍO GRANDE DE MANATÍ</b>	LAGO MATRULLA S PRNL <sub>2</sub> 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
<b>RÍO DE LA PLATA</b>	LAGO DE LA PLATA PREL <sub>1</sub> 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												

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

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					
<b>RÍO DE LA PLATA</b>	LAGO CARITE PREL <sub>2</sub> 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
<b>RÍO BAYAMÓN</b>	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
												Turbidity	2024
<b>RÍO GRANDE DE LOIZA</b>	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

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

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
<b>RÍO GRANDE DE PATILLAS</b>	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
<b>QUEBRADA MELANÍA</b>	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												

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

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
<b>RÍO JACAGUAS</b>	LAGO GUAYABAL PRSL <sub>1</sub> 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
<b>RÍO JACAGUAS</b>	LAGO TOA VACA PRSL <sub>2</sub> 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

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

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					
<b>RÍO BUCANÁ-CERRILLOS</b>	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	
<b>RIO YAUCO</b>	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	
<b>RÍO LOCO</b>	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

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

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	
<b>RÍO GRANDE DE AÑASCO</b>	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:**

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

**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.

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

### 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

**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					
<b>PRNC01</b> 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
<b>PRNC02</b> 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	
<b>PRNC03</b> 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
<b>PRNC04</b> 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
<b>PRNC05</b>	7.46	SB	NS SBZ-010	1	1	5		L	Unknown Source	Copper	2020, 2018
										Enterococci	2022, 2018

**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					
Punta Manatí to Punta Chivato			SEG5-01						Mercury	2020	
									Thallium	2020	
									pH	2022, 2020, 2018	
									Turbidity	2022, 2018	
									Temperature	2024	
<b>PRNC06</b> 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
<b>PRNC07</b> 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
<b>PRNC08</b> 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
<b>PREC09</b> 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

**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					
									Turbidity	2024, 2022, 2020, 2018, 2016	
<b>PREC10B</b> 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
<b>PREC10C</b> 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										
<b>PREC11</b> 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
<b>PREC12</b>	3.5	SB	NS	1	1	5		L	Unknown Sources	Enterococci	2022

**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					
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	
<b>PREC13</b> 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										
<b>PREC14</b> 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										
<b>PREC15</b> 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										

**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					
<b>PREC16</b> 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										
<b>PREC17</b> 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
<b>PREC18</b> 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
										Turbidity	2024, 2022, 2020, 2018, 2016, 2014, 2012
<b>PREC19</b> 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	Copper	2020, 2018
										Enterococci	2024, 2022, 2020, 2018, 2016
										Oil & Grease	2014
										Temperature	2024, 2022, 2020
										Turbidity	2022, 2020, 2018, 2016, 2014

**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					
<b>PREC20</b> 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										
<b>PREC23</b> 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
<b>PREC24</b> 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
<b>PREC25</b> 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
<b>PREC26</b> 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
<b>PREC27</b>	3.74	SB	NS	5	5	5		L		Arsenic	2020

**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					
Punta Candelero to Punta Guayanés			SEG27-01					Onsite Wastewater Systems Urban Runoff/Storm Sewers	Copper	2020	
									Thallium	2020	
									Enterococci	2024, 2022, 2020, 2018, 2008	
									Turbidity	2024, 2022, 2020, 2018, 2016	
<b>PREC28B</b> Punta Quebrada Honda to Punta Yeguas	0.74	SB	NS SBZ-038	5	5	5		L Onsite Wastewater Systems Unknown Source	Copper	2020, 2018	
									Thallium	2020	
									Enterococci	2020, 2018	
									Turbidity	2022, 2020, 2016	
<b>PREC28C</b> 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	2020	
									Mercury	2020	
									Copper	2020, 2018	
									Thallium	2020	
									Enterococci	2020, 2018	
									Oil & Grease	2014	
									Temperature	2020	
Turbidity	2022, 2020, 2018, 2016, 2014, 2012										
<b>PREC29</b> 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	2020, 2018	
									Lead	2018	
									Thallium	2020	
									Enterococci	2020	
									pH	2020, 2018	
									Temperature	2024	
Turbidity	2024, 2022, 2020, 2018, 2016										
<b>PREC30</b> Punta Tuna to Cabo Mala Pascua	2.65	SB	NS MAC-082	5	5	5		L Unknown Source	Copper	2020, 2018	
									Enterococci	2024, 2022, 2020, 2018, 2016	

**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					
									Turbidity	2022, 2020, 2018, 2016, 2014, 2012	
<b>PRSC31</b> 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
<b>PRSC32</b> 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
<b>PRSC33</b> 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
<b>PRSC34</b> 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

**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					
			Reserve of Jobos Bay							Enterococci Oil & Grease pH Temperature Turbidity	2024, 2022, 2018, 2012, 2010 2014 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010 2024, 2022, 2020, 2016, 2014 2024, 2022, 2020, 2018, 2016, 2014, 2012, 2010
<b>PRSC35</b> 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
Turbidity	2024, 2022, 2020, 2018, 2016, 2014										
<b>PRSC36B</b> 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	pH	2024, 2022, 2020
										Temperature	2024, 2022, 2020
										Enterococci	2022
										Copper	2018
										Mercury	2018
										Turbidity	2022, 2020, 2018, 2016
<b>PRSC36C</b>	6.70	SB	NS MAC-022	5	5	5		L	Major Municipal Point Sources	Turbidity	2024, 2022, 2020
										Copper	2020, 2018

**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					
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		
									Oil & Grease		
<b>PRSC37B</b> 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		
									pH		
									Copper		
									Nickel		
Mercury											
<b>PRSC37C</b> 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		
									Mercury		
									Lead		
									Nickel		
									Thallium		
									Oil & Grease		
Zinc											
<b>PRSC38</b> 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		
									Thallium		
									Oil & Grease		
									Enterococci		
									Turbidity		

**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					
									Urban Runoff/Storm Sewers	Temperature	2024, 2022, 2020, 2018, 2016, 2014
<b>PRSC39</b> 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
<b>PRSC40</b> 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
<b>PRSC41B1</b> 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
<b>PRSC41B2</b> 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										

**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					
<b>PRSC41B3</b> 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										
<b>PRWC42</b> 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
<b>PRWC43</b> 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
<b>PRWC44</b> 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

**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					
<b>PRWC45</b> 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
<b>PRWC46</b> 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
<b>PRWC47</b> 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
<b>PRWC48</b> 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										
Temperature	2024										
<b>PRWC49</b>	6.98	SB	NS	5	5	5		L		Copper	2020, 2018

**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					
Punta Algarrobo to Punta Cadena			MAC-041 SEG49-01 RW-15					Major Municipal Point Sources Upstream Impoundment Urban Runoff/Storm Sewers Onsite Wastewater Systems	Enterococci	2022, 2020, 2018	
									Nickel	2020	
									pH	2024, 2022, 2018, 2012	
									Temperature	2024, 2022, 2020	
									Turbidity	2022, 2020, 2018, 2016, 2014	
<b>PRWC50</b> Punta Cadena to Punta Higüero	4.98	SB	NS SBZ-054 SBZ-055 RW-5	5	5	5		L Onsite Wastewater Systems Unknown Sources Upstream Impoundment	Copper	2020, 2018	
									Nickel	2020, 2018	
									Enterococci	2024, 2022, 2018	
									pH	2022	
									Turbidity	2022, 2020, 2018, 2016	
									Lead	2018	
									Mercury	2020	
Temperature	2024										
<b>PRWC51</b> Punta Higüero to Punta del Boquerón	6.14	SB	NS SEG51-01 SEG51-02 RW-22	5	5	5		L Onsite Wastewater Systems Unknown Source	Copper	2020, 2018	
									Lead	2020	
									Mercury	2020	
									Nickel	2020, 2018	
									Enterococci	2024, 2022, 2020, 2018	
Turbidity	2020, 2018, 2016										
<b>PRWC52</b> 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 Onsite Wastewater Systems Urban Runoff/Storm Sewers	Turbidity	2024, 2022, 2020, 2016, 2018	
									Copper	2020	
<b>PRCC53</b>	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.

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

**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 alternative 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; compliance inspections, notification of violations and enforcement actions were carried out.
- As part of the water quality information requested from different government agencies, the PRDNER 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 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](mailto: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](mailto: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](http://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](mailto:waterquality@drna.pr.gov). Las partes interesadas o afectadas pueden someter sus comentarios por escrito a la Sr. 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](mailto: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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787.999.2200

## 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 \*:** USFWS “No Effect” Memo and supporting documentations

Date: May 8, 2025

Applicant ID: PR-ESP-00163

Street Address: 50 San Jose esquina San Sebastian, San Juan PR, 00901

Municipality: San Juan

RE: No Effect Determination for PR-ESP-00163

## 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 the proposed project, PR-ESP-00163, located at 50 San Jose esquina San Sebastian, San Juan PR, 00901 (Parcel ID# 022-092-017-09-001) 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 San Juan, 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: 18.467164, Longitude: -66.117648 (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
Black-capped Petrel ( <i>Pterodroma hasitata</i> )	Endangered
Roseate Tern ( <i>Sterna dougallii dougallii</i> )	Threatened

<b>Critical Habitat</b>
None.

**Existing Conditions:**

The area where the activities will be taking place consists of approximately 0.03-acres of land located at 50 San Jose esquina San Sebastian, San Juan PR, 00901. According to the U.S. Geological Survey National Land Cover Database (NLCD) (Appendix A, Figure 4) the majority of the project area consists of high intensity developed land. A structure matching project orientation is present on earliest historic imagery from 1930. The building construction date is circa 1920. 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 72000C0355J 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, according to Wetlands Maps, an estuarine and marine wetland is 717 feet north where the commercial building is located. 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 7, 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
Black-capped Petrel <i>(Pterodroma hasitata)</i>	No Effect	None required
Roseate Tern <i>(Sterna dougallii dougallii)</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 April 30, 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.

### Black-capped Petrel (*Pterodroma hasitata*)

Black-capped petrels are pelagic seabirds that only nest on the island of Hispaniola in the Caribbean. Known as one of the gadfly petrels because of their speedy, weaving flight, black-capped petrels are widely distributed and travel long distances to foraging areas in the western Atlantic and southern Caribbean basins and the central and northeastern Gulf of Mexico.

### Roseate Tern (*Sterna dougallii dougallii*)

The roseate tern (*Sterna dougallii*) is found throughout the world. The federally listed threatened Caribbean population breeds on islands in the Caribbean Sea from the Florida Keys to the Lesser Antilles. Both populations winter on the north and east coasts of South America.

The species Black-capped Petrel and Roseate Tern were not addressed in the Dkey responses. Nonetheless, it was concluded that the project would have 'No Effect' determination on these species, as all proposed improvements will be limited to the roof, floors, and walls of the existing building. There will be no ground disturbance, vegetation clearing, or tree removal associated with the project, and the area is fully developed and does not contain a suitable habitat for these species.



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Patricia Carmenatty / Senior Biologist

May 8, 2025

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Date

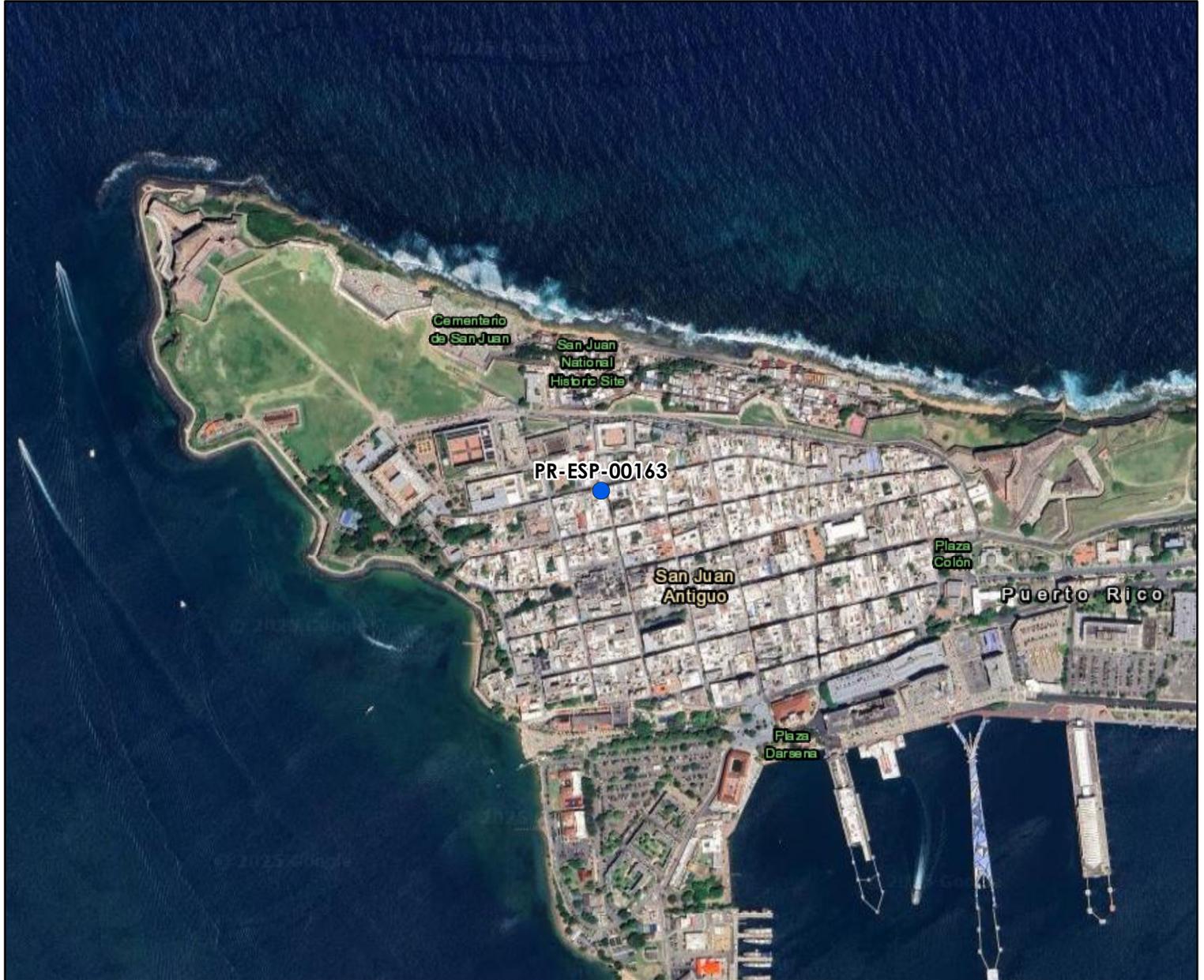
## **Appendix A: Figures**

La Tortuga Bistró Bar  
50 San José  
Esquina San Sebastian,  
San Juan PR 00901  
Catastro: 022-092-017-09-001  
Lat: 18.467164, Lon: -66.117648

Figure 1

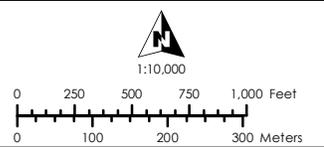
# Location: Aerial Map

Electrical Power Reliability and Resilience Program (ER2)



## Legend:

● PR-ESP-00163

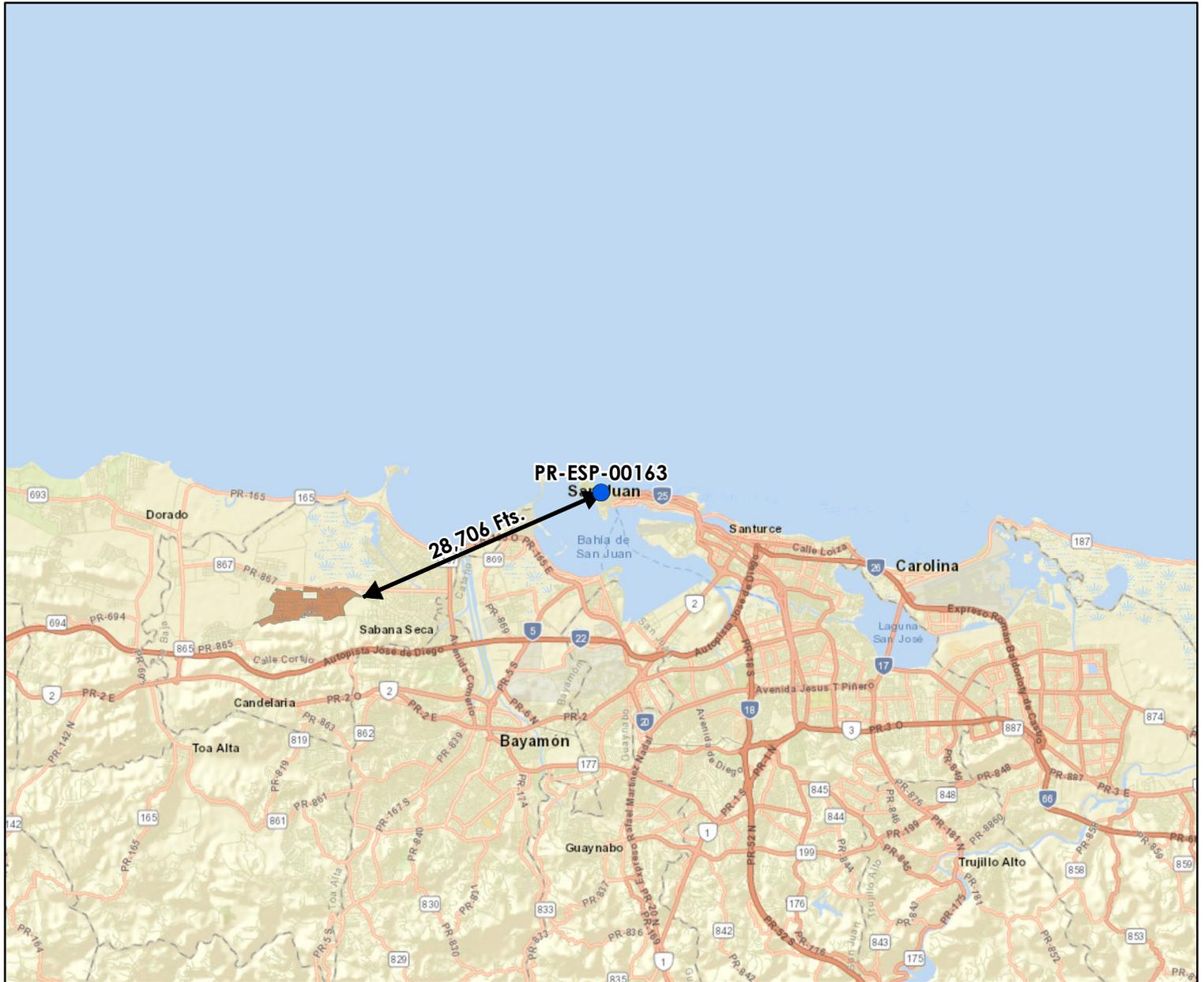


Service Layer Credits:  
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:  
Centro de Recaudación de Ingresos Municipales (CRIM)  
<https://catastro.crimpr.net/cdprpc/>

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
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Figure 2  
**Threatened and Endangered Species Map**  
 Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- Critical Habitat

1:200,000  
 0 10,000 20,000 Feet  
 0 2,000 4,000 6,000 Meters

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/>

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 3

# Location: Topographic Map

Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- Elev\_Contour

**Quadrangle: San Juan y Bayamón**

1:10,000

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)

La Tortuga Bistró Bar  
50 San José  
Esquina San Sebastian,  
San Juan PR 00901  
Catastro: 022-092-017-09-001  
Lat: 18.467164, Lon: -66.117648



**Legend:**

- PR-ESP-00163
- Developed Open Space
- High Intensity Developed
- Low Intensity Developed
- Medium Intensity Developed

1:2,000

0 100 200 Feet

0 20 40 60 Meters

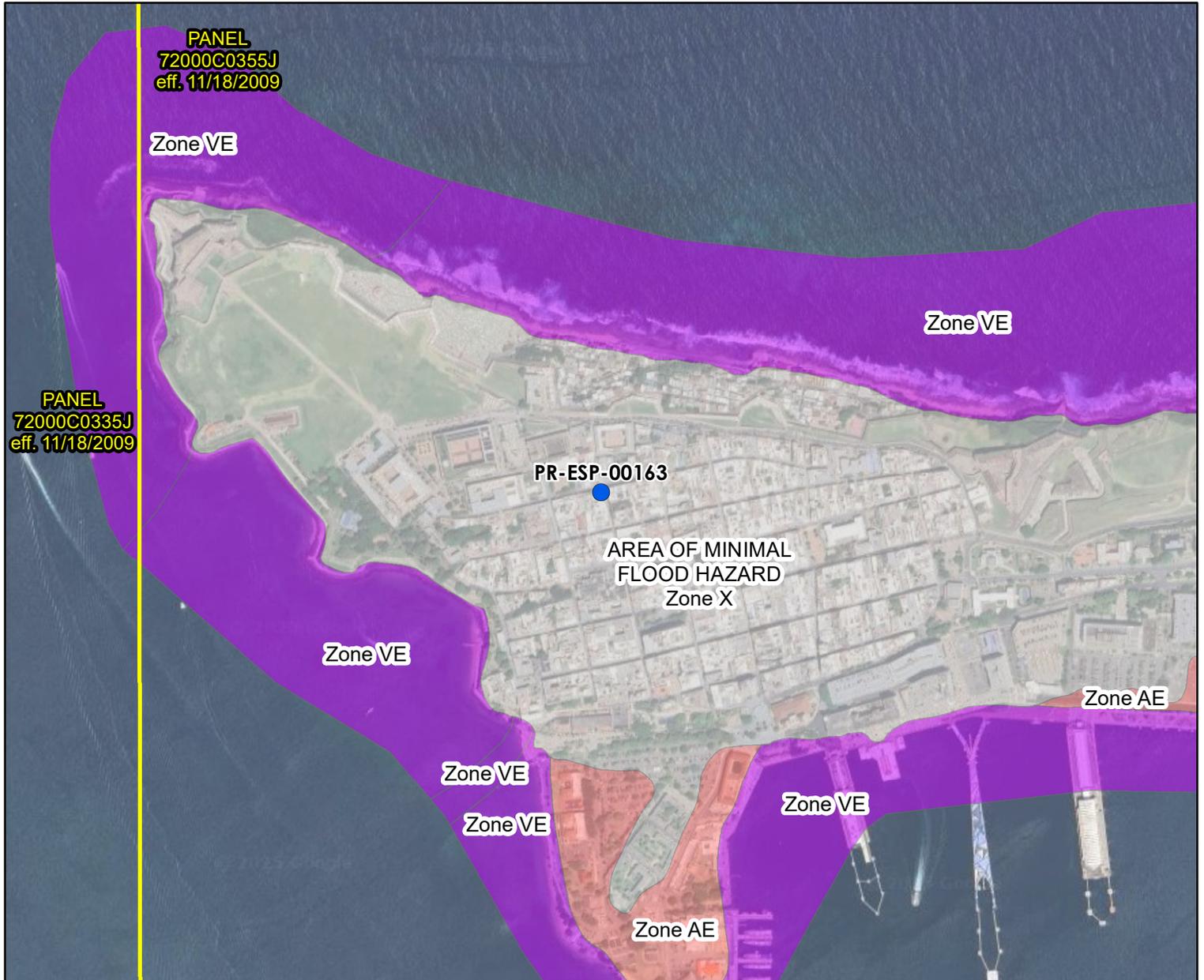


Service Layer Credits:  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Source:  
Multi-Resolution Land Characteristics (MRLC) Consortium  
<https://www.mrlc.gov/viewer/>

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 5  
**Flood Insurance Rate Map**  
 Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- 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

1:10,000  
 0 250 500 750 1,000 Feet  
 0 100 200 300 Meters

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

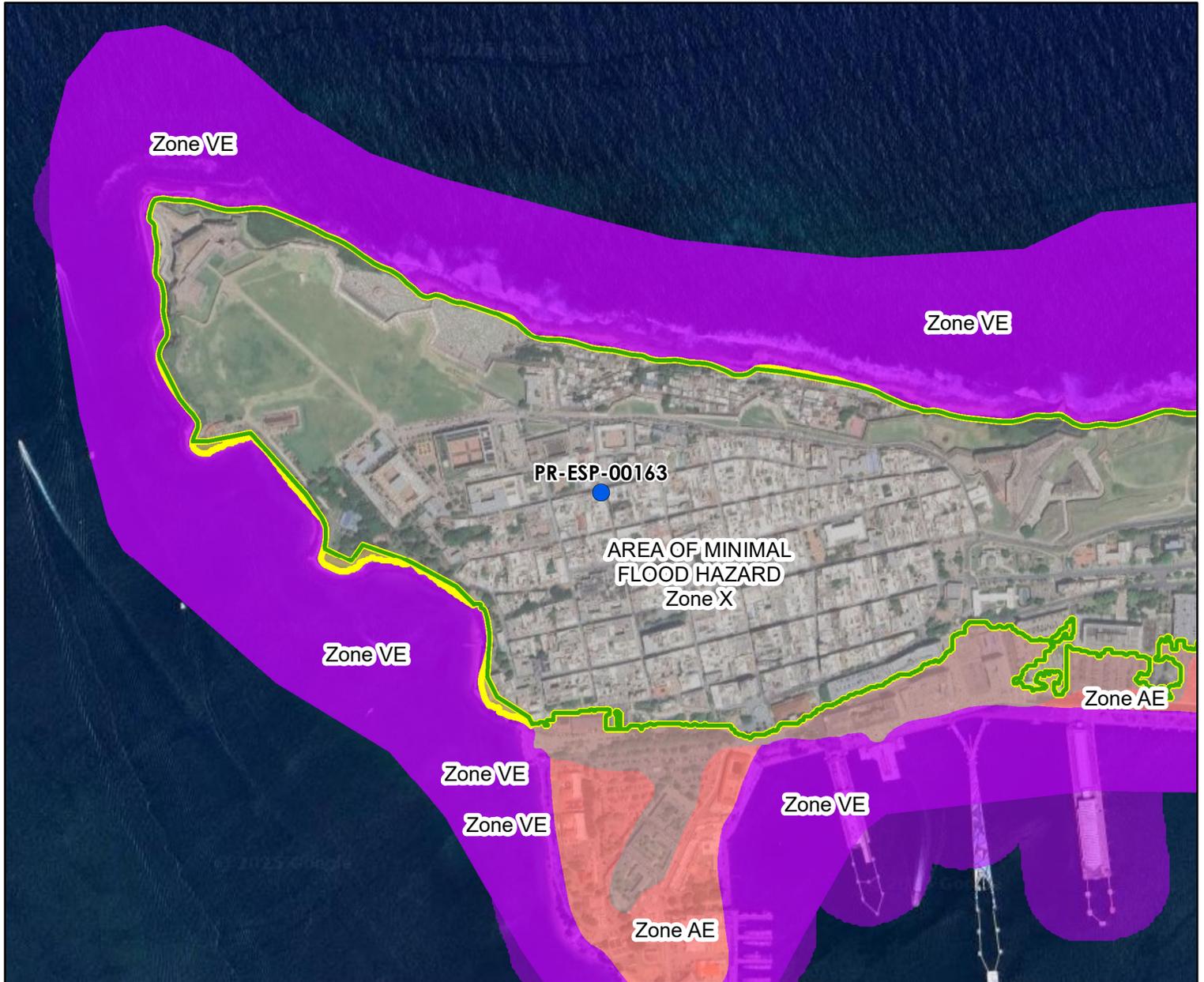
Source:  
 Federal Emergency Management Agency (FEMA)  
<https://msc.fema.gov/portal/home>

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 6

# Advisory Base Flood Elevation Map

Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- Area Potential Effect (Building Footprint)
- CRIM-Parcel
- Advisory Base Flood Elevations (ABFE)
- 0.2 % Annual Chance Flood
- 1 % Annual Chance Flood

Flood Zone	
<span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue;"></span>	Zone A
<span style="display: inline-block; width: 15px; height: 10px; background-color: lightcoral;"></span>	Zone AE
<span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen;"></span>	Zone AO
<span style="display: inline-block; width: 15px; height: 10px; background-color: magenta;"></span>	Zone VE
<span style="display: inline-block; width: 15px; height: 10px; background-color: gray;"></span>	Zone X - Area of Minimal Flood Hazard
<span style="display: inline-block; width: 15px; height: 10px; background-color: orange;"></span>	0.2 % Annual Chance Flood
<span style="display: inline-block; width: 15px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, gray 2px, gray 4px);"></span>	Floodway

1:10,000

0 250 500 750 1,000 Feet

0 100 200 300 Meters

Service Layer Credits:  
 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 Inundacion Base Recomendados

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Figure 7

# Wetlands Map

Electrical Power Reliability and Resilience Program (ER2)

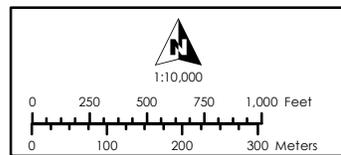


**Legend:**

- PR-ESP-00163

**National Wetlands Inventory**

<span style="display: inline-block; width: 15px; height: 15px; background-color: #008080; border: 1px solid black;"></span> Estuarine and Marine Deepwater	<span style="display: inline-block; width: 15px; height: 15px; background-color: #ADD8E6; border: 1px solid black;"></span> Freshwater Pond
<span style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black;"></span> Estuarine and Marine Wetland	<span style="display: inline-block; width: 15px; height: 15px; background-color: #483D8B; border: 1px solid black;"></span> Lake
<span style="display: inline-block; width: 15px; height: 15px; background-color: #9ACD32; border: 1px solid black;"></span> Freshwater Emergent Wetland	<span style="display: inline-block; width: 15px; height: 15px; background-color: #1E90FF; border: 1px solid black;"></span> Riverine
<span style="display: inline-block; width: 15px; height: 15px; background-color: #228B22; border: 1px solid black;"></span> Freshwater Forested/Shrub Wetland	



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

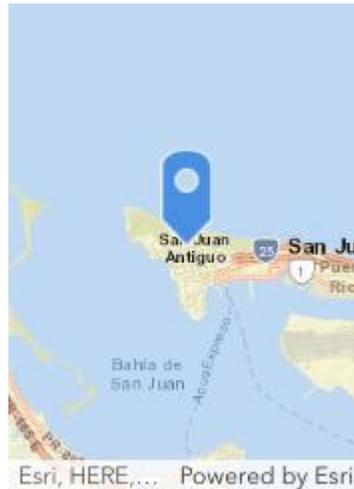
Source:  
 U.S. Fish and Wildlife Service - National Wetlands Inventory  
<https://www.fws.gov/program/national-wetlands-inventory>

## **Appendix B:** Field Observation Form and Environmental Screening Checklist

Environmental Field Assessment Form - PR-ESP-00163

**APPLICANT/LOCATION INFORMATION**

Applicant ID:	PR-ESP-00163
Applicant Name:	La Tortuga Bistró Bar
Parcel ID:	022-092-017-09-001
Coordinates:	18.467164, -66.117648
Street Address:	50 San Jose esquina San Sebastian
Municipio:	San Juan
Zip Code:	00901
Site Inspector:	Egon Gonzalez
Date of Visit:	March 7, 2025
Time of Visit:	14:04
Year Built:	Circa 1960



**Building Information**

Question	Answer	Notes
1. Location verified:	Yes	18.467164, -66.117648
2. Is the building correct on GIS?	Yes	Building is correct on GIS
3. Building Type:	Commercial	
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	

<b>Parcel Conditions</b>		
<b>Question</b>	<b>Answer</b>	<b>Notes</b>
1) Are there any 55-gallon drums visible on site? If yes, are they leaking?	No	
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	100gal Diesel tank for generator located on left side of structure, (2) 400gal Water cistern and (1) 100gal Water cistern located on roof
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	Structure is located in Old San Juan 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 7, 2025

**Front of Structure**

Photo Direction: South

Comments:



**Facing Away from Front**

Photo Direction: North

Comments:



Side #1 of Structure

Photo Direction: Southwest

Comments:



Facing Away From Side #1

Photo Direction: Southeast

Comments:



**Back of Structure**

Photo Direction: West

Comments:



**Facing Away from Back**

Photo Direction: Southwest

Comments:



Side #2 of Structure

Photo Direction: South

Comments:



Facing Away from Side #2

Photo Direction: Southwest

Comments:



**Streetscape #1**

Photo Direction: East

Comments:



**Streetscape #2**

Photo Direction: West

Comments:



Address

Photo Direction: Southwest

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: Overview



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: Gas meter connection



**Architectural Details 7**

Photo Direction:

Photo Description: Proposed location for battery storage



**Architectural Details 8**

Photo Direction:

Photo Description: (2) 400gal Water cistern and (1) 100gal Water cistern located on roof



**Architectural Details 9**

Photo Direction:

Photo Description: Propane powered generator located on roof



**Architectural Details 10**

Photo Direction:

Photo Description: Additional roof of structure view



## **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](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:  
Project Code: 2025-0090593  
Project Name: PR-ESP-00163

04/30/2025 19:18:28 UTC

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](mailto: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](mailto: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: 2025-0090593  
Project Name: PR-ESP-00163  
Project Type: Power Gen - Solar  
Project Description: La Tortuga Bistró Bar / Commercial Building  
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.467179100000003,-66.11765775872871,14z>



Counties: San Juan County, Puerto Rico

## ENDANGERED SPECIES ACT SPECIES

There is a total of 3 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 Fisheries<sup>1</sup>, 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.

**BIRDS**

NAME	STATUS
Black-capped Petrel <i>Pterodroma hasitata</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4748">https://ecos.fws.gov/ecp/species/4748</a>	Endangered
Roseate Tern <i>Sterna dougallii dougallii</i> Population: Western Hemisphere except NE U.S. No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/2083">https://ecos.fws.gov/ecp/species/2083</a>	Threatened

**REPTILES**

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6628">https://ecos.fws.gov/ecp/species/6628</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/IRGNE7H4BJFA7EUICI22V6BPBE/documents/generated/7159.pdf">https://ipac.ecosphere.fws.gov/project/IRGNE7H4BJFA7EUICI22V6BPBE/documents/generated/7159.pdf</a>	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 <sup>2</sup> and the Migratory Bird Treaty Act (MBTA) <sup>1</sup>. 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) <sup>1</sup> 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



## La Tortuga Bistró Bar / Commercial Building

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](mailto:caribbean_es@fws.gov)) to determine whether the consultation needs to be reinitiated.

In addition to the species listed above, the following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion. Effects to the other federally listed species or critical habitat as listed below should be considered as part of your ESA review for the project.

- Black-capped Petrel *Pterodroma hasitata* Endangered
- Roseate Tern *Sterna dougallii dougallii* Threatened

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](mailto:Caribbean_es@fws.gov).

## Action Description

You provided to IPaC the following name and description for the subject Action.

### 1. Name

PR-ESP-00163

### 2. Description

The following description was provided for the project 'PR-ESP-00163':

La Tortuga Bistró Bar / Commercial Building

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.467179100000003,-66.11765775872871,14z>



## 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**

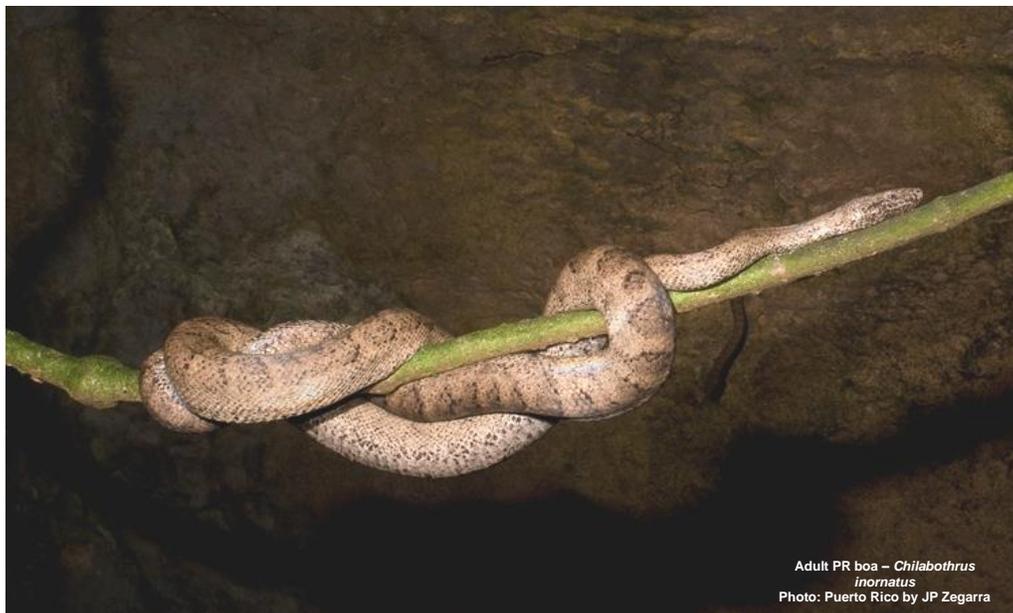


## U.S. FISH AND WILDLIFE SERVICE CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

### 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 #: (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](mailto:jose_cruz-burgos@fws.gov)
  - Office phone (305) 304-1386
- Jan Zegarra, Fish and Wildlife Biologist
  - Email: [jan\\_zegarra@fws.gov](mailto: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](mailto:carubio@prshpo.pr.gov)

October 15, 2025

**Kristin Sanders**

269 Avenida Ponce de León  
San Juan, PR 00917

**SHPO-CF-09-23-25-03 - PR-ESP-00163 (San Juan), La Tortuga Bistro  
Bar**

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:

*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





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](mailto: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:

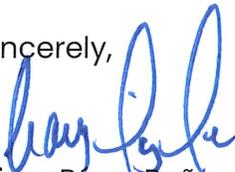
*A responsible entity shall consult with appropriate environmental agencies, State, Federal and non-Federal entities and the public in the preparation of an EIS, EA or other environmental reviews undertaken under the related laws and authorities cited in § 58.5 and § 58.6. [...].*

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](mailto:alberto.mercadovargas@horne.com)

September 23, 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-00163, LA TORTUGA BISTRO BAR, SAN JUAN, 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 La Tortuga Bistro Bar, located within the Old San Juan Historic District. The applicant is proposing the installation of a Photovoltaic System (PVS) on the roof and a Battery Storage System (BSS)

in the interior of the structure, next to the staircase to the second floor of the building located at 50 San Jose Street and San Sebastian corner. 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](mailto:kristin.sanders@horne.com) or phone at 225-276-2109.

Kindest regards,

A handwritten signature in blue ink that reads 'Kristin P. Sanders'.

**Kristin P. Sanders**

Historic Preservation Manager

Attachments

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)</b> <b>Section 106 NHPA Effect Determination – Historic Property Architectural Form</b>		
<b>Case ID:</b> PR-ESP-00163		
<b>City:</b> San Juan		

<b>Applicant Name:</b> La Tortuga Bistro Bar	
<b>Project Location</b> (Street Address, City): 50 San Jose esquina San Sebastian, San Juan	
<b>Project Coordinates</b> (Lat/Long): 18.467164, -66.117648	
<b>Parcel ID:</b> 022-092-017-09-001	
<b>Type of Undertaking:</b> Installation of Photovoltaic System (PVS) and a Battery Storage System (BSS)	
<b>Construction Date</b> (AH est.): circa 1920	<b>Property Size</b> (acres): 0.03

<b>SOI-Qualified Architect/Architectural Historian:</b> Jorge L Lizardi Pollock, PhD
<b>Date Reviewed:</b> 5/5/2025

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 building located at 50 San Jose Street and San Sebastian corner, in the San Juan Historic District, in the municipality of San Juan, which was included in the National Register of Historic Place in 2012 (SHPO #12000465). According to the project quote the PVS will be installed on the structure roof and the BSS will be installed in the interior of the structure, next to the staircase to the second floor. The proposed installation location on the subject property showing where the PVS and BSS will be shown below in Figure 1. The proposed system will not be visible from the public right-of-way.

This two-story building is an NRHP-eligible property that houses a restaurant on the first floor and apartments on the second floor, with a Spanish Colonial period origin. The street-level walls are about 14 feet high and constructed following a rectangular floor

plan over masonry footings. Building exterior and interior walls consist of a mix of tabby, brick, stone masonry, and lime mortar walls. Nevertheless, reinforced concrete was used for wall consolidations or new walls in some segments of the interior (for partitions), the stairs to the second floor, and details in the exterior. The second floor was a later addition, constructed at some point between the early and mid-twentieth century, as is evidenced in photos from the building survey carried out by the National Park Service architect Frederik Gjessing between 1952 and 1953 (see illustrations 1, 2, and 3). The second floor's irregular floor plan have diverse wall heights that are mainly of reinforce concrete.



Illustration 1 and 2. Photos from Frederik Gjessing San Juan Building Survey, undertaken between 1953 and 1954. FgJ collection, Archivo de Arquitectura y Construcción of the University of Puerto Rico. The subject building is on the street corner in both images.

Case ID: PR-ESP-00163

City: San Juan



Illustration 3. Photo from Frederik Gjessing San Juan Building Survey, undertaken between 1953 and 1954. FgJ collection, Archivo de Arquitectura y Construcción of the University of Puerto Rico. The subject building is on the street nearer corner (Colmado Rodríguez).

The property, as is usual in San Juan Spanish colonial architecture, aligns two of its façades with the street sidewalks: San Sebastián to the north, and San José to the east. Its north façade shows three door entrances distributed symmetrically, with plaster white trimmings around its horizontal and vertical jambs, iron grid gates, and double-leaf wood and glass paned doors. The east elevation shows three doorways that, unlike the north elevation, are asymmetrically distributed (the south door is the entrance that led to the staircase to the second floor). Above the door jambs and trimmings, the walls lack any decoration except for the modern commercial sign of the restaurant, flush with the

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)</b> <b>Section 106 NHPA Effect Determination – Historic Property Architectural Form</b>	
<b>Case ID:</b> PR-ESP-00163	
<b>City:</b> San Juan	

surfaces. On top of the wall, a steep cornice runs along the east and north façade of the property, but the west and south elevations are separated from the vicinity properties by party walls that are not visible from street. The San Sebastian façade is flanked on both corners by simple square pilasters also plastered, and a single pilaster is to be found in the San José and San Sebastian streets corner.

The second floor appears to be divided into different apartments, and as mentioned earlier, the entrance door and staircase are located on the south side of San José Street. A concrete volume adjacent to main living space, and featuring a flat-slab concrete roof, was added in the twentieth century, as evidenced by the building, materials, aesthetics, that are visible in Frederik G Gjessing photos (refer to illustrations 1 to 3 above). The addition date is unknown, but due to its Spanish Revival characteristics, it was probably that it was made in the late 1930s or early 1940s. In the Gjessing survey photographs, it show the same five roof-to-floor windows on the east elevation, each with short, pitched eaves above them that are covered with clay tiles. Still, only one window is present on the second level north elevation and adjacent to a volume, maybe a room, made of tongue and groove wood tables, that later was replaced by a concrete one.

As per USGS aerial photos from 1953 to present, the building has remained the same in its footprint and in its second-floor layout. Some changes were undertaken when it was restored, like the replacement of the concrete railings for wood baluster, the transformation of the already mentioned second floor protruding wood room visible in Gjessing photographs, the demolition of the cornice in above the center door in the north elevation, and the addition of Spanish colonial architectural elements. The wood volume that is now made of concrete, have a flat roof and short horizontal eaves, lacks from windows or doors facing the street, and a steel guardrail was installed in the adjacent open terrace.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)</b> <b>Section 106 NHPA Effect Determination – Historic Property Architectural Form</b>	
<b>Case ID:</b> PR-ESP-00163	
<b>City:</b> San Juan	

**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 50 San Jose Street, corner with San Sebastian Street. The Indirect/Visual APE is defined as the viewshed of the proposed project which is the surrounding properties in the San Juan Historic District.

**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 National Register of Historic Places San Juan Historic District, listed as a National Landmark in 2012 (SHPO #12000465). According to the SHPO approved designation 85 percent of Old San Juan Historic District are contributing properties (724 out from 798 buildings, sites, objects and structures). Nevertheless, only the following three within the 0.25 miles perimeter were individually included before 2012. After the landmark designation no other buildings have been individually included in the NRHP because almost all out of the 798 properties are considered eligible (see illustration 4 San Juan Historic District boundaries).

1. El Patio Español, concrete apartment building in Calle Cruz No. 53, designed by engineer Eduardo Fossas and built within a Spanish Revival Style in 1937. Included in the NRHP #05000061, in 2005. 0.12 miles SE, 18.465918, -66.116222.
2. Puerto Rico Ilustrado and El Mundo newspaper building. Concrete multistoried building in Cruz Street #254, designed by architect Francisco Roldan within a

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)</b> <b>Section 106 NHPA Effect Determination – Historic Property Architectural Form</b>	
<b>Case ID:</b> PR-ESP-00163	
<b>City:</b> San Juan	

Spanish Revival style in 1923. Individually included in the NRHP in 1997, #97001137. 0.22 miles South, 18.464336, -66.116090.

- San Juan National Historic Site, walls and forts system, built along sixteenth and twentieth century, designed by diverse engineers, included in the NRHP since 1966, #66000930, 0.08 miles north.



Illustration 4. Old San Juan Historic District boundaries. San Juan National Historic Site borders the delimitation and Puerta de Tierra recently adopted Historic District is adjacent to the east. Source State Historical Preservation Office.

Despite the transformations that the building went through along the twentieth century, it should be considered an individually eligible to the San Juan Historic District. The property complies with Criteria A, because it is a building tightly associated to the development of the Old San Juan colonial city grid which started to be built in 1521, and its footings probably dates back to the eighteenth century; with Criteria C because it stills embody distinctive characteristics of different historic periods and historic adaptations over a long span of time (Spanish colonial dominion period, early twentieth century and

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)</b> <b>Section 106 NHPA Effect Determination – Historic Property Architectural Form</b>	
<b>Case ID:</b> PR-ESP-00163	
<b>City:</b> San Juan	

the period of renovation and restoration that followed the Historic District designation by the Puerto Rico planning in the late 1940s); and finally the building comply with criteria D, because it yields important information for the history of old San Juan district, embedded into the fabric of the building itself.

All the neighboring surrounding context, likewise, is characterized by buildings that are contributing properties and have the potential of being included individually in the NRHP because similar criterion: A (events), C (architecture), and D (information potential). The building ensemble is integrated by concrete, traditional masonry, tabby and brick buildings, most of them already restored or with a good possibility of being restored complying with the Secretary of the Interior Standards for architecture and history conservation. They all align their facades within the sidewalks, are used for mix purposes like restaurants, residences and institutional programs, exhibits characteristics of Spanish Colonial architecture, early twentieth architecture and collectively represents the impressive efforts of preserving the centenary city fabric.

**Determination**

The following historic properties have been identified within the APE:

- Direct Effect:
  - The building is a contributing resource and individually eligible despite the several renovations that the property underwent along the last century, and that include additions, renovations and restoration works.
- Indirect Effect:
  - The PVS/BSS will not be visible from the street.

Based on the results of our historic property identification efforts, the Program has determined that project actions will not affect the Area of Potential Effect. According to the project quote the PVS will be installed on the structure roof and the BSS will be installed near the interior concrete staircase that led to the second floor. The proposed

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)</b> <b>Section 106 NHPA Effect Determination – Historic Property Architectural Form</b>	
<b>Case ID:</b> PR-ESP-00163	
<b>City:</b> San Juan	

system will not be visible from the public right-of-way and will not change in any way the footprint, partitions walls, nor ornaments outside or inside the building.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ENERGY POWER RELIABILITY AND RESILIENCE/DDEC ENERGY SUPPORT PROGRAM (ESP)</b> <b>Section 106 NHPA Effect Determination – Historic Property Architectural Form</b>	 <small>DEPARTMENT OF</small> <b>HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small>
<b>Case ID:</b> PR-ESP-00163	
<b>City:</b> San Juan	

**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 proposed PVS and BSS installation not visible from the street.

Adverse Effect

Proposed Resolution (if applicable)

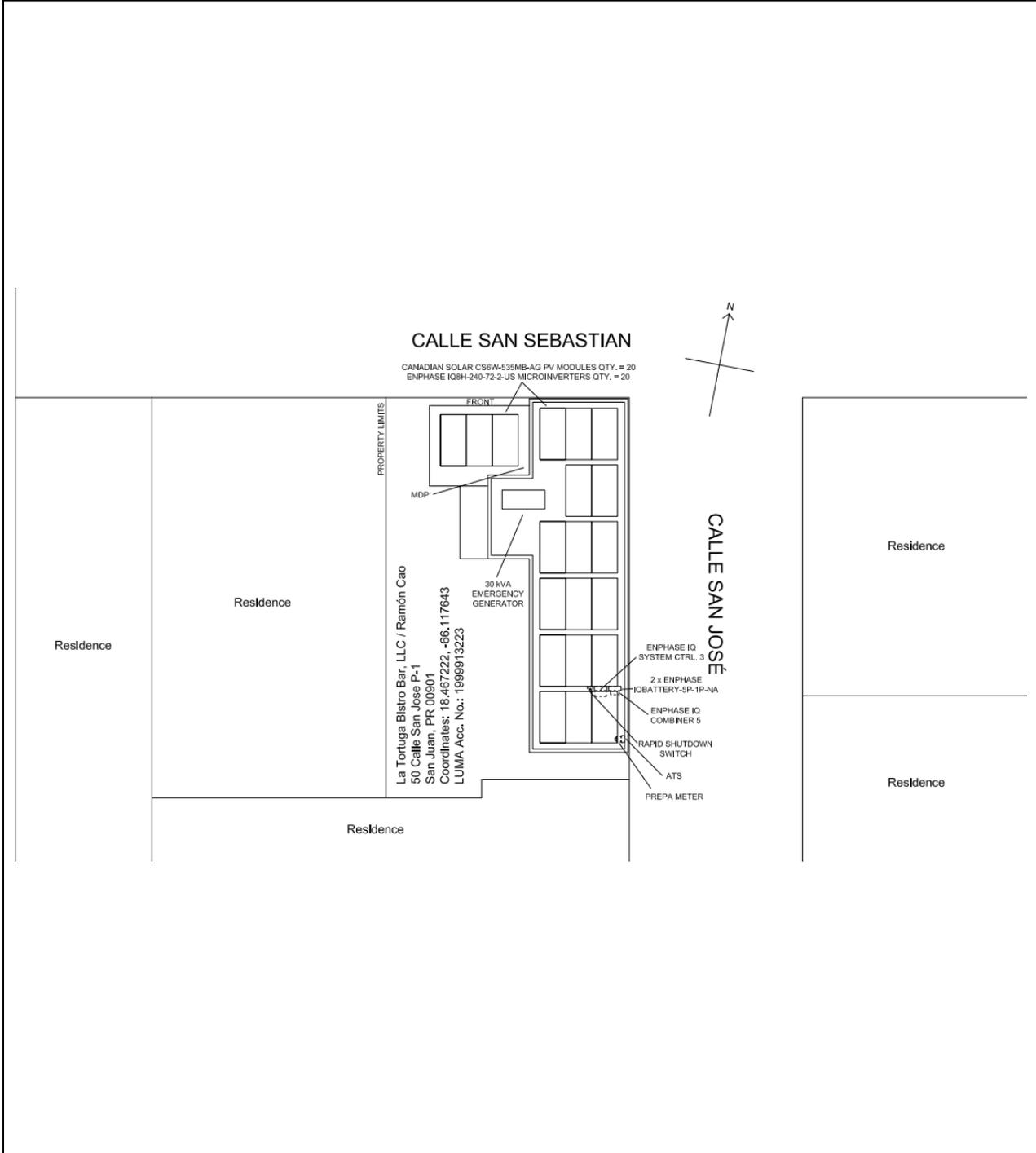
**This Section is to be Completed by SHPO Staff Only**

The Puerto Rico State Historic Preservation Office has reviewed the above information and:  <input type="checkbox"/> <b>Concurs</b> with the information provided. <input type="checkbox"/> <b>Does not concur</b> with the information provided.	
<b>Comments:</b>  	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Case ID: PR-ESP-00163

City: San Juan

PROPOSED INSTALLATION LOCATION ON THE SUBJECT PROPERTY



Case ID: PR-ESP-00163

City: San Juan

**Project (Parcel) Location – Area of Potential Effect Map (Aerial)**

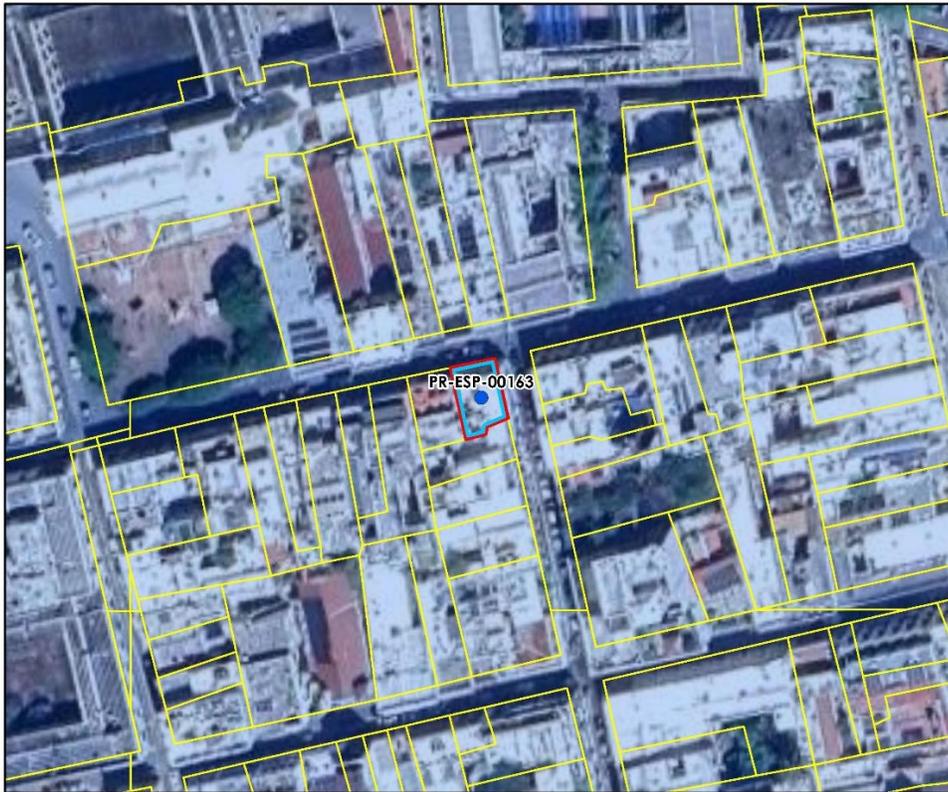
**BYA** BEHAR-YBARRA AND ASSOCIATES LLC  
 INGENIEROS AMBIENTALES, ARQUITECTOS Y PLANING  
 554 Calle Perseus, Suite 1-3, San Juan, P.R. 00920 Tel: (787) 793-0290

Application ID: PR-ESP-00163

**Project (PR-CEWRI-00163) Location:  
 Area of Potential Effect Map**

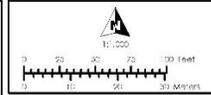
La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- Area of Potential Effect
- CRIM-Parcel
- 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/cdpprc/>

Case ID: PR-ESP-00163

City: San Juan

**Project (Parcel) Location - Aerial Map**

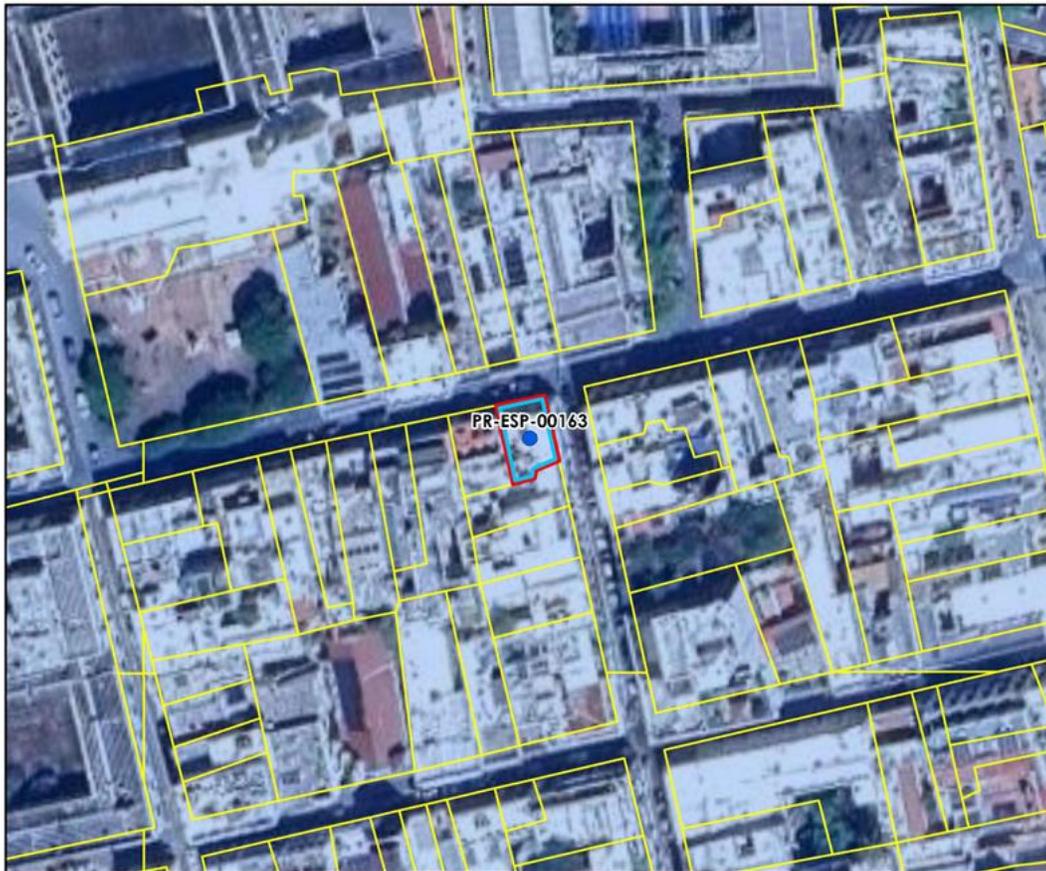
**BYA** BEHAR-YBARRA AND ASSOCIATES LLC  
INGENIEROS • ENVIRONMENTAL • ARQUITECTOS • PLANNING  
554 Calle Penasco, Suite 2-3, San Juan, P.R. 00920 Tel: (787) 763-0290

Application ID: PR-ESP-00163

**Project (PR-CEWRI-00163) Location:  
 Aerial Map**

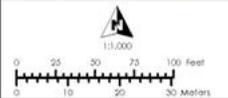
La Tortuga Bistró Bar  
 50 San José  
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 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- Area of Potential Effect
- CRIM-Parcel
- CRIM Parcels
- Traditional Urban Centers - TUC



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

Sources:  
 Centro de Recaudación de Ingresos Municipales (CRIM)  
<https://catastro.crimpr.net/cdppcz/>

Case ID: PR-ESP-00163

City: San Juan

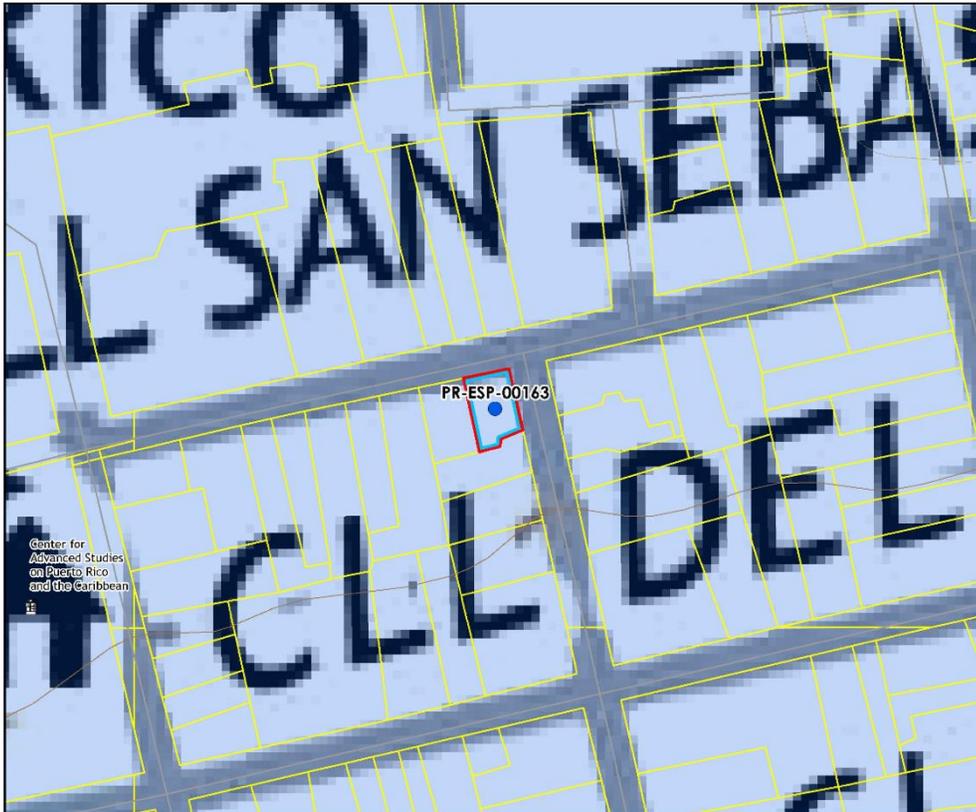
### Project (Parcel) Location - USGS Topographic Map

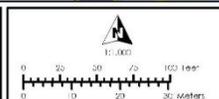
**BYA** BEHAR-YBARRA AND ASSOCIATES LLC  
ENGINEERING | ENVIRONMENTAL ARCHITECTURE | PLANNING  
 534 Calle Perseus, Suite J-3, San Juan, P.R. 00920 Tel: (787) 783-0290

Application ID: PR-ESP-00163

**Project (PR-CEWRI-00163) Location with Recorded  
 Historic Properties: USGS Topographic Map**  
 Electrical Power Reliability and Resilience Program (ER2)

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648



<p><b>Legend:</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">●</span> PR-ESP-00163</li> <li><span style="border: 1px solid cyan; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Area of Potential Effect</li> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> CRIM-Parcel</li> <li><span style="border: 1px solid yellow; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> CRIM Parcels</li> <li><span style="background-color: lightblue; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Traditional Urban Centers - TUC</li> <li><span style="border-bottom: 1px solid brown; width: 15px; display: inline-block; margin-right: 5px;"></span> Contour Interval 20 Feet</li> </ul>	 <p>1:10,000          0 20 40 60 80 100 Feet          0 0 20 30 Meters</p>	 <p>Service Layer Credits: Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth</p> <p>Source:          United States Geological Survey (USGS)          National Geographic Map Database  <a href="https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html">https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html</a></p>
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Case ID: PR-ESP-00163

City: San Juan

**Project (Parcel) Location with Recorded Historic Properties - Aerial Map**

**BYA** BEHAR-YBARRA AND ASSOCIATES LLC  
PLANNING • ENVIRONMENTAL ARCHITECTURE • LANDSCAPE  
324 CLOBO PARKWAY, SUITE 2-3, SAN JUAN, P.R. 00920 | TEL: (787) 753-0290

Application ID: PR-ESP-00163

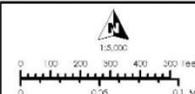
**Project (PR-CEWRI-00163) Location with Recorded Historic Properties: Aerial Map**  
 Electrical Power Reliability and Resilience Program (ER2)

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastian,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648



**Legend:**

- PR-ESP-00163
- 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-00163

City: San Juan

**Project (Parcel) Location with Recorded Historic Properties - USGS Topographic Map**

**BYA** BEHAR-YBARRA AND ASSOCIATES LLC  
ENGINEERING - ENVIRONMENTAL - ARCHITECTURAL - PLANNING  
 2514 Calle Portales, Suite 103, San Juan, P.R. 00909 | Tel: (787) 769-0200

Application ID: PR-ESP-00163

**Project (PR-CEWRI-00163) Location with Recorded Historic Properties: USGS Topographic Map**

La Tortuga Bistró Bar  
 50 San José  
 Esquina San Sebastián,  
 San Juan PR 00901  
 Catastro: 022-092-017-09-001  
 Lat: 18.467164, Lon: -66.117648

Electrical Power Reliability and Resilience Program (ER2)



**Legend:**

- PR-ESP-00163
- Buffer (0.25 Mile)
- Traditional Urban Centers - TUC
- Contour Interval 20 Feet



Scale: 0, 100, 200, 300, 400, 500 feet / 0, 0.1, 0.2 Miles

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.html](https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html)

**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-00163

**City:** San Juan



**Photo #:** 001

**Description (include direction):** Front elevation looking South

**Date:** 3/7/2025



**Photo #:** 003

**Description (include direction):** Left elevation looking Southwest

**Date:** 3/7/2025

Case ID: PR-ESP-00163

City: San Juan



Photo #: 002

Description (include direction): Right elevation looking South

Date: 3/7/2025



Photo #: 004

Description (include direction): Left elevation looking West

Date: 3/7/2025

**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-00163

**City:** San Juan



**Photo #:** 005

**Description (include direction):** Streetscape view looking East

**Date:** 3/7/2025



**Photo #:** 006

**Description (include direction):** Streetscape view looking West

**Date:** 3/7/2025

Case ID: PR-ESP-00163

City: San Juan



Photo #: 007

Description (include direction): Proposed battery storage system and inverter location.

Date: 3/7/2025

**Appendix 8:** Resolution JP-2024-004 dated  
July 24, 2024, as amended on June 11, 2025,  
for Puerto Rico Coastal Zone Management Program

GOVERNMENT OF PUERTO RICO  
PUERTO RICO PLANNING BOARD

June 11, 2024

**RESOLUTION JP-2024-004**  
**Second Amendment**

Federal Consistency Certification with the  
Puerto Rico Coastal Zone Management Program  
Community Development Block Grant – Disaster Recovery (CDBG-DR) and  
Community Development Block Grant – Mitigation (CDBG-MIT)

The United States (U.S.) Government, through Major Disaster Declarations (DR-4336 and DR-4339), declared Puerto Rico a disaster area after the devastation caused by Hurricanes Irma and María. Considering this event, the U.S. Congress approved Community Development Block Grant – Disaster Recovery (CDBG-DR) funds for Puerto Rico's unmet disaster recovery needs, and Mitigation (CDBG-MIT) funds for the Commonwealth's long-term planning and risk mitigation activities. Moreover, the Congress approved additional CDBG-DR funds for the Commonwealth in response to Major Disaster Declarations: DR-4336, DR-4339, DR-4473, and DR-4671.

The damage caused by high-speed winds, storm surges, earthquakes, flooding, and landslides attributed to major disasters, had devastating effects on Puerto Rico's coastal areas that need to be addressed in an expeditious manner. While many of the direct emergency needs have been met, disaster recovery and mitigation need of the Commonwealth are on-going and will continue into the near future.

Law Number 75 of June 24, 1975, as amended (Organic law of the Puerto Rico Planning Board) grants the Puerto Rico Planning Board (PRPB) the responsibility and powers to guide the comprehensive development of Puerto Rico, guaranteeing the general well-being of its current and future inhabitants.

The Coastal Zone Management Act of 1972 (16 U.S.C. 1451 et seq) establishes that federal agency activities including the award of Federal Assistance must be consistent to the maximum extent practicable with the enforceable policies of approved state management programs. The Puerto Rico Planning Board (PRPB) is the designated state agency to review and determine Federal Consistency with the Puerto Rico Coastal Zone Management Program (PRCZMP) according to established procedures at 15 CFR Part 930.

The Commonwealth of Puerto Rico is formally the Grantee for the CDBG-DR and CDBG-MIT funds. The Governor of Puerto Rico designated the Puerto Rico Department of Housing (PRDOH) as the grantee for the purposes of administering these funds and executing grant agreements with the U.S. Department of Housing and Urban Development (HUD), the federal oversight agency for the CDBG-DR and CDBG-MIT funding.

Taking into consideration the high volume of requests for federal assistance that has been generated as part of the recovery process following the disaster declarations and the current need to expedite this process, the PRPB proceeded to carry out a review of Federal Consistency with the PRCZMP for the following federal assistance programs:

- CDBG-DR eligible activities provided in Section 105(a) of the Housing and Community Development Act of 1974 (HCDA), and outlined in the applicable

Federal Register Notices, the CDBG-DR Action Plan and CDBG-DR Program Guidelines.

- CDBG-MIT eligible activities provided in Section 105(a) of the Housing and Community Development Act of 1974 (HCDA), and outlined in the applicable Federal Notices, the CDBG-MIT Action Plan and CDBG-MIT Program Guidelines.

After considering the information provided by PRDOH in relation to the eligible projects and activities to be awarded by the above-mentioned programs, the Puerto Rico Planning Board (PRPB) in their meeting held on July 24, 2024, agreed the following:

- A. The following activities or projects to be financed under the CDBG-DR and CDBG-MIT programs have no significant impact on Puerto Coastal Resources and do not require Federal Consistency review:
  1. Energy and water efficiency improvements for single-family homeowners, as well as small and medium-sized businesses, to enhance resilience. These improvements include the installation of renewable energy systems, such as photovoltaic modules, metering equipment, batteries, mounting and anchoring systems, and electrical accessories needed to create a functional system on existing structures. This also includes PV systems with battery backup for critical loads and water storage systems on roofs or previously impacted areas.
  2. Provide support to entities throughout the Island to offer training in job skills related to the reconstruction and economic growth of Puerto Rico. Also, those skills that are necessary to situate the Island in the economy of the future.
  3. Granting awards of up to \$150,000 for working capital and movable equipment for small businesses and micro-enterprises that suffered physical and/or financial losses due to the Hurricanes. Start-ups created after the Hurricanes are also eligible if they can show their creation was the result of a closure of a previous business of same owner(s), after damage caused by the Hurricanes.
  4. Projects or activities that involve the rehabilitation or renovation of the interior of existing structures, including but not limited to single-family homes. This may encompass activities such as upgrading electrical and plumbing systems, repairing structural components, remodeling living spaces, and enhancing energy efficiency, all aimed at improving the functionality, safety, and sustainability of the property. Projects located within Historic Zones and Flood Zones are required to adhere to the provisions set forth in Sections E and F of this resolution, where applicable.
  5. Projects or activities that are exempt from construction permits under Act 161-2009, as amended, known as the "Puerto Rico Permit Process Reform Act" and Rule 3.2.4 (Activities Exempt from Construction Permits) including Sections 3.2.4.1, 3.2.4.2 and 3.2.4.3 of the "Joint

Regulation for Evaluation and Expedition of Permits Related to Development, Land Use and Business Operation” (Regulation Number 9473).

- B. Federal assistance awarded under the CDBG-DR and CDBG-MIT programs for demolition of structures with the purpose of restoring green areas, beaches, water retention areas and habitat recovery is consistent with the PRCZMP.
- C. Federal assistance provided under the CDBG-DR and CDBG-MIT programs for projects involving demolition and reconstruction, or the construction of new structures, is consistent with the PRCZMP. This includes projects such as single-family homes, multi-family residential buildings, commercial structures, and other types of construction aimed at rebuilding provided the project fulfill the following requirements:
  - 1- The project must comply with land use regulations established under the Puerto Rico Land Use Plan, Territorial Plans and special plans that apply according to the location of the project.
  - 2- The structure to be constructed or reconstructed must comply with applicable regulations and parameters established in the “Joint Regulation for Evaluation and Expedition of Permits Related to Development, Land Use and Business Operation” (Regulation Number 9473).
  - 3- Each project must provide evidence of compliance with the PR Environmental Policy Law (Law number 416 of September 22, 2004) by providing a copy of the Environmental Compliance Determination emitted by Puerto Rico Permit Management Office (OGPe) or providing documentation of compliance with the National Environmental Policy Act (NEPA)<sup>1</sup>.
  - 4- Each project must provide evidence of compliance with Puerto Rico State Historic Preservation Office (PR SHPO) or the Institute of Puerto Rican Culture (ICP).
- D. The Federal assistance awarded under the CDBG-DR and CDBG-MIT programs for infrastructure (according to the definition established by PR state Joint Regulation Number 9473)<sup>2</sup> projects are consistent with the PRCZMP with the condition that the applicant evidence compliance with the PR Environmental Policy Law (Law number 416 of September 22, 2004) by providing a copy of the Environmental Compliance Determination emitted by the PR Permit Management Office (OGPe) or providing documentation of compliance with the National Environmental Policy Act (NEPA).

<sup>1</sup> As outlined in the Administrative Order: OGPe 2025-002, issued on March 12, 2025.

<sup>2</sup> The Regulation Number 9473 defines infrastructure as “a set of works and services that are considered fundamental and necessary for the establishment and operation of an activity, such as communication systems, aqueduct, sewerage, electricity, telephone installations, and health, education, and recreation facilities. It also includes elements such as sheds for public transportation and other elements of urban furniture”.

- E. Any project or activity to be financed with CDBG-DR or CDBG-MIT funds (including the permit-exempt activities mentioned in Sections A, C and D of this resolution), if located within a Historic Zones or impacts a Historic Site designated by the PR Planning Board, must have the endorsement of the Puerto Rican Culture Institute (PRCI) or the State Historic Preservation Office (PR SHPO) according to the OGPe Administrative Order number 2025-002, dated March 12, 2025.
- F. The structure to be built, repaired or rehabilitated must preferably be located outside the flood plain and flood risk zones according to the “FEMA Advisory Base Flood Elevation Map” (FEMA Advisory Maps) effective on April 13, 2018, or the most recent FEMA map that applies according to the location of the project. Notwithstanding, in established communities and towns that are located within the flood plain, structures located within a flood hazard zone must evidence compliance with the Special Flood Hazard Zone Regulations (Planning Regulation Number 13) by submitting the following documents in the application package:
1. Comply with the requirements of Substantial Damage according to the “*Guía Operacional para las Determinaciones de Daños y Mejoras Sustanciales en Puerto Rico*” (Operational Guide for Substantial Damage Determinations in Puerto Rico).
  2. Copy of the FEMA Elevation Certificate (form ff-206-fy22-152) completed and signed by an engineer or surveyor.
- G. The Office of Geology and Hydrogeology (OGH) of the Puerto Rico Planning Board will provide a conditioned certification letter which will allow the applicant to have access to the funds to finance the design and permitting phase. This applies to the projects that meet the requirements outlined Sections C, D, E and F prior to the construction phase. The Puerto Rico Planning Board in its meeting of November 20, 2024, determined that the applicant must fulfill the mentioned requirements **180 days from receipt of the OGH Conditioned Certification letter**. If the applicant needs additional time to fulfill the required documents, it must be justified and requested referring to the assigned case number trough [comentariosjp.pr.gov](http://comentariosjp.pr.gov).
- H. For projects that meet all the requirements, the OGH will issue the Federal Consistency Certification directly, without the need for review by the Planning Board. Projects that fulfill applicable regulations and parameters established in the “Joint Regulation for Evaluation and Expedition of Permits Related to Development, Land Use and Business Operation” (Regulation Number 9473), PR Environmental Policy Law (Law number 416 of September 22, 2004) along with those specified in Sections E and F of this resolution, will not be required to obtain a conditional certification letter from OGH in order to proceed with the design, permitting, and construction phases.
- I. Furthermore, The PR Planning Board on February 1, 2023, issued Resolution JP-339 that covers Federal Emergency Management Agency’s (FEMA) Public Assistance Program (PA) and Hazard Mitigation Grant Program (HMGP). Therefore, federal assistance awarded through the “Infrastructure Coordination Program” to match the non-federal items that are required for projects under PA and

HMGP programs are covered by Resolution JP-339 and will not require to be submitted to the PRPB for federal consistency review.

- J. Hence, Projects for the reconstruction, repair, or rehabilitation of structures for water-dependent uses (piers, boat ramps etc.) are not covered under this Resolution and must be filed at the US Army Corps of Engineers through Regulatory Request System (RRS).

This General Federal Consistency Certification will be in effect for five (5) years from the notification date of this resolution. The Certification at reference will be renewed or amended if necessary to extend its validity or address other matters. The implementation of this resolution will be prospective as of the entry into force of this resolution.

The following parties shall be notified: William Rodríguez, Secretary, PR Department of Housing (PRDOH); Angel G. López, Permits and Environmental Compliance Division, PRDOH; Juan C. Pérez Bofill, PRDH; Aldo A. Rivera, PRDH; Jose A. Cedeño Maldonado, US Department of Housing and Urban Development (HUD), Donna M. Mahon, HUD and Magaly Massanet Rodríguez, Director, Puerto Rico Coastal Zone Management Program, DNER.

ADOPTED in San Juan, Puerto Rico on June 11, 2025.

Amended today, June 11, 2025.

  
Lcdo. Hector Morales Martinez  
President

SE INHIBE  
Lcdo. Luis Lamboy Torres  
Alternante Member

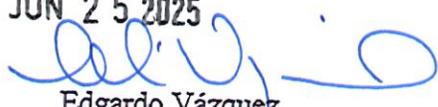
  
Plan. Rebecca Rivera Torres  
Alternate Member

  
Plan. Emanuel Gomez  
Alternate Member

**Certify:** That this Resolution is a copy of the agreement adopted by Puerto Rico Planning Board in its meeting of, June 11, 2025. I expedite and notify this copy to the parties under my sign and official stamp of the Puerto Rico Planning Board stamp, for general use and knowledge.

In San Juan, Puerto Rico, today,

JUN 25 2025

  
Edgardo Vázquez  
Secretary