

# **Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58**

## **Project Information**

**Project ID:** PR-RGRW-01802

**Project Name:** YOKSAN CLASS SANCHEZ

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

**Grant Recipient** (if different than Responsible Entity): Same as above

**State/Local Identifier:** Puerto Rico / Manatí, PR

**Preparer:** Patricia Carmenatty

**Certifying Officer Name and Title:** Permit and Environmental Compliance Officers:  
Pedro de León Rodriguez.

**Consultant:** Behar Ybarra & Associates LLC

**Direct Comments to:** Puerto Rico Department of Housing:  
([environmentcdbg@vivienda.pr.gov](mailto:environmentcdbg@vivienda.pr.gov))

### **Project Location:**

Carr 6685 km6 h7, Barrio Rio Arriba Saliente, Manatí, PR 00674

Priefert chute location: latitude 18.378011 longitude -66.48424

Water well latitude: latitude 18.377637 longitude -66.484181

Fence location: latitude 18.378012 longitude -66.484335

Parcel cadastral # 080-093-600-28

### **Description of the Proposed Project** [24 CFR 58.32; 40 CFR 1508.25]:

The proposed activities for PR-RGRW-01802 consist of installing/constructing a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials. The fence will be anchored to the ground with wooden posts so it will require ground disturbance. Each post will be driven approximately 2' below the ground surface to

ensure the fence is secure. The fence will be installed to keep livestock in specific areas. The installation of the water well and Priefert chute also require ground disturbance. The 6" water well will also be installed following the standards and regulations of the Puerto Rico Department of Natural and Environmental Resources (DNER). The power source to run the water pump will be provided by an existing intake from P.R.E.P.A/LUMA on the property. The water needed will be provided by an existing PRASA intake on the property and from a near stream. All water pipes will be above ground. The Priefert chute will be anchored on the concrete floor that already exists. The project area is located at PR-6685 km. 6.7 within the Municipality of Manatí. Based on a review of historical aerial imagery, the general area of the fencing location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area) and it remains predominantly agricultural through to the present day.

The Area of Potential Effect (APE) has been defined as the area potentially impacted by ground disturbing activities related to the installation of the new fence, water well and Priefert chute. 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 location of the Priefert chute, new fence, and water well plus a 15-meter buffer and the visual APE is the viewshed of the proposed project.

A site Map is included in Figure 1, illustrating the location of the fence, water well and Priefert chute on the property. Photos of the location are included in the Section 106 documentation, Appendix 1. Refer to Appendix 3 for Site Inspection Report.

**Statement of Purpose and Need for the Proposal** [40 CFR 1508.9(b)]: The Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) will increase agricultural capacity while promoting and increasing food security island wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities. This agricultural project associated with the installing/constructing a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials is in keeping with the overall objectives of the Economic Development Program.

**Existing Conditions and Trends** [24 CFR 58.40(a)]:

The existing area for which the proposed fence will be installed has a steep topography. The vegetation consists mostly of grasses, bushes and trees. The area where the Priefert chute and water well will be placed has a flat topography and the surface is covered with grass and shrubs. Therefore, there is little to no change in land use associated with these placements.

## Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-72-0001 B-17-DP-72-0001 B-19-DP-78-0002 B-18-DE-72-0001	Community Planning and Development (CPD) / Community Development Block Grant - Disaster Recovery (CDBG-DR)	\$11,938,162,230.00

**Estimated Total HUD Funded Amount:** \$100,000.00

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$100,000.00.

## Compliance with 24 CFR 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 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials will have no impact on any Airports. The site is located 136,536 feet from the nearest major civil airport (Fernando Luis Ribas Dominicci Airport in San Juan) and 168,864 feet from the nearest military airport (Luis Muñoz Marín International Airport in San Juan). This

		topic is in compliance with the HUD's Airport Hazard regulations without further evaluation. See the attached Airport map Runway Protection Zone, Figure 2.
<p><b>Coastal Barrier Resources</b></p> <p>Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project is not located in a CBRS Unit. The project is located 29,429 feet southwest of the nearest Coastal Barrier Resource System, PR-83. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. See the attached CBRS map, Figure 3.</p>
<p><b>Flood Insurance</b></p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located in a Zone X, Panel 72000C0290J, 11/18/2009 on the FEMA FIRM. The project does not require flood insurance or is excepted from flood insurance. See attached Flood Map, Figure 4 and 4.1.</p>
<p><b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</b></p>		
<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>This project consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials for an agricultural site and is not located in a nonattainment municipality of Puerto Rico (Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, Toa Baja). The installation and operation of this project will have no impact and is in compliance with the Clean Air Act without further evaluation. See attached published list of Puerto Rico Nonattainment/Maintenance Status for each county by year for all criteria pollutants in Appendix 2.</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 25,536 feet from the nearest Coastal Zone Management Area and does not affect a Coastal Zone as defined in the state Coastal management Plan. The project is in compliance with the Coastal Zone Management Act. See the attached CZMA map, Figure 5.</p>
<p><b>Contamination and Toxic Substances</b></p> <p>24 CFR Part 58.5(i)(2)</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>This project consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials for an agricultural project. On-site or nearby toxic, hazardous, or radioactive substances that could affect the health and safety of project occupants or conflict with the intended use of the property were not found.</p> <p>There are two sites of environmental concern identified within 3,000 feet near of the three locations of the proposed fence.</p> <ul style="list-style-type: none"> <li>• EPA Facility Interests NPDES (Water Discharges) 110069609203 Betterroads Corporation – Manatí – 2,564 ft. Address: PR-6685 KM. 6.0, Manati, PR 00674. Coordinates: 18.381100, -66.490242.</li> <li>• EPA Facility Interests NPDES (Water Discharges) 110071077404 Puerto Rico Asphalt, LLC – Manati – 2,251 ft. Address: PR-6685 KM. 6.0 Arriba Saliente Ward, Manatí, PR 00674. Coordinates: 18.380071, -66.48981.</li> </ul> <p>Based on EPA Enforcement and Compliance History Online (EPA ECHO), Puerto Rico Asphalt, LLC (110071077404) and Betterroads Corporation (110069609203) has its permits</p>

		<p>terminated, therefore, do not present any threat to the project. See Appendix 3.</p> <p>The project is in compliance with contamination and toxic substances requirements. See attached Toxics Map, Figure 6.</p>
<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>The project could involve any activity that has an adverse effect on protected species or critical habitats. After reviewing data from the United States Fish and Wildlife Service (USFWS) Information and Planning Consultation (IPaC) and the Puerto Rico Department of Natural and Environmental Resources (DNER) database, the PR boa (<i>Chilabothrus inornatus</i>), Palo De Ramón (<i>Banara vanderbiltii</i>) and PR Harlequin Butterfly (<i>Atlantea tulita</i>) could be found in the project area. The scope of work includes continued agricultural use of the property with no intention of cutting down trees or altering the general area where the fence, water well and Priefert chute will be installed. The fence and water well will be around a space that has been cleared and maintained that way for agricultural purposes.</p> <p>Based on the nature of the project, scope of work, information available, and analysis of the IPaC lists together with field direct observations of the area where the project will be developed, the proponent has determined that the proposed project may affect, but is not likely to adversely affect (NLAA) the Puerto Rican harlequin butterfly since its critical habitat is approximately 22,436 feet from the proposed project site. Since the land is currently used for agricultural purposes, the proponent has determined that the proposed project actions will have "No Effect" (NE) on PR boa and</p>

		<p>palo de ramón. Therefore, the project has no critical habitats in the area. For conservation measures guideline for Harlequin butterfly see USFWS Determination Letter in Appendix 4.</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 for them to relocate the Boa. As established by the USFWS Puerto Rican Boa Conservation Measures Guideline.</p> <p><a href="https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf">https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf</a></p> <p>This project is in compliance with the Endangered Species Act. See attached USFWS Determination Letter and Consultation Package in Appendix 4. See attached Endangered Species map, Figure 7.</p>
<p><b>Explosive and Flammable Hazards</b></p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials and does not include development, construction or rehabilitation that will increase residential density. This project is in compliance with Explosive and Flammable hazards without further evaluation.</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</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project does not include any activities that could potentially convert agricultural land to non-agricultural use. The project activities will occur in farmlands of statewide importance. The scope of work includes the installation</p>

		and construction of a water well and a fence and the installation of a Priefert chute, and this is a construction limited to on-farm structures needed for farm operations. The project is in compliance with the Farmland Protection Policy Act. See the attached Farmlands map, Figure 8.
<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>The project is located in a Zone X, Panel 72000C0290J, 11/18/2009 (Figure 4). The site is not located in a Preliminary Firm or an Advisory Base Flood Elevation special flood hazard area. The project is in compliance with Executive Order 11988. See attached Flood Map (Figure 9).</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 type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The site was visited on September 17, 2023, by SOI-qualified archaeologist. Based on this definition and the nature and scope of the undertaking, the APE has been defined as the area potentially affected by ground-disturbing activities related to installation of the water well, fence and Priefert chute. Documentation with photographs and maps was subsequently submitted to SHPO (attached Appendix 1). In a response from PR SHPO dated October 2, 2023, SHPO concurred with a finding of <b>No Historic Properties Affected</b> within the project's Area of Potential Effects (see attached Appendix 1). The property is not considered historic or contributing to an historic district (See attached Historic map, Figure 10). Therefore, this activity is in compliance with Historic Preservation.</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 consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials for an agricultural site. The</p>

		<p>project does not include new construction for residential use or rehabilitation of an existing residential property. The site is rural in nature 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><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>There are no EPA sole source aquifers in Puerto Rico. The project is in compliance with Sole Source aquifers without further evaluation.</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>In the northeast part of where the new fence will be built there is an unnamed creek. The applicant was notified, and he will build the fence about 15 feet away from the creek. This is a seasonal creek, which may only have water at certain times of the year when smaller upstream waters are flowing and when groundwater provides enough water for stream flow. For the installation of the fence the only ground disturbance will be anchored to the ground wooden posts approximately 2' below the ground surface, and this will be outside of any creek near the project area. However, standard BMPs should be applied to mitigate impact on wetlands, like installing erosion controls or diverting runoff (in any) around the areas of ground disturbance. Therefore, the wetland will not be affected by the project. The project is in compliance with Executive Order 11990. See the attached Wetlands map, Figure 11.</p>

<p><b>Wild and Scenic Rivers</b></p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>This project is not within proximity of the NWSRS river. The project is located 242,403 feet from the nearest Wild and Scenic River. The project is in compliance with the Wild and Scenic Rivers Act. See Map, Figure 12.</p>
<p><b>ENVIRONMENTAL JUSTICE</b></p>		
<p><b>Environmental Justice</b></p> <p>Executive Order 12898</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>Based on the scope of work for this project, there will be no additional impact on low-income or minority residents. This proposed activity will not have a negative impact on Environmental Justice. Therefore, the proposed activity complies with this section.</p>

**Environmental Assessment Factors** [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

**Impact Codes:** Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>LAND DEVELOPMENT</b>		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The proposed action is continued agricultural use of property which is compatible with a zoning code of A-G (General Agricultural) and existing land use of SREP-A (Specially Protected Rustic Land-Agricultural). There is no urban design associated with this rural, agricultural site.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The soil is currently being used for agriculture purposes. There is no change in land use since the land will continue to be used to agriculture purposes. In the project area the soil has been classified as Naranjo clay, 5 to 20 percent slopes (NaD). This soil is deep, sloping to moderately steep, and well drained. It is on the foot slopes and side slopes of limestone hills. The permeability of this Naranjo soil is moderate, and the available water capacity is high. Runoff is medium. The landslide data indicates low to moderate landslide susceptibility; therefore, no erosion is expected to occur from this project. The project will not affect the drainage in the area. There will be little to no additional runoff associated with the project. See Landslide Susceptibility Map, Figure 13.
Hazards and Nuisances including Site Safety and Noise	2	There are no specific environmental hazards that have been identified for this site. The site is not in a high Noise Level area, nor will the project generate any additional noise. Additionally, the project does not include housing or such to where inhabitants would be affected.
Energy Consumption	2	The project consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials on an existing agricultural farm and will not require any expansion to existing power facilities. The power source to run the water pump in the well will be provided by an existing intake from P.R.E.P.A/LUMA on the property.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>SOCIOECONOMIC</b>		
Employment and Income Patterns	2	The project will result in short-term benefit to employment when contractors are hired for the construction of the new fence and water well. After construction, there may be a net positive benefit for the farm, a small business receiving this funding for economic development recovery purposes, which will aid in the continued operations of the intended use of the farm which products will be used by Puerto Rico population. The project is not anticipated to have a significant impact on Employment and Income Patterns, however, the project may help restore employment opportunities and income patterns.
Demographic Character Changes, Displacement	2	The proposed project will not alter the demographic characteristics of Manatí, PR. The applicant is already located at this location and the project will provide opportunities for the continuous agricultural growth of the business.
Environmental Justice	2	<p>In the project area within a one-mile radius:</p> <ul style="list-style-type: none"> <li>• The people of color are 98% compared to PR average of 96%</li> <li>• 73 % of the people are low income compared to PR average of 70%</li> <li>• 15% of the people are unemployed compared to PR average of 15%</li> </ul> <p>The proposed activities of the installation of the fence, water well and Priefert chute will have a positive impact on creating jobs for local people. Therefore, the proposed activity complies with this section. See EJSscreen Report in Appendix 3.</p>

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>COMMUNITY FACILITIES AND SERVICES</b>		

Educational and Cultural Facilities	2	The project consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials for an agricultural site and will have no impact on educational and cultural facilities.
Commercial Facilities	2	The proposed project may aid in restoring the demand for local commercial services; however, not to the point of putting undue pressure on commercial facilities.
Health Care and Social Services	2	The project consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials for an agricultural site and will have no impact on Health Care and Social Services.
Solid Waste Disposal / Recycling	2	The proposed project will have no impact on Solid Waste Disposal / Recycling services. The products and by-products are agricultural, and any waste would be biodegradable. The remaining construction solid waste materials would be collected for transport to the local landfill.
Wastewater / Sanitary Sewers	2	The installation and construction of the new fence and water well will not produce any wastewater. Based on the scope of work is not expected to result in significant changes in wastewater or sanitary sewer generation. The proposed project will have no impact on Wastewater / Sanitary Sewers.
Water Supply	2	The proposed project will not require an additional water supply. No new connections will be provided for municipal potable water. A permit from the Puerto Rico Department of Natural and Environmental Resources (DNER) is required to be obtained for the water well. The water needed will be provided by an existing PRASA intake on the property and from a nearby stream. All water pipes will be above ground. The proposed project will have no impact on the water supply.
Public Safety - Police, Fire and	2	The project consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and

Emergency Medical		fence materials for an agricultural site and will have no impact on Public Safety.
Parks, Open Space and Recreation	2	The proposed project will have no impact to Parks, Open Space and Recreation. The property being used is agricultural and it will continue as agricultural use.
Transportation and Accessibility	2	The project consists of the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials for an agricultural site and will have no impact on transportation and accessibility.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>NATURAL FEATURES</b>		
Unique Natural Features, Water Resources	2	In the northeast part of the project, the fence will be built about 15 feet away from where an unnamed creek is located. For the installation of the fence the only ground disturbance will be anchored to the ground wooden posts approximately 2' below the ground surface, and this will be outside of any creek near the project area. However, standard BMPs should be applied to mitigate impact on wetlands, like installing erosion controls or diverting runoff (in any) around the areas of ground disturbance. The proposed project will be situated on previous agriculture property and will have no impact on unique natural features or water resources.
Vegetation, Wildlife	2	The proposed project will occur on land previously used for agricultural purposes and will continue in that capacity. There may be wildlife attracted to the new fence or water well but no negative impact on wildlife.
Climate Change	2	The Re-Grow Program proposed project aims to increase resiliency in the agricultural industry to prepare for future climate related disasters. The project will not contribute to climate change and will provide a minor net benefit by allowing for increased

		food production. On the other hand, a drought could affect agricultural activities related to the project.
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**Additional Studies Performed:** Not applicable.

**Field Inspection** (Date and completed by): September 17, 2023, Jaqueline Lopez, SOI- Qualified Archaeologist

**List of Sources, Agencies and Persons Consulted** [40 CFR 1508.9(b)]:

FAA, National Plan for Integrated Airport Systems:

[www.faa.gov/airports/planning\\_capacity/npas/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf](http://www.faa.gov/airports/planning_capacity/npas/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf)

John H. Chafee Coastal Barrier Resources System, Puerto Rico map.

[www.fws.gov/CBRA/Maps/Locator/PR.pdf](http://www.fws.gov/CBRA/Maps/Locator/PR.pdf)

National Park Service, National Registry of Natural Landmarks.

[www.nature.nps.gov/nnl/docs/NNLRegistry.pdf](http://www.nature.nps.gov/nnl/docs/NNLRegistry.pdf)

US Fish and Wildlife Service, Wild and Scenic Rivers – correspondence to Agency on October 16, 2018

National Wild and Scenic Rivers System: [www.rivers.gov/puerto-rico.php](http://www.rivers.gov/puerto-rico.php)

Puerto Rico Community Development Block Grant Disaster Recovery Action Plan, July 2018. [www.cdbg-dr.pr.gov/en/action-plan/](http://www.cdbg-dr.pr.gov/en/action-plan/)

Programmatic Agreement among the Federal Emergency Management Agency, the Puerto Rico State Historic Preservation Office and the Central Office for Recovery, Reconstruction and Resilience – amended to include the Puerto Rico Department of Housing.

Sierra Research for Office of Mobile Sources. US Environmental Protection Agency. Report No. SR93-03-02, Evaluation of Methodologies to Estimate Nonroad Mobile Source Usage, March 19, 1993: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=9100UR51.txt>

US Environmental Protection Agency, National Ambient Air Quality Standards, Nonattainment Areas for Criteria Pollutants (Green Book):

[www3.epa.gov/airquality/greenbook/anayo\\_pr.html](http://www3.epa.gov/airquality/greenbook/anayo_pr.html)

US EPA, Environmental Topics, Air Topics: [www.epa.gov/environmental-topics/air-topics](http://www.epa.gov/environmental-topics/air-topics)

US Fish and Wildlife Service, Environmental Conservation Online System:

<https://ecos.fws.gov/ecp0/reports/species-listed-by-state-report?state=PR&status=listed>

Federal Emergency Management Agency, Flood Mapping Service:

<https://msc.fema.gov/portal/home> (compilation of numerous maps)

Puerto Rico Planning Board, Communication regarding Floodplain Management, November 29, 2018.

US Fish and Wildlife Service, National Wetlands Inventory:  
[www.fws.gov/wetlands/data/mapper.html](http://www.fws.gov/wetlands/data/mapper.html) (compilation of numerous maps)

US Army Corps of Engineers, Jacksonville District, Antilles Section, Communication regarding Wetlands Management, November 13, 2018.

Puerto Rico Coastal Zone Management Program Plan, September 2009.

Puerto Rico Planning Board, Communication regarding Coastal Zone Management, November 16, 2018 (No response).

US EPA, Sole Source Aquifers. Esri HERE, Garmin, NOAA, USGS, EPA.

US Fish and Wildlife Service, Caribbean Ecological Services Field Office. E-mail communication regarding October 23, 2018 letter on Threatened and Endangered Species and Critical Habitats.

NOAA Fisheries / National Marine Fisheries Service, NEPA Coordinator Southeast Regional Office. Communication on October 16, 2018 regarding designated critical habitat. (No response).

US Geological Survey, Data Release of May Showing Concentration of Landslides Caused by Hurricane Maria, <https://doi:10.5066/F7JD4VRF>

**List of Permits Obtained:** None required.

**Public Outreach** [24 CFR 58.43]: Puerto Rico Department of Agriculture has worked closely with the agricultural community. This project will include a FONSI/NOI-RROF in compliance with NEPA regulations for HUD.

**Cumulative Impact Analysis** [24 CFR 58.32]: In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials for an agricultural site.

**Alternatives** [24 CFR 58.40(e); 40 CFR 1508.9]

The Regrow Program purpose is to enhance and expand agricultural production related to economic revitalization and sustainable development activities while promoting and increasing food security island wide. The "Alternative" action would mean that the applicant would consider other locations for the new fence and the water well. However, other locations may result in tree clearing prior to construction and/or need to fill in some

steep area. Any option that requires going off-site would not contribute to the improvement and growth of agricultural production or enable economic development for this applicant.

**No Action Alternative** [24 CFR 58.40(e)]:

The 'No-Action' alternative would mean that the applicant would not receive federal funding to provide the installing/constructing of a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials for an agricultural site which would inhibit the economic growth opportunity that the applicant would not otherwise have under the PRDOH Re-Grow Puerto Rico program. As a result, these owners may not be able to experience the growth needed to recover and expand their agriculture activities. A provision of the grant allows for economic development for businesses. The No-Action alternative would not allow for the economic development for this applicant.

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

**Mitigation Measures and Conditions [40 CFR 1505.2(c)]**

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
The regulation in Puerto Rico establishes that for well constructions a Water Well or Water Intake Construction Permit must be submitted.	The Applicant must obtain a permit from the DNER prior the well construction.
Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.)	Refer to Appendix 4 for the conservation measures for the PR harlequin butterfly.

Wetlands Protection (Executive Order 11990, particularly sections 2 and 5)	Standard BMPs should be applied to mitigate impact on wetlands.

**Determination:**

**Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]

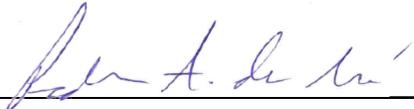
The project will not result in a significant impact on the quality of the human environment.

**Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]

The project may significantly affect the quality of the human environment.

Preparer Signature:  Date: 12/1/2023

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

Certifying Officer Signature:  Date: 3/14/2024

Name/Title: Pedro A. de León Rodríguez, MSEM/Permits and Environmental Compliance 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).

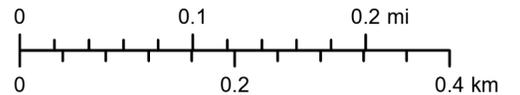
## **Figures**

Figure 1  
**Location: Aerial Map**  
Puerto Rico Department of Housing ReGrow



**Legend**

-  PR-RGRW-01802
-  PR-RGRW-01802 Fencing
-  PR-RGRW-01802 Parcel
-  CRIM Parcels



Service Layer Credits: World Imagery: Maxar  
Google Satellite: © OpenStreetMap (and) contributors,  
CC-BY-SA  
World Street Map: Esri, HERE, Garmin, NGA, USGS  
and Google Earth



**Source**

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

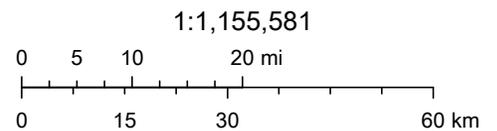
# Figure 2 PR-RGRW-01802 Airports

**Application ID: PR-RGRW-01802**  
 YOKSAN CLASS SANCHEZ  
 Carr 6685 KM 6 H7  
 BARRIO RIO ARRIBA SALIENTE  
 MANATI, PR 00674  
 Catastro: 080-093-600-28  
 Lat: 18.377637, Lon: -66.484181



9/6/2023, 10:50:11 AM

- |                         |  |                       |
|-------------------------|--|-----------------------|
| Accident Potential Zone |  | USA Military Airports |
|                         |  | USA Civil Airports    |
|                         |  | PR-RGRW-01802         |
|                         |  |                       |



Runway Protection Zones  
 Major Civil and Military Airports

**Source**  
 Federal Aviation Administration (FAA)  
<https://adds-faa.opendata.arcgis.com/>

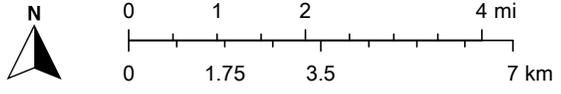
**Application ID: PR-RGRW-01802**  
YOKSAN CLASS SANCHEZ  
Carr 6685 KM 6 H7  
BARRIO RIO ARRIBA SALIENTE  
MANATI, PR 00674  
Catastro: 080-093-600-28  
Lat: 18.377637, Lon: -66.484181



9/6/2023, 11:05:52 AM

1:144,448

- CBRS Map Panels
  - PR-RGRW-01802
- CBRS Units
- Otherwise Protected Area
  - System Unit



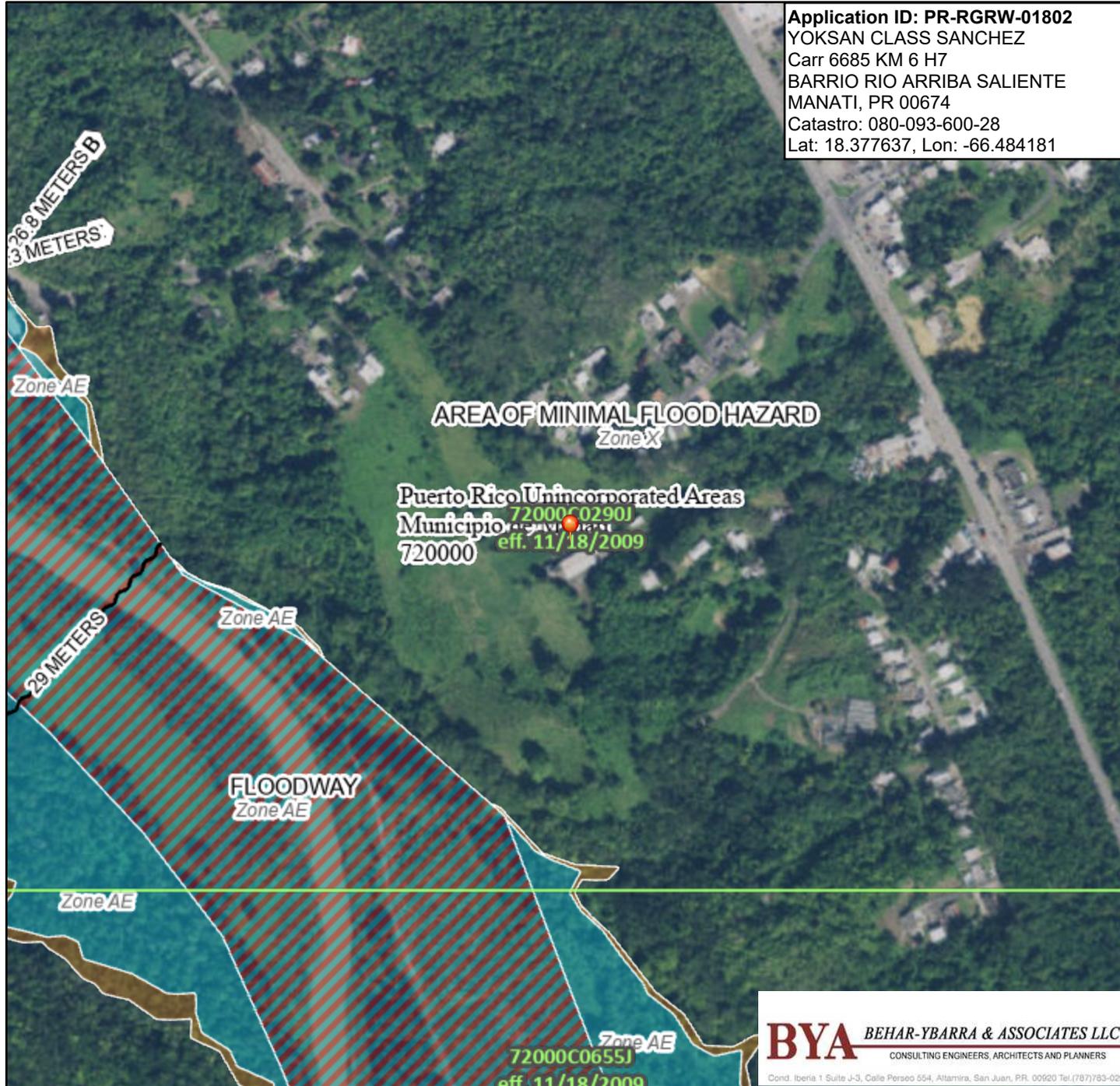
**Source**  
U.S. Fish and Wildlife Service (FWS):  
<https://www.fws.gov/program/coastal-barrier-resources-act>

# National Flood Hazard Layer FIRMette

Figure 4



66°29'22"W 18°22'58"N



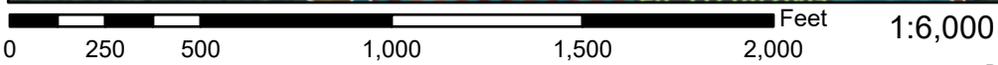
**Application ID: PR-RGRW-01802**  
**YOKSAN CLASS SANCHEZ**  
 Carr 6685 KM 6 H7  
 BARRIO RIO ARRIBA SALIENTE  
 MANATI, PR 00674  
 Catastro: 080-093-600-28  
 Lat: 18.377637, Lon: -66.484181

26.8 METERS B  
 23 METERS

29 METERS

**Puerto Rico Unincorporated Areas**  
**Municipio 72000**  
 72000C02901  
 eff. 11/18/2009

72000C0655J  
 eff. 11/18/2009



**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
 CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
 Cond. Iberia 1 Suite J-3, Calle Perseo 554, Altamira, San Juan, PR. 00920 Tel: (787) 753-0290

### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

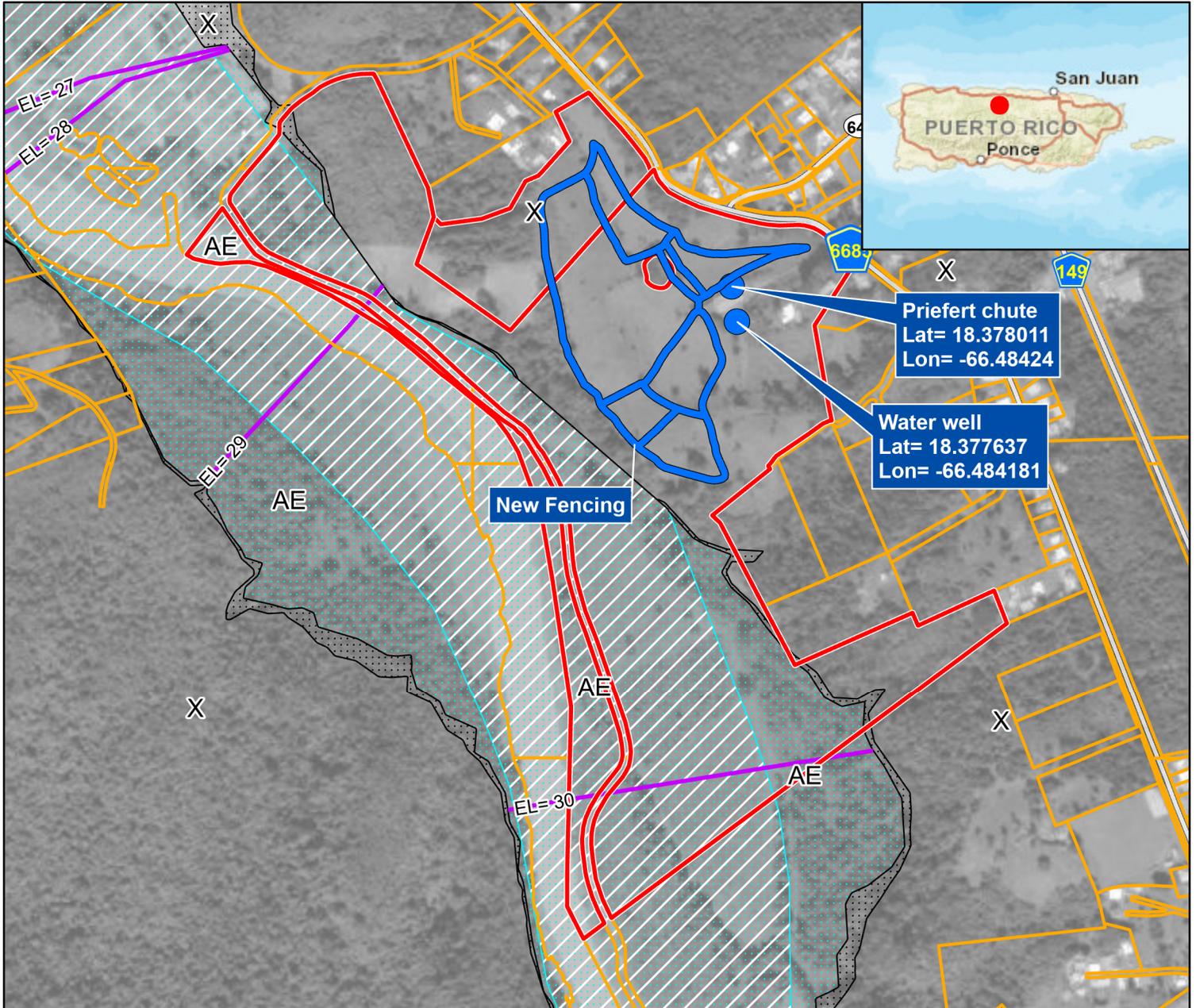
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/6/2023 at 11:25 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Figure 4.1

# FEMA Flood Insurance Rate Map (FIRM)

## Puerto Rico Department of Housing ReGrow



**Legend**

- PR-RGRW-01802
  - PR-RGRW-01802 Fencing
  - PR-RGRW-01802 Parcel
  - CRIM Parcels
  - Base Flood Elevation
- Flood Hazard Areas**
- Zone A Area with a 1% annual chance of flooding. No base flood elevations determined.

- Zone AE Areas with a 1% annual chance of flooding. Base flood elevations (BFE) determined
- Zone AE Floodway area in Zone AE
- Zone X Area with a 0.2% annual chance of flooding.
- Zone X Areas determined to be outside the 0.2% annual chance flood.



Service Layer Credits: World Imagery: Maxar  
 World Street Map: Esri, HERE, Garmin, NGA, USGS  
 and Google Earth

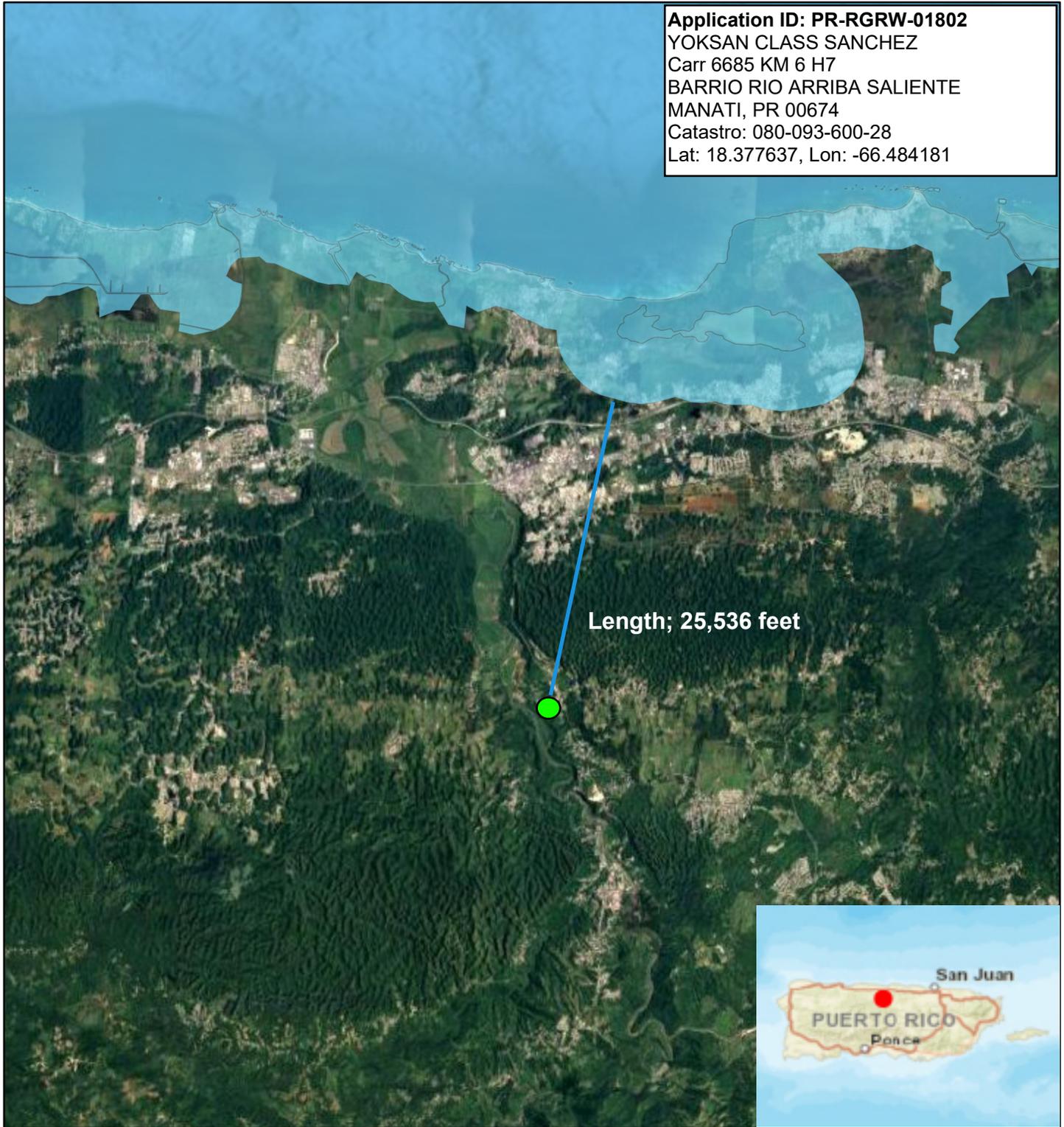


**Source**

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

Figure 5

# PR-RGRW-01802 CZM



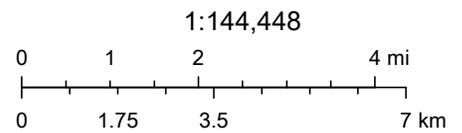
**Application ID: PR-RGRW-01802**  
YOKSAN CLASS SANCHEZ  
Carr 6685 KM 6 H7  
BARRIO RIO ARRIBA SALIENTE  
MANATI, PR 00674  
Catastro: 080-093-600-28  
Lat: 18.377637, Lon: -66.484181

Length; 25,536 feet

9/6/2023, 11:26:25 AM

 Coastal Zone Management

 PR-RGRW-01802



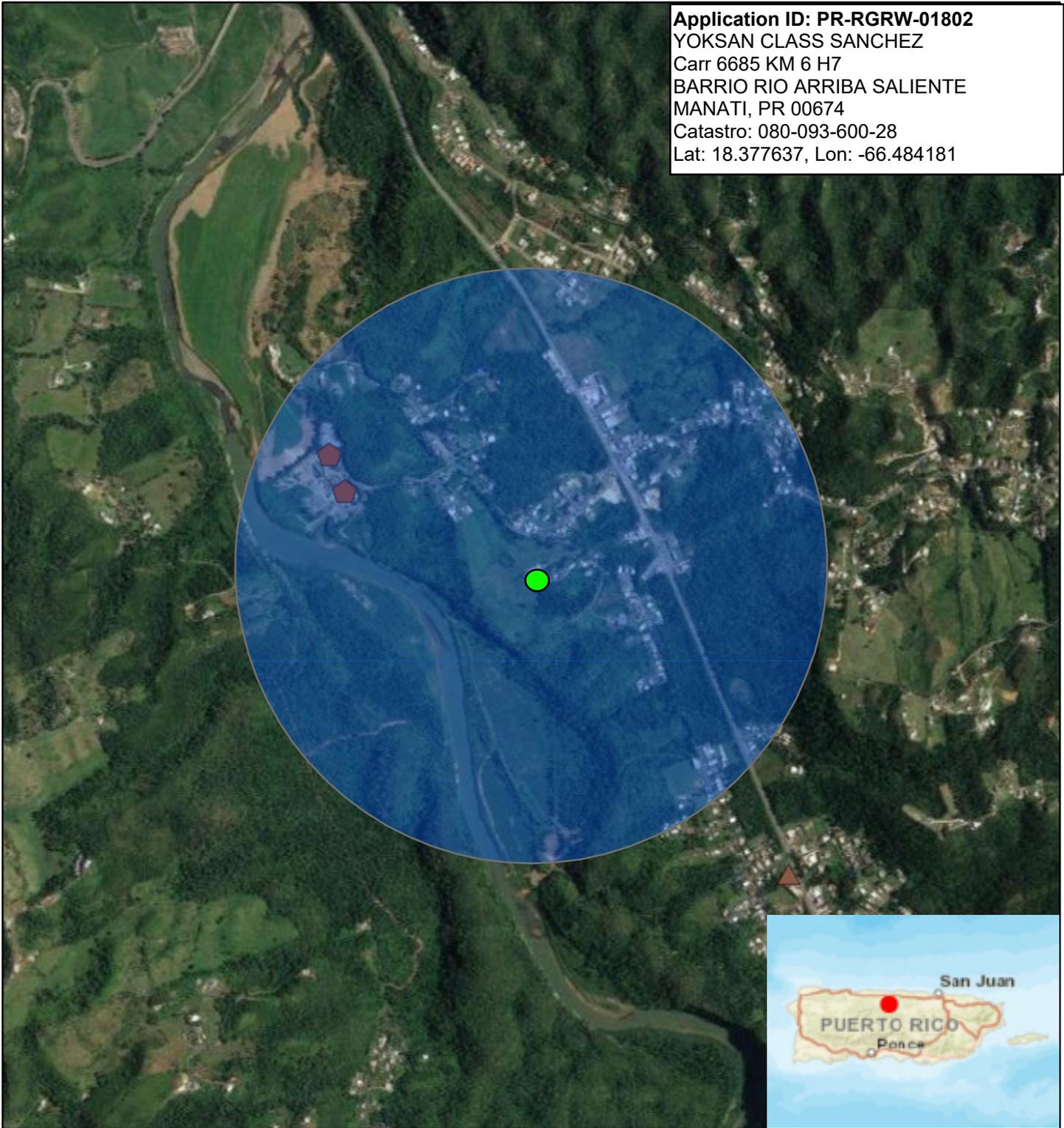
**Source**

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

# Figure 6 PR-RGRW-01802 Toxic

Cond. Iberia 1 Suite J-3, Calle Perseo 554, Altamira, San Juan, PR, 00920 Tel.(787)783-0290

**Application ID: PR-RGRW-01802**  
YOKSAN CLASS SANCHEZ  
Carr 6685 KM 6 H7  
BARRIO RIO ARRIBA SALIENTE  
MANATI, PR 00674  
Catastro: 080-093-600-28  
Lat: 18.377637, Lon: -66.484181



10/23/2023, 4:00:40 PM

 Buffer\_of\_01802\_3000ft

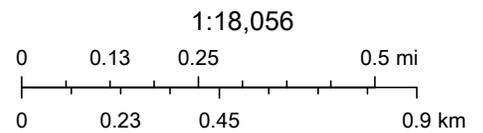
 AIR

 ICIS

 NPDES

 RCRA INACTIVE

 PR-RGRW-01802



**Source**

U.S. Environmental Protection Agency (EPA)  
Facility Registry Service (FRS)  
<https://www.epa.gov/frs>

Figure 7

# PR-RGRW-01802 Endangered Species

**Application ID: PR-RGRW-01802**  
YOKSAN CLASS SANCHEZ  
Carr 6685 KM 6 H7  
BARRIO RIO ARRIBA SALIENTE  
MANATI, PR 00674  
Catastro: 080-093-600-28  
Lat: 18.377637, Lon: -66.484181

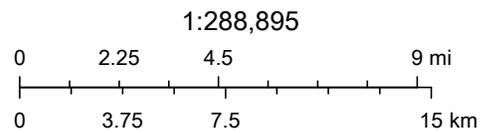


Length: 22,436 feet

9/6/2023, 11:42:51 AM

 USFWS Critical Habitat - Final

 PR-RGRW-01802

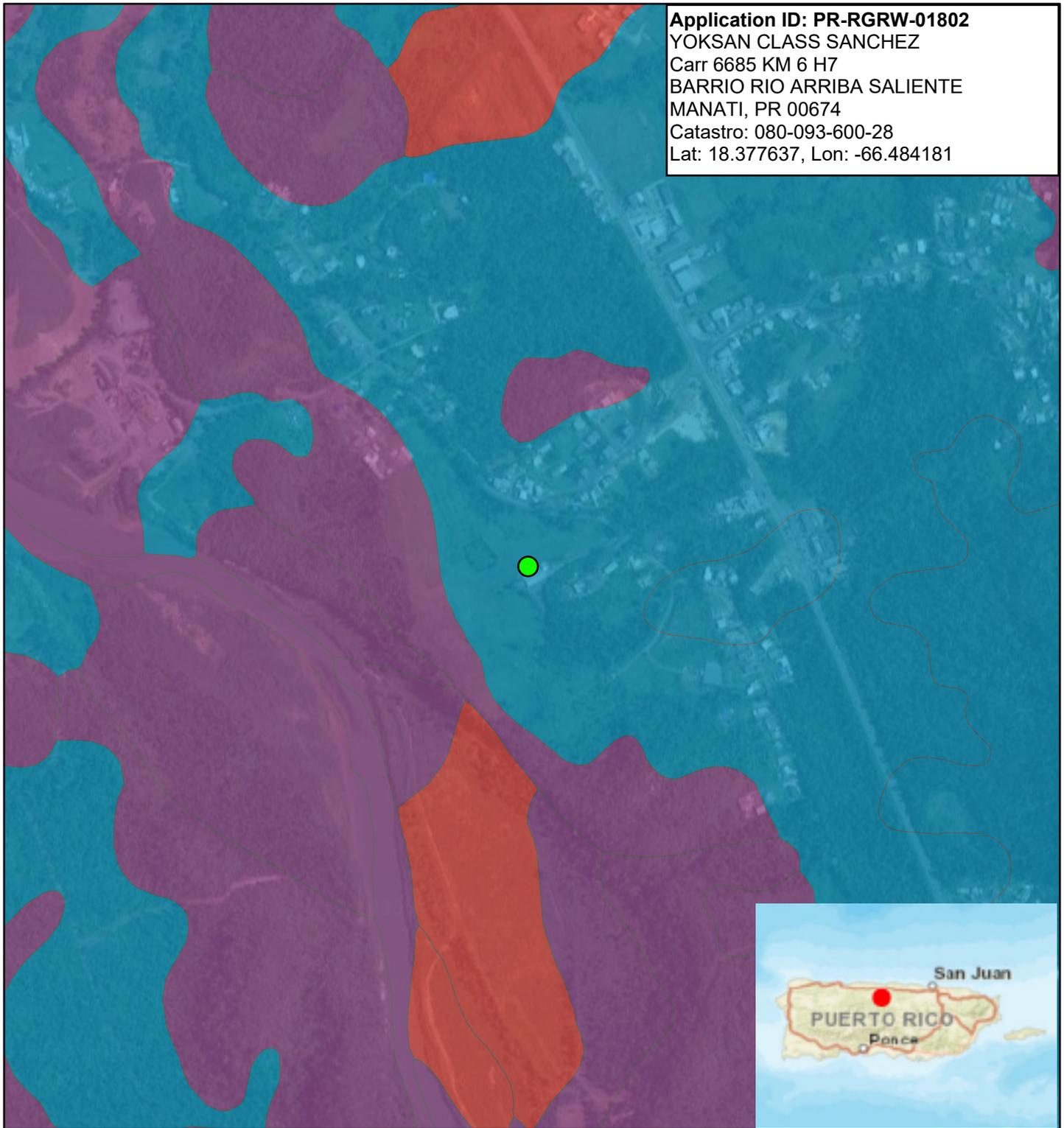


**Source**

National Oceanic and Atmospheric Administration (NOAA)  
Office of Response and Restoration  
<https://response.restoration.noaa.gov/>

Figure 8

PR-RGRW-01802 Farmland

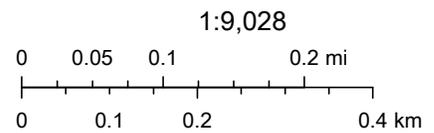


**Application ID: PR-RGRW-01802**  
 YOKSAN CLASS SANCHEZ  
 Carr 6685 KM 6 H7  
 BARRIO RIO ARRIBA SALIENTE  
 MANATI, PR 00674  
 Catastro: 080-093-600-28  
 Lat: 18.377637, Lon: -66.484181

9/6/2023, 11:47:49 AM

**Farmland Protection**

- All areas are prime farmland
- Farmland of statewide importance
- Not prime farmland
- PR-RGRW-01802



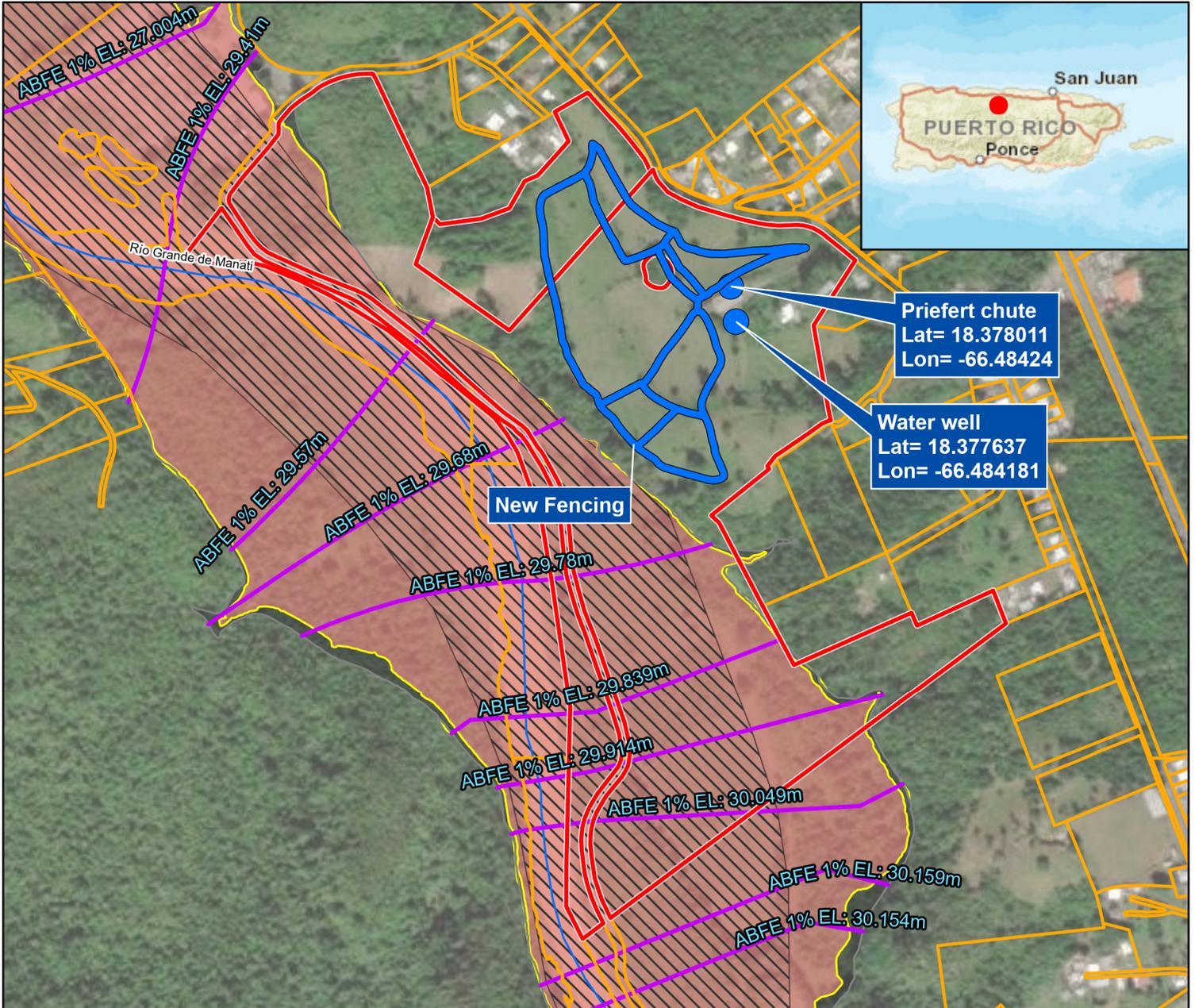
**Source**

Natural Resources Conservation Service (NRCS)  
 Gridded Soil Survey Geographic Database (gSSURGO)  
<https://data.nal.usda.gov/dataset/soil-survey-geographic-database-ssurgo>

Figure 9

# Advisory Base Flood Elevation (ABFE)

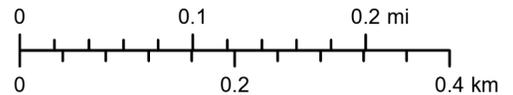
## Puerto Rico Department of Housing ReGrow



**Legend**

- PR-RGRW-01802
- ▬ PR-RGRW-01802 Fencing
- PR-RGRW-01802 Parcel
- CRIM Parcels
- ▬ Advisory Base Flood Elevations (ABFE)
- ▬ Hydrography
- 0.2-percent annual chance flood
- 1-percent annual chance flood

- Flood Zone**
- A
  - AE
  - Coastal A
  - AO
  - VE
  - 0.2% Annual Chance Flood
  - Floodway



Service Layer Credits: World Imagery: Maxar  
 World Street Map: Esri, HERE, Garmin, NGA, USGS  
 and Google Earth

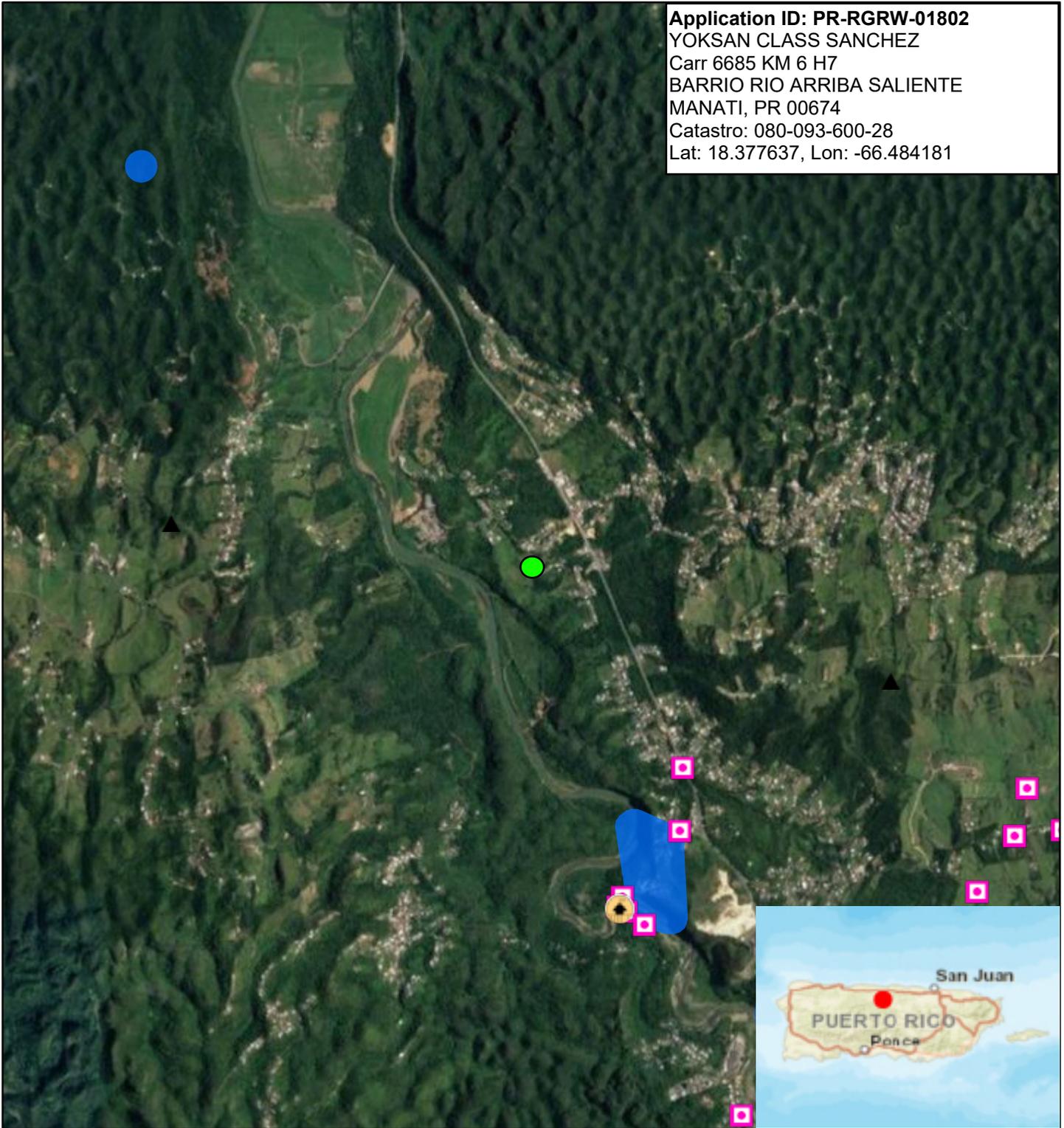


**Source**

Puerto Rico Planning Board (PRPB)  
<https://jp.pr.gov/>

# Figure 10 PR-RGRW-01802 Historic Preservation

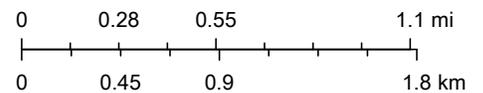
**Application ID: PR-RGRW-01802**  
**YOKSAN CLASS SANCHEZ**  
 Carr 6685 KM 6 H7  
 BARRIO RIO ARRIBA SALIENTE  
 MANATI, PR 00674  
 Catastro: 080-093-600-28  
 Lat: 18.377637, Lon: -66.484181



9/6/2023, 11:55:34 AM

1:36,112

-  Cultural\_Resources - Historic Places JP
-  Cultural\_Resources - Scenic Places
-  Cultural\_Resources - Cultural Value Places
-  Cultural\_Resources - Archeological Resources
-  PR-RGRW-01802



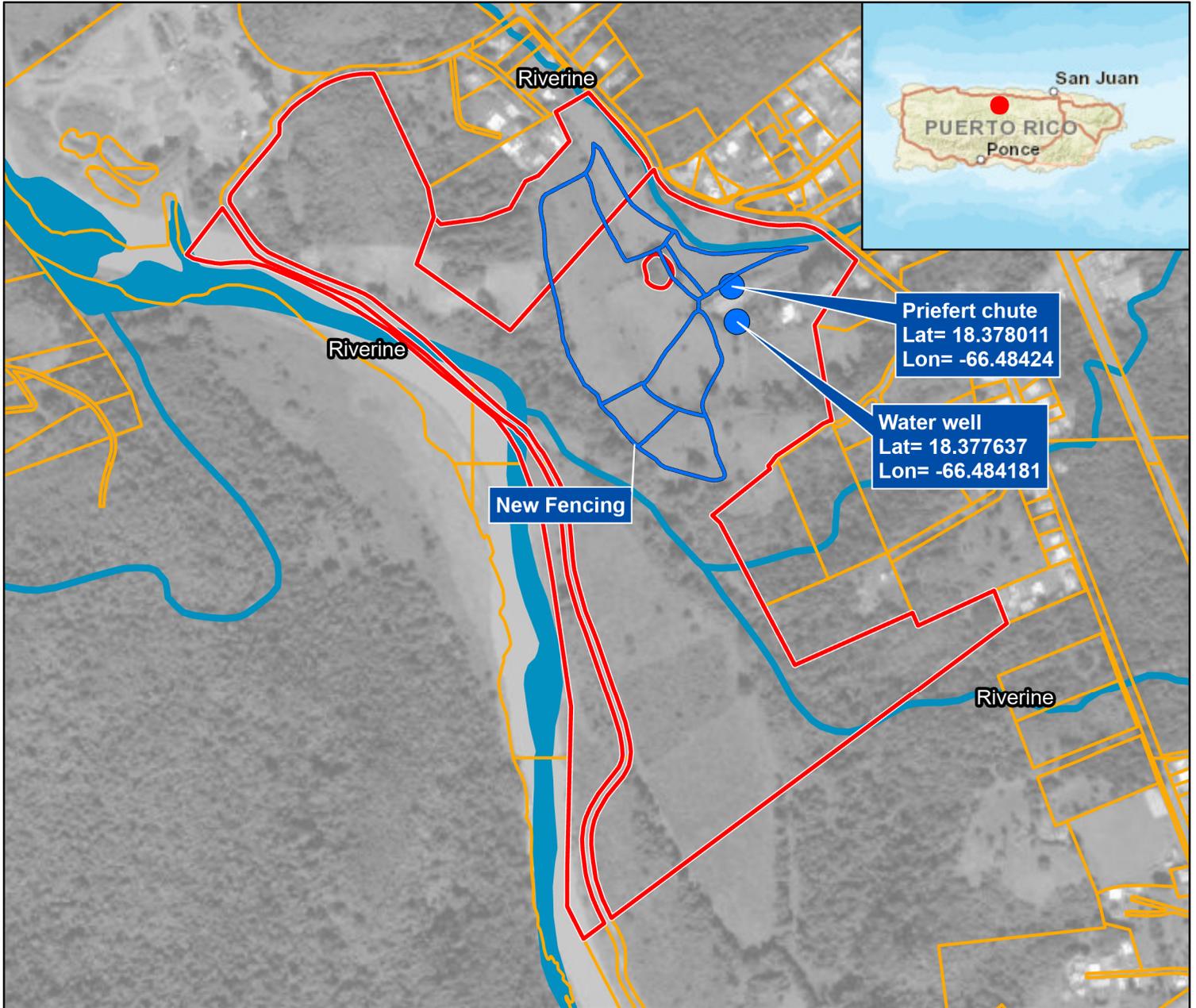
**Source**

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

Figure 11

# USACE Jurisdictional Areas

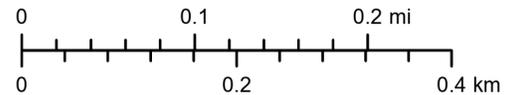
## Puerto Rico Department of Housing ReGrow



**Legend**

- PR-RGRW-01802
- PR-RGRW-01802 Fencing
- PR-RGRW-01802 Parcel
- CRIM Parcels

- National Wetlands Inventory**
- Estuarine and Marine Deepwater
  - Estuarine and Marine Wetland
  - Freshwater Emergent Wetland
  - Freshwater Forested/Shrub Wetland
  - Freshwater Pond
  - Lake
  - Riverine



Service Layer Credits: World Imagery: Maxar  
 World Street Map: Esri, HERE, Garmin, NGA, USGS  
 and Google Earth



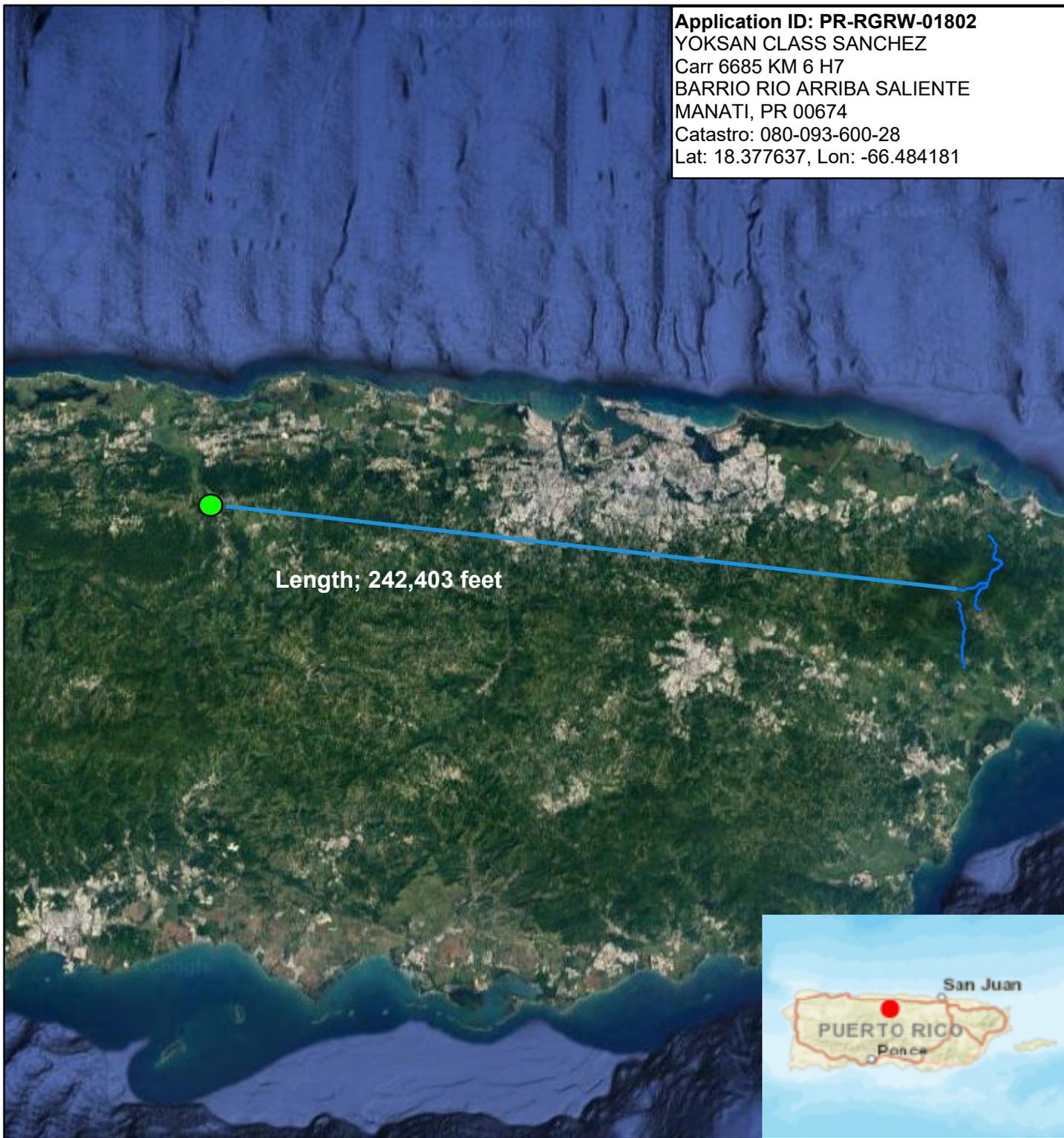
**Source**

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

Figure 12

PR-RGRW-01802 Wild and Scenic River

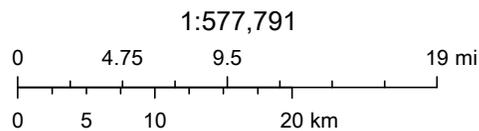
**Application ID: PR-RGRW-01802**  
 YOKSAN CLASS SANCHEZ  
 Carr 6685 KM 6 H7  
 BARRIO RIO ARRIBA SALIENTE  
 MANATI, PR 00674  
 Catastro: 080-093-600-28  
 Lat: 18.377637, Lon: -66.484181



9/6/2023, 12:02:18 PM

— National Wild and Scenic River Line

● PR-RGRW-01802

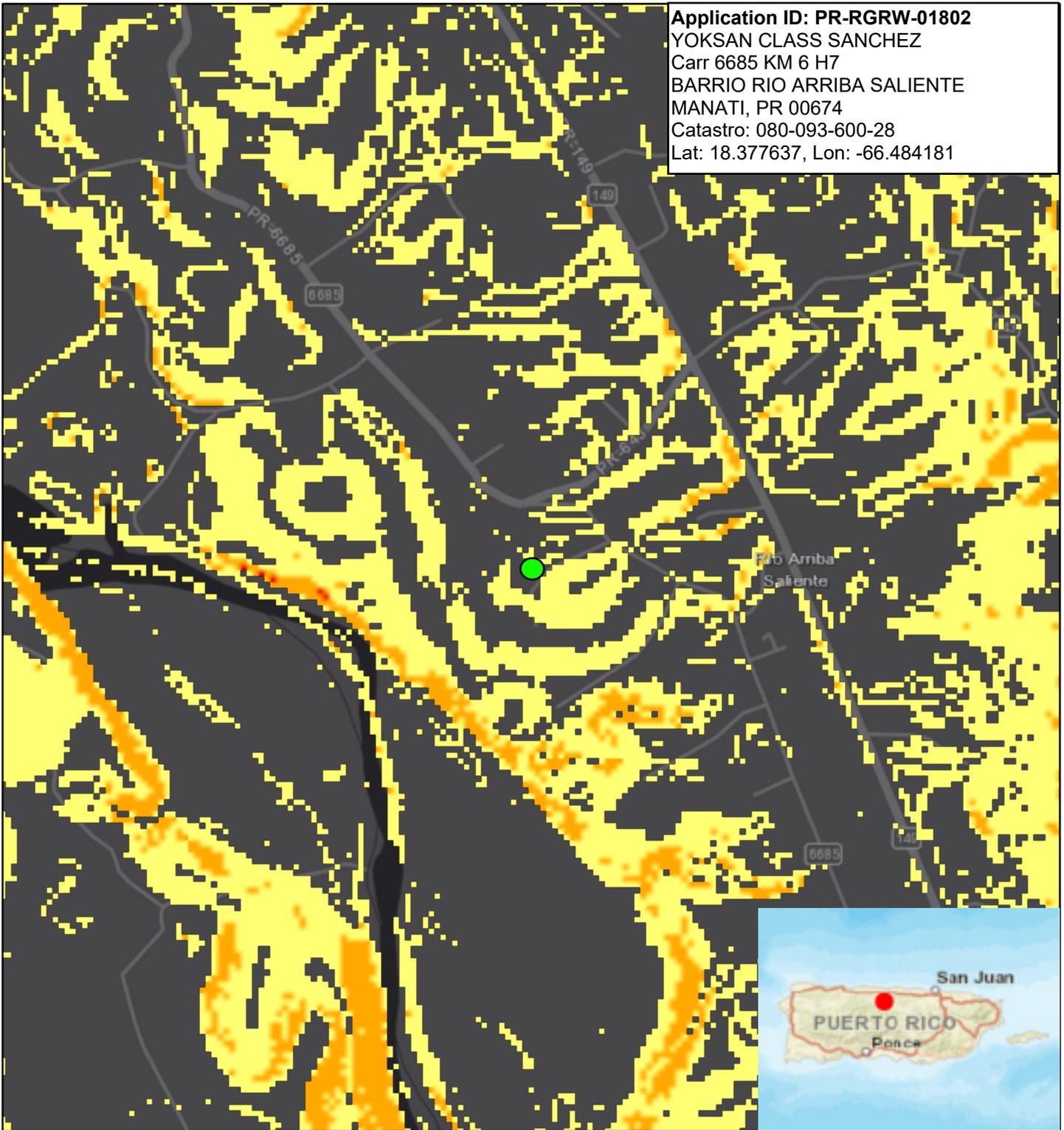


**Source**

U.S. Fish and Wildlife Service (FWS)  
 National Wild and Scenic Rivers System  
<https://www.rivers.gov/mapping-gis.php>

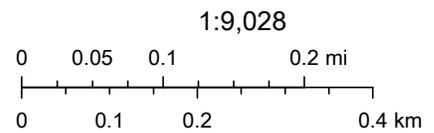
Figure 13  
 PR-RGRW-01802 Landslide

**Application ID: PR-RGRW-01802**  
 YOKSAN CLASS SANCHEZ  
 Carr 6685 KM 6 H7  
 BARRIO RIO ARRIBA SALIENTE  
 MANATI, PR 00674  
 Catastro: 080-093-600-28  
 Lat: 18.377637, Lon: -66.484181



16/10/2023, 10:53:12

- Landslide Susceptibility**
- Low
  - Moderate
  - High
  - Very High
  - Extremely High
- PR-RGRW-01802



Source: Landslide data from USGS:  
 Esri Imagery Basemap service.

## **Appendix 1**



**GOVERNMENT OF PUERTO RICO**  
STATE HISTORIC PRESERVATION OFFICE

Executive Director | Carlos A. Rubio-Cancela | [carubio@prshpo.pr.gov](mailto:carubio@prshpo.pr.gov)

October 2, 2023

**Lauren Bair Poche**

HORNE  
10000 Perkins Rowe, Suite 610, Bldg G  
Baton Rouge, LA 70810

SHPO 09-27-23-01 SECTION 106 NHPA EFFECT DETERMINATION SUBMITTAL:  
PR-RGRW-01802- OKSAN CLASS SÁNCHEZ-CARR. 6685, KM 6 H7, MANATÍ,  
PUERTO RICO

Dear Ms. Bair,

Our Office has received and reviewed the above referenced project 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*.

Our records support your finding of **no historic properties affected** for this undertaking.

Please note that should you discover other historic properties at any point during project implementation, you should notify the SHPO immediately. If you have any questions regarding our comments, please do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio-Cancela  
State Historic Preservation Officer

CARC/GMO/MB



September 27, 2023

Carlos A. Rubio Cancela  
State Historic Preservation Officer  
Puerto Rico State Historic Preservation Office  
Cuartel de Ballajá (Tercer Piso)  
San Juan, PR 00902-3935

**Puerto Rico Disaster Recovery, CDBG-DR Re-Grow PR Urban-Rural Agricultural (Re-Grow PR) Program**

**Section 106 NHPA Effect Determination Submittal: PR-RGRW-01802 – Oksan Class Sanchez – Carr 6685 Km 6 H7, Manatí, Puerto Rico – *No Historic Properties Affected***

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). 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.

On behalf of PRDOH and the subrecipient, the Puerto Rico Department of Agriculture, HORNE is submitting documentation for activities proposed by Yoksan Class Sánchez at Carr 6685 Km 6 H7 in the municipality of Manatí. The proposed activities for PR-RGRW-01802 consist of installing/constructing a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials to install barbed wire fencing. Fence post will be set approximately 2 ft into the ground. The installation of the water well, new fencing, and Priefert chute will require ground disturbance. The 6" water well will also be installed following the standards and regulations of the Puerto Rico Department of Natural and Environmental Resources. The power source will be provided by an existing intake from P.R.E.P.A./LUMA on the property.

Based on the submitted documentation, the Program requests a concurrence that a finding of no historic properties affected is appropriate for this proposed project.

Please contact me by email at [lauren.poche@horne.com](mailto:lauren.poche@horne.com) or phone at 225-405-7676 with any questions or concerns.

Kindest regards,



**Lauren Bair Poche, M.A.**

Architectural Historian, Historic Preservation Senior Manager

Attachments

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>		
<b>Applicant: Yoksan Class Sánchez</b>		
<b>Case ID: PR-RGRW-01802</b>	<b>City: Manatí</b>	

<b>Project Location:</b> Carr 6685 km 6 h7	
<b>Project Coordinates:</b> 18.378011 -66.48424, 18.377637 -66.484181	
<b>TPID (Número de Catastro):</b> 080-093-600-28	
<b>Type of Undertaking:</b> <input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b> n/a	<b>Property Size (acres):</b> 72.08

<b>SOI-Qualified Archaeologist:</b> Jaqueline López Meléndez
<b>Date Reviewed:</b> September 17, 2023

In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the 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.

### Project Description (Undertaking)

The proposed activities for PR-RGRW-01802 consist of installing/constructing a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials to install barbed wire fencing. Fence post will be set approximately 2 ft into the ground. The installation of the water well, new fencing, and Priefert chute will require ground disturbance. The 6" water well will also be installed following the standards and regulations of the Puerto Rico Department of Natural and Environmental Resources (DNER). The power source will be provided by an existing intake from P.R.E.P.A/LUMA on the property. The project area is located at PR-6685 km. 6.7 within the Municipality of Manatí. Based on a review of historical aerial imagery, the general area of the fencing location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area) and it remains predominantly agricultural through to the present day.

### 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 location of the Priefert chute, new fencing, and water well plus a 15-meter buffer and the visual APE is the viewshed of the proposed project.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ReGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 <small>GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING</small>
<b>Applicant: Yoksan Class Sánchez</b>	
<b>Case ID: PR-RGRW-01802</b>	<b>City: Manatí</b>

**Identification of Historic Properties - Archaeology**

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 there are no reported archaeological sites, archaeological materials of significant cultural properties within a half-mile (0.50 miles) radius of the project location. The closest reported archaeological site to the PR-RGRW-01802 project area is the Pre-Columbian site Paso Hondo II (ICP: CL-25) located 1.02 miles southeast. The proposed project is located in Manatí, at an elevation of 213 feet above sea level. Per the USGS/NRCS Web Soil Survey, the project area is within mapped soil series: Naranjo clay. The project area APE is in NaD. The nearest bodies of water are: an unnamed creek, located 0.06 miles north and Río Grande de Manatí river located 0.17 miles southwest. The north coast is approximately 6.40 miles north from the project area.

There are four (4) archaeological studies within 0.50 miles radius of the project area, all with negative results.

The project area does not have cultural resources that are listed either on the National Register of Historic Places (NRHP) or in a Traditional Urban Center or Historic District. On September 12, 2023, we visually inspected the project area. The area where the priefert chute and water well be placed has a flat topography and the surface is covered with grass and shrubs.

The soil in the project area has been classified as Naranjo clay, 5 to 20 percent slopes (NaD). This soil is deep, sloping to moderately steep, and well drained. It is on the foot slopes and side slopes of limestone hills. The permeability of this Naranjo soil is moderate, and the available water capacity is high. Runoff is medium.

There are four cultural resource studies with negative results within a half-mile radius of the property. The project area does not have cultural resources that are listed either on the National Register of Historic Places (NRHP) or in a Traditional Urban Center or Historic District. On September 12, 2023, we visually inspected the project area. No cultural remains can be observed on the surface of the parcel.

**Determination**

The project area is not within or adjacent to the boundaries of a National Register of Historic Places (NRHP)-eligible or listed historic district or Traditional Urban Center. There are no reported archaeological materials or significant cultural properties within a half-mile radius of the proposed project location. There are no known archaeological sites or NRHP

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
<b>Applicant: Yoksan Class Sánchez</b>	
<b>Case ID: PR-RGRW-01802</b>	<b>City: Manatí</b>

listed/eligible historic properties are within or adjacent to the property or the parcel in which the Area of Potential Effect of case PR-RGRW-01802 is located. The construction of public roads and agricultural infrastructure has minimally impacted the surrounding terrain. Therefore, no historic properties will be affected by this reconstruction project.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>		 <small>GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING</small>
<b>Applicant: Yoksan Class Sánchez</b>		
<b>Case ID: PR-RGRW-01802</b>		<b>City: Manatí</b>

**Recommendation**

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  
Condition (if applicable):
- 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: <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Concurs</b> with the information provided.</li> <li><input type="checkbox"/> <b>Does not concur</b> with the information provided.</li> </ul>	
<b>Comments:</b>          	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>		
<b>Applicant: Yoksan Class Sánchez</b>		
<b>Case ID: PR-RGRW-01802</b>	<b>City: Manatí</b>	

**Table of archaeological sites, historic properties and historic districts located within the project area or within a 0.50-miles radius.**

Name	SHPO id #	IPRC id #	Distance/Direction	Description	NRHP (listed, eligible, non-eligible, no data)
None	-	-	-	-	-

**Table of cultural resources surveys conducted within the project area or within a 0.50-miles radius.**

Author	Phase/Title	Year	SHPO / IPRC code	Results	Distance/Direction
Jaime Vélez	IA/ Metro Aggregates, Corp	1990	ICP/CAT-MT-90-02-05	Negative	0.34 mi NW
Carlos Ayes	IA/ Solares Residenciales	2000	ICP/CAT-MT-00-09-05	Negative	0.18 mi NE
Marisol Martínez	IA-IB/ Provincias de Manatí	2006	ICP/CAT-MT-06-12-06	Negative	0.38 mi NW
Marisol Martínez	IA/ Mejoral al Sistema de Acueductos, Sector Pugnado	1999	ICP/CAT-MT-99-09-03, SHPO: 08-25-99-04	Negative	0.25 mi NE

Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí

### Project (PR-RGRW-01802) Location – Area of Potential Effect Map (Aerial)

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
Carr. 1 Suite 1.01, Calle Ponce 554, Arroyo, San Juan, P.R. 00920 Tel: (787) 763-0290

Application ID: PR-RGRW-01802

YOKSAN CLASS SANCHEZ

Carr 6685 km6 h7

BARRIO RIO ARRIBA SALIENTE

Manatí, PR 00674

Catastro: 080-093-600-28

Lat: See List Below, Lon: See List Below

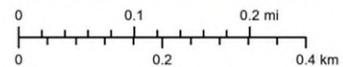
## Area of Potential Effect

Puerto Rico Department of Housing ReGrow



**Legend**

- Area of Potential Effect
- PR-RGRW-01802 Parcel
- CRIM Parcels



Service Layer Credits: World Imagery: Maxar  
Google Satellite: © OpenStreetMap (and) contributors,  
CC-BY-SA  
World Street Map: Esri, HERE, Garmin, NGA, USGS  
and Google Earth



**Source**

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

Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí

### Project (PR-RGRW-01802) Location - Aerial Map

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
Carretera Borra 1 Suite 2-03, Calle Ponce 554, Arroyo, San Juan, PR 00920 Tel: (787)719-0280

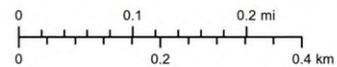
Location: Aerial Map  
Puerto Rico Department of Housing ReGrow

Application ID: PR-RGRW-01802

YOKSAN CLASS SANCHEZ  
Carr 6685 km6 h7  
BARRIO RIO ARRIBA SALIENTE  
Manatí, PR 00674  
Catastro: 080-093-600-28  
Lat: See List Below, Lon: See List Below



- Legend**
- PR-RGRW-01802
  - PR-RGRW-01802 Fencing
  - PR-RGRW-01802 Parcel
  - CRIM Parcels



Service Layer Credits: World Imagery: Maxar  
Google Satellite: © OpenStreetMap (and) contributors,  
CC-BY-SA  
World Street Map: Esri, HERE, Garmin, NGA, USGS  
and Google Earth



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



Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí

### Project (PR-RGRW-01802) Location - USGS Topographic Map

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
Corso, Suite 1 Suite J-3, Calle Perico 554, Alamo, San Juan, PR, 00920 Tel: (787) 763-0290

Application ID: PR-RGRW-01802

YOKSAN CLASS SANCHEZ

Carr 6685 km6 h7

BARRIO RIO ARRIBA SALIENTE

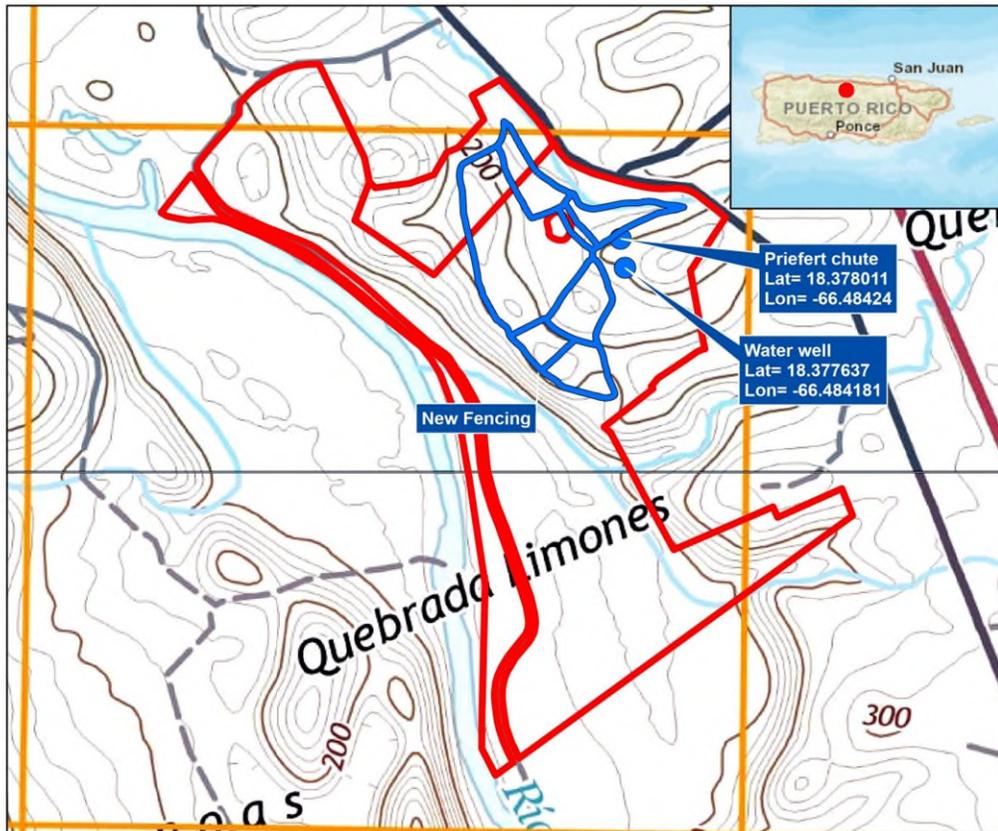
Manatí, PR 00674

Catastro: 080-093-600-28

Lat: See List Below, Lon: See List Below

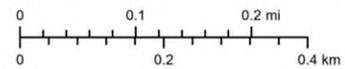
### Location: USGS Topographic Map

Puerto Rico Department of Housing ReGrow



- Legend**
- PR-RGRW-01802 Fencing
  - PR-RGRW-01802
  - PR-RGRW-01802 Parcel

Contour Interval 20 Feet



Service Layer Credits: World Street Map: Esri, HERE, Garmin, NGA, USGS



**Source**

United States Geological Survey (USGS)  
National Geologic Map Database  
[https://ngmdb.usgs.gov/ngmdb/ngmdb\\_home.html](https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html)

Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí

Project (PR-RGRW-01802) Location – Soils Map

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
Corde. Serial 1 Suite 2-3, Calle Ponce 554, Atrium, San Juan, P.R. 00920 Tel: (787) 793-0290

Application ID: PR-RGRW-01802

YOKSAN CLASS SANCHEZ

Carr 6685 km6 h7

BARRIO RIO ARRIBA SALIENTE

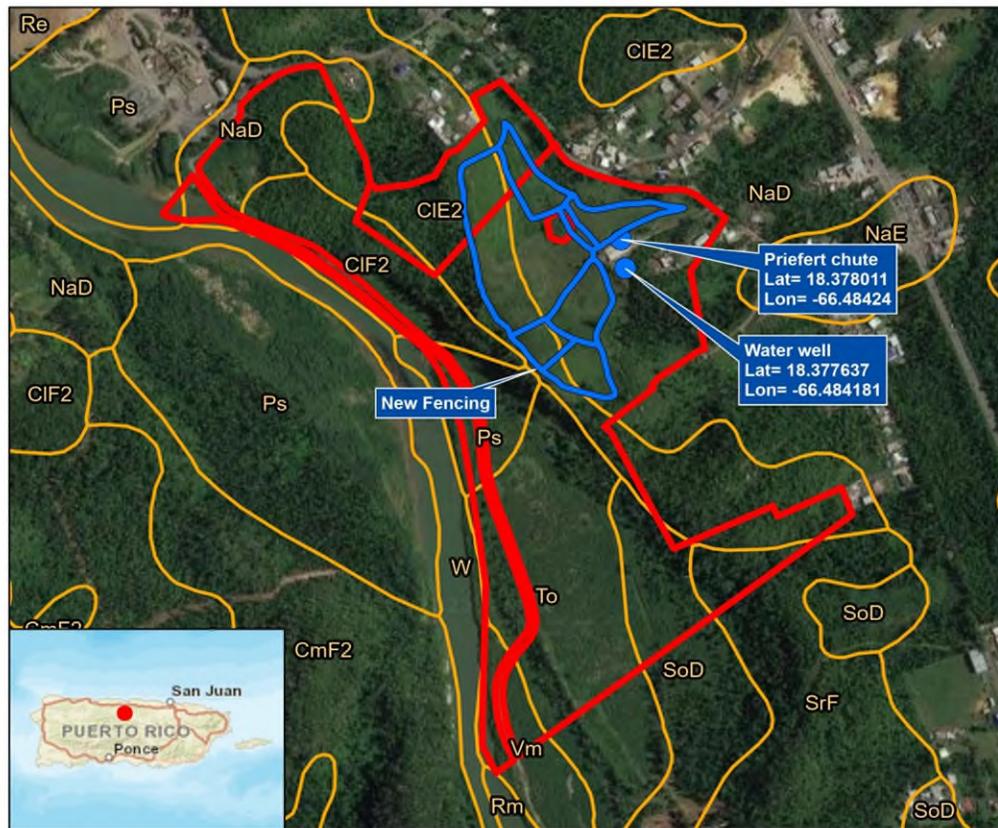
Manatí, PR 00674

Catastro: 080-093-600-28

Lat: See List Below, Lon: See List Below

Soils Map

Puerto Rico Department of Housing ReGrow

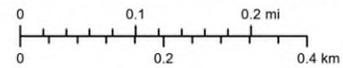


Legend

- PR-RGRW-01802
- PR-RGRW-01802 Fencing
- PR-RGRW-01802 Parcel
- Soil Map Unit Symbol

Soil Map Unit Symbol

- CID2 - Colinas clay loam, 12 to 20 percent slopes
- CIE2 - Colinas clay loam, 20 to 40 percent slopes
- CIF2 - Colinas clay loam, 40 to 60 percent slopes
- CmF2 - Colinas cobbly clay loam, 20 to 60 percent slopes, eroded
- JuD2 - Juncal clay, 12 to 20 percent slopes, eroded
- NaD - Naranja clay, 5 to 20 percent slopes
- NaE - Naranja clay, 20 to 40 percent slopes
- Ps - Pits, gravel
- Re - Relly gravelly silt loam
- Rm - Riverwash
- SoD - Solter clay, 12 to 20 percent slopes
- SrF - Solter-Rock outcrop complex, 5 to 60 percent slopes
- To - Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded
- Vm - Vivi loam
- W - Water



Service Layer Credits: World Imagery: Maxar  
Google Satellite: © OpenStreetMap (and) contributors,  
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World Street Map: Esri, HERE, Garmin, NGA, USGS  
and Google Earth



Source

Natural Resources Conservation Service (NRCS)  
Gridded Soil Survey Geographic Database (gSSURGO)  
<https://data.nal.usda.gov/dataset/soil-survey-geographic-database-ssurgo>

Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí

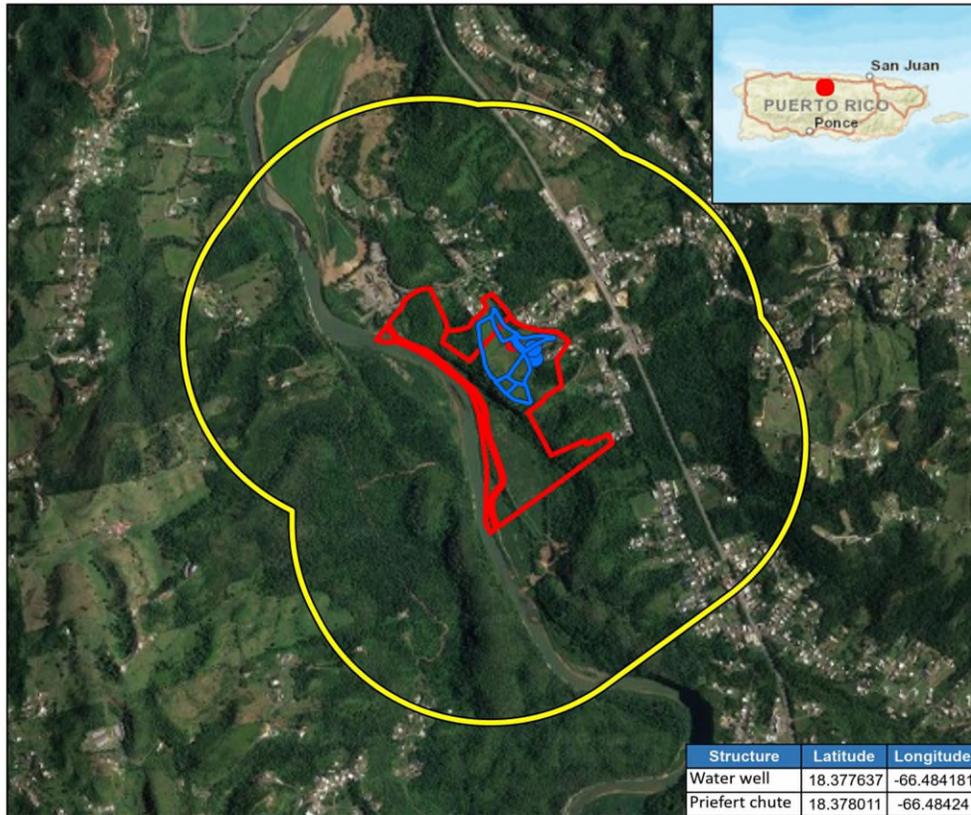
**Project (PR-RGRW-01802) Location with Previous Investigations - Aerial Map**

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
Ciudad, Barrio 1 Suite 218, Calle Ponce 554, Arterinos, San Juan, PR, 00920 Tel: (787)783-0280

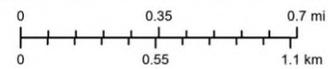
Application ID: PR-RGRW-01802

YOKSAN CLASS SANCHEZ  
Carr 6685 km6 h7  
BARRIO RIO ARRIBA SALIENTE  
Manatí, PR 00674  
Catastro: 080-093-600-28  
Lat: See List Below, Lon: See List Below

**Previous Investigations: Aerial Map**  
Puerto Rico Department of Housing ReGrow



- Legend**
- PR-RGRW-01802
  - PR-RGRW-01802 Fencing
  - PR-RGRW-01802 Parcel
  - 0.50 Mile (0.80 km) Buffer



Service Layer Credits: World Imagery: Maxar  
Google Satellite: © OpenStreetMap (and) contributors,  
CC-BY-SA  
World Street Map: Esri, HERE, Garmin, NGA, USGS  
and Google Earth



Source

Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí

**Project (PR-RGRW-01802) Location with Previous Investigations - Topographic Map**

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
Company, located at Suite 100, Calle Princesa SDA, Arroyo, San Juan, PR, 00920 TEL: (787) 632-0295

Application ID: PR-RGRW-01802

YOKSAN CLASS SANCHEZ

Carr 6685 km6 h7

BARRIO RIO ARRIBA SALIENTE

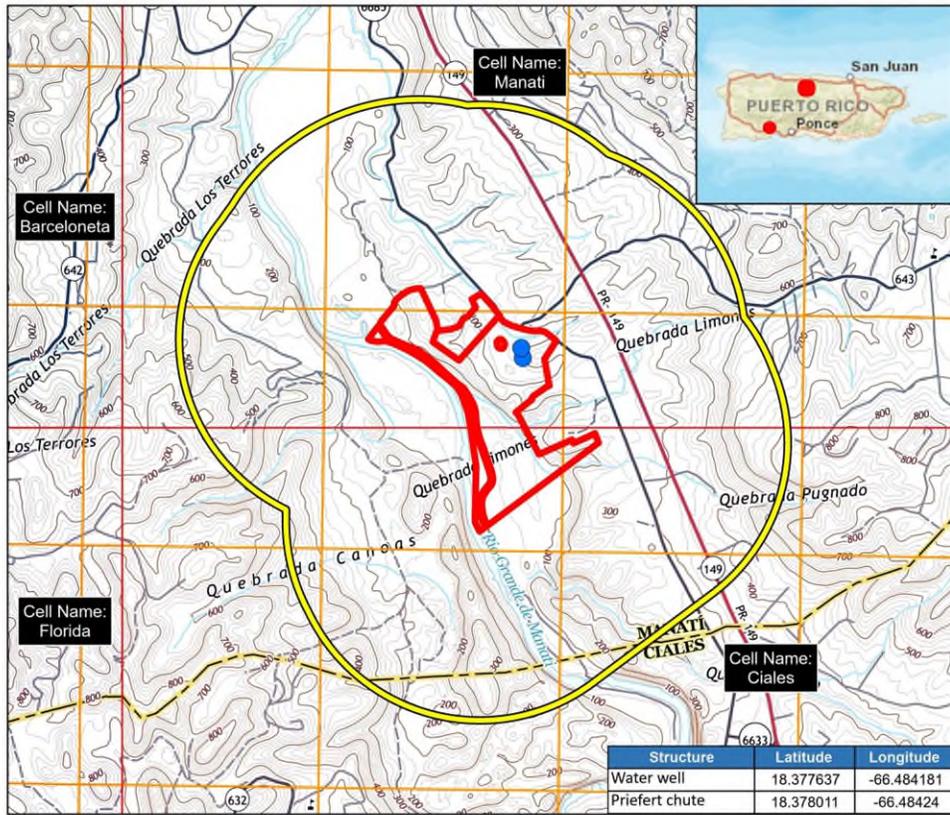
Manatí, PR 00674

Catastro: 080-093-600-28

Lat: See List Below, Lon: See List Below

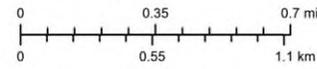
Previous Investigations: USGS Topographic Map

Puerto Rico Department of Housing ReGrow



- Legend**
- PR-RGRW-01802
  - PR-RGRW-01802 Parcel
  - 0.50 Mile (0.80 km) Buffer

Contour Interval 20 Feet



Service Layer Credits: World Street Map: Esri, HERE, Garmin, NGA, USGS



**Source**

United States Geological Survey (USGS)  
National Geologic Map Database  
[https://ngmdb.usgs.gov/ngmdb/ngmdb\\_home.html](https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html)



Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí

### Photograph Key





Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí



Photo #: 1

Description (include direction): General area where the water well will be installed, looking northeast.

Date: September 12, 2023



Photo #: 2

Description (include direction): General area where the Priefert chute be installed, looking southwest.

Date: September 12, 2023



Applicant: Yoksan Class Sánchez

Case ID: PR-RGRW-01802

City: Manatí



Photo #: 3

Description (include direction): General area where the new fencing will be installed, looking northwest.

Date: September 12, 2023



Photo #: 4

Description (include direction): General area where the new fencing be installed, looking northeast.

Date: September 12, 2023



October 20, 2022

**Arch. Carlos A. Rubio Cancela**

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

**Re: Authorization to Submit Documents**

Dear Arch. Rubio Cancela:

The U.S. Department of Housing (HUD) approved the allocations of Community Development Block Grant (CDBG-DR) funds on February 9, 2018. It also approved the allocation of Community Development Block Grant Mitigation (CDBG-MIT) funds on January 27, 2020. The purpose of these allocations is to address unsatisfied needs as a result of Hurricanes Irma and Maria in September 2017; and to carry out strategic and high-impact activities to mitigate disaster risks and reduce future losses.

To comply with the environmental requirements established by HUD, the Department of Housing of Puerto Rico (PRDOH) contracted Horne Federal LLC to provide environmental registry review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs.

In line to expedite the processes, Horne Federal LLC, is authorized to submit to the State Historic Preservation Officer, documentation of projects related to both the CDBG-DR and CDBG-MIT on behalf of PRDOH.

Cordially,

A handwritten signature in blue ink, appearing to be 'JB', is written over the typed name.

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT

## **Appendix 2**



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 March 31, 2023

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:

PUERTO RICO

Important Notes

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

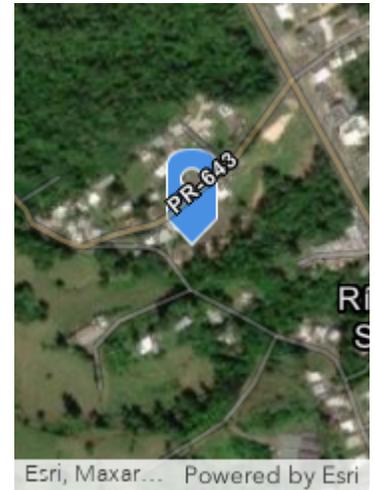
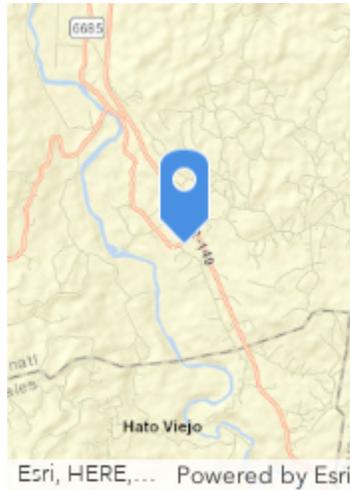
County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes
<b>PUERTO RICO</b>								
Arecibo Municipio	Lead (2008)	Arecibo, PR	11121314151617181920212223	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		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	181920212223	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	181920212223	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	52,441	72/137

Important Notes

## **Appendix 3**

**APPLICANT/LOCATION INFORMATION**

Applicant ID:	PR-RGRW-01802
Name:	Yoksan Class Sanchez
Parcel ID:	080-093-600-28
Latitude:	18.378890687815332
Longitude:	-66.48307496023729
Elevation:	
Development	
Street Address:	Carr 6685 km6 h7, BARRIO RIO ARRIBA SALIENTE,
Municipio:	Manatí
Zip Code:	00674
Site Inspector:	Patricia Carmenatty
Date of Visit:	September 2, 2023
Time of Visit:	3:00

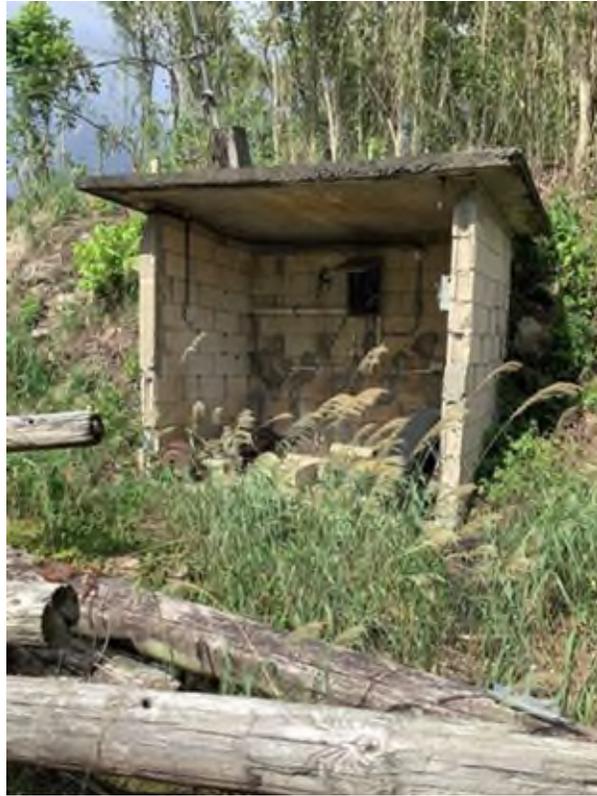


**FIELD OBSERVATIONS**

Question	Answer	Notes
1. Is the structure in use?	Yes	
2. Is the structure a greenhouse?	No	
3. Is Electricity connected? (Utilities or Well)	Yes	LUMA (en la plaza donde descansa ganado)
4. Is water connected? (Utilities or Well)		
5. Are there signs of poor housekeeping on site? (mounds of rubble, garbage, strom debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, etc.)	Yes	
Are there any 55-gallon drums visible on site? If yes, are they leaking?	No	
6. Are there any (or signs of any) underground storage tanks on the property?	No	
7. Are there signs of AST on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	No	
Is there any stained soil or pavement on the parcel?	N/A	
8. Is a water drainage system in use?	No	
9. Is a warehouse in use for storage of Fertilizer or Pesticides?	No	
10. Are there any groundwater monitoring wells on the site or adjacent parcel?	Yes	Hay un pozo pero lleva años que no se usa.
11. Is there evidence of a faulty septic system?	No	
12. Is there distressed vegetation on the parcel?	No	
13. Is there any visible indication of mold?	Yes	
14. Is there any visible evidence of asbestos, chipping, and flaking or peeling paint, or hazardous materials present in or on the structure?	Yes	
15. Are any additional site hazards observed?	No	
16. 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	
17. Does the subject property have water frontage?	No	
18. Is there any indication of the presence of wetlands?	No	
19. Are there any obvious signs of animals or birds nesting on or near the site?	Yes	Ganado de carne y guineas
20. 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?	No	

Photo Direction: Southwest

Comments: Localizacion conexion electrica del Pozo anterior



Facing Away from Front

Photo Direction: N/A

Comments:

Photo Direction: Southwest

Comments: Pozo anterior (tapado) donde iría el pozo nuevo



**Facing Away From Side #1**

Photo Direction: N/A

Comments:

Photo Direction: South

Comments: Pozo anterior



Photo Direction: Southeast

Comments: Tuberia Pozo anterior



Photo Direction: N/A

Comments: Conexion pero no hay luz



Photo Direction: Southwest

Comments: old fence



Photo Direction: Southwest

Comments: Finca



Photo Direction: South

Comments:



Address

Photo Direction: West

Comments:



Evidence Photo 1

Photo Direction: N/A

Photo Description: Ganado de carne. Raza



Evidence Photo 2

Photo Direction: N/A

Photo Description: West



Evidence Photo 3

Photo Direction: South

Photo Description:



Evidence Photo 4

Photo Direction: West

Photo Description:



**Evidence Photo 5**

Photo Direction: Northwest

Photo Description: North



**Evidence Photo 6**

Photo Direction: East

Photo Description: Entrada a la finca



Evidence Photo 7

Photo Direction: Southwest

Photo Description:



Evidence Photo 8

Photo Direction: Southeast

Photo Description: water pipes over the ground



Evidence Photo 9

Photo Direction: South

Photo Description: Donde iria pozo de agua mirandi hacia el suroeste



Evidence Photo 10

Photo Direction: East

Photo Description: Donde se guardara el equipo y guagua.



Evidence Photo 11

Photo Direction: Southwest

Photo Description: proposed chute (cepo)



Evidence Photo 12

Photo Direction: N/A

Photo Description:

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# Detailed Facility Report



# Detailed Facility Report

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**Facility Summary****BETTERROADS CORPORATION - MANATÍ****PR-6685 KM. 6.0, MANATI, PR 00674** ⓘ**FRS (Facility Registry Service) ID:** 110069609203**EPA Region:** 02**Latitude:** 18.3811**Longitude:** -66.490242**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	Terminated Permit
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 Terminated; Compliance Tracking Off (PRR053307)**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 County	Latitude	Longitude
FRS		110069609203					N	18.3811	-66.490242
ICIS-NPDES	CWA	PRR053307	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Industrial Stormwater	06/03/2020	N	18.380607	-66.489823

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110069609203	BETTERROADS CORPORATION - MANATÍ	PR-6685 KM. 6.0, MANATÍ, PR 00674	
ICIS-NPDES	CWA	PRR053307	BETTERROADS CORPORATION - MANATÍ	PR-6685 KM. 6.0, MANATÍ, PR 00674	Manatí Municipio

## Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PRR053307	2951	Asphalt Paving Mixtures And Blocks

## 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
PRR053307	436	Mineral mining and processing point source category

## 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 counted as EPA official inspections.

## 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	PRR053307	No	06/30/2023	5	10/20/2023

## 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: PRR053307	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	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	07/01-10/20/23
	Facility-Level Status	Significant/Category I Noncompliance	Terminated Permit											
	Quarterly Noncompliance Report History	Failure to Report DMR - Not Received												
	Late or Missing Discharge Monitoring Report (DMR) Measurements													
	Counts of Missing DMR Measurements	18	6	6										

## 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/Action Date	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEB 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?
210100020210	Rio Grande de Manati	RIO GRANDE DE MANATI	No	No	Coliform, fecal general   Copper, total (as Cu)   Nitrite Plus Nitrate Total   Solids, total suspended   Turbidity	Yes

## Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRNRBA1	RIO GRANDE DE MANATI	Impaired - 303(d) Listed - With Restoration Plan	METALS (OTHER THAN MERCURY)   NUTRIENTS   PATHOGENS   TURBIDITY	Not Supporting	Not Supporting	--	Not Supporting	--

## Air Quality Nonattainment Areas

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

## Pollutants

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

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

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

Chemical Name
No data records returned

## CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings DMR and TRI Multi-Year Loading Report

NPDES ID	Description
No data records returned	

## Community

### Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

#### EJScreen Indexes Shown

Compare to  US  State

Index Type  Environmental Justice  Supplemental

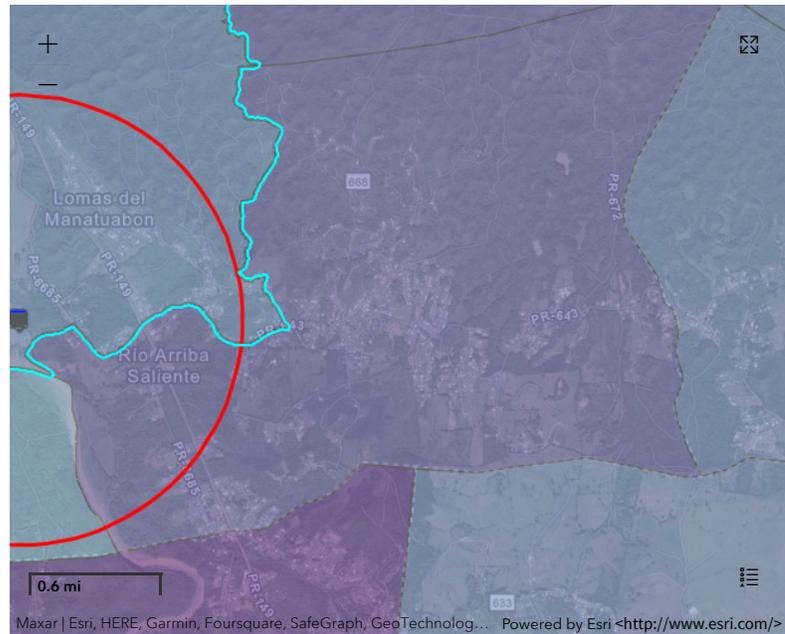
#### Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720915708002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	6	7
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	11	12
Air Toxics Cancer Risk	52	54
Air Toxics Respiratory Hazard Index	33	37
Toxic Releases to Air	<input checked="" type="radio"/> 92	<input checked="" type="radio"/> 97
Traffic Proximity	<input checked="" type="radio"/> 87	<input checked="" type="radio"/> 87
Lead Paint	65	<input checked="" type="radio"/> 93
Risk Management Plan (RMP) Facility Proximity	67	<input checked="" type="radio"/> 81
Hazardous Waste Proximity	<input checked="" type="radio"/> 97	<input checked="" type="radio"/> 97
Superfund Proximity	<input checked="" type="radio"/> 99	<input checked="" type="radio"/> 99
Underground Storage Tanks (UST)	<input checked="" type="radio"/> 87	<input checked="" type="radio"/> 87
Wastewater Discharge	<input checked="" type="radio"/> 95	<input checked="" type="radio"/> 97

Facility 1-mile Radius  Facility Census Block Group



### 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 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) 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 (U.S. Census)	
Total Persons	1,163
Population Density	374/sq.mi.
Housing Units in Area	494

General Statistics (ACS (American Community Survey))	
Total Persons	1,186
Percent People of Color	98%
Households in Area	416
Households on Public Assistance	11
Persons With Low Income	884
Percent With Low Income	75%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.3811
Center Longitude	-66.490242
Land Area	99%
Water Area	1%

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	62 (5%)
Minors 17 years and younger	249 (21%)
Adults 18 years and older	913 (79%)
Seniors 65 years and older	188 (16%)

Race Breakdown (U.S. Census) - Persons (%)	
White	976 (84%)
African-American	58 (5%)
Hispanic-Origin	1,155 (99%)
Asian/Pacific Islander	0 (0%)
American Indian	2 (0%)
Other/Multiracial	128 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	120 (14.08%)
9th through 12th Grade	51 (5.99%)
High School Diploma	247 (28.99%)
Some College/2-year	49 (5.75%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	294 (34.51%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	119 (28.54%)
\$15,000 - \$25,000	117 (28.06%)
\$25,000 - \$50,000	107 (25.66%)
\$50,000 - \$75,000	30 (7.19%)
Greater than \$75,000	44 (10.55%)

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## Detailed Facility Report



## Detailed Facility Report

### Facility Summary

**PUERTO RICO ASPHALT, LLC - MANATÍ**

**PR-6685 KM. 6.0 ARRIBA SALIENTE WARD, MANATÍ, PR 00674** ⓘ

**FRS (Facility Registry Service) ID:** 110071077404

**EPA Region:** 02

**Latitude:** 18.380071

**Longitude:** -66.48981

**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)	6
Qtrs with Significant Violation	6
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 Terminated; Compliance Tracking Off (PRR05J01X)

**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		110071077404					N	18.380071	-66.48981
ICIS-NPDES	CWA	PRR05J01X	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Industrial Stormwater	02/28/2026	N	18.379811	-66.491081

#### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110071077404	PUERTO RICO ASPHALT, LLC - MANATÍ	PR-6685 KM. 6.0 ARRIBA SALIENTE WARD, MANATÍ, PR 00674	Manatí Municipio
ICIS-NPDES	CWA	PRR05J01X	PUERTO RICO ASPHALT, LLC - MANATÍ	PR-6685 KM. 6.0 ARRIBA SALIENTE WARD, MANATÍ, PR 00674	

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

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PRR05J01X	1442	Construction Sand And Gravel
ICIS-NPDES	PRR05J01X	2951	Asphalt Paving Mixtures And Blocks

#### 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)
CWA	PRR05J01X	ICIS (NPDES)	Information Request	Formal	EPA	06/05/2023	

Entries in italics are not counted as EPA official inspections.

#### 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	PRR05J01X	Yes	06/30/2023	6	10/20/2023

#### 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: PRR05J01X)	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	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	07/01-10/20/23
	Facility-Level Status	No Violation Identified	Significant/Category I Noncompliance	Undetermined										
	Quarterly Noncompliance Report History							Failure to Report DMR - Not Received						
	Benchmark Threshold Exceedances (No Violation): Pollutant	Disch Point	Mon Loc	Freq										
CWA	Solids, total suspended effluent-charts#pr05j01x/00530> <https://epa.gov/effluent-charts#pr05j01x/00530>	001 - D1	Effluent Gross	NMth								1,515%	1,515%	
CWA	Solids, total suspended effluent-charts#pr05j01x/00530> <https://epa.gov/effluent-charts#pr05j01x/00530>	002 - J1	Effluent Gross	NMth								1,340%	1,340%	
	Late or Missing Discharge Monitoring Report (DMR) Measurements						6	38	6	50	6	3	3	
	Counts of Missing DMR Measurements													

#### 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?
210100020210	Rio Grande de Manati	RIO GRANDE DE MANATI	No	No	Chromium, hexavalent (as Cr)   Copper, total (as Cu)   Enterococci   Nitrite Plus Nitrate Total   Nitrogen, total (as N)   Phosphorus, total (as P)   Solids, total suspended   Turbidity	Yes

#### Assessed Waters From Latest State Submission (ATTAINS)

Site	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRNRBA1	RIO GRANDE DE MANATI	Impaired - 303(d) Listed - With Restoration Plan	METALS (OTHER THAN MERCURY)   NUTRIENTS   PATHOGENS   TURBIDITY	Not Supporting	Not Supporting	--	Not Supporting	--

#### Air Quality Nonattainment Areas

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

#### Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID

Description

No data records returned

## Community Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

### EJScreen Indexes Shown

Compare to  US  State

Index Type  Environmental Justice  Supplemental

### Related Reports

EJScreen Community Report

### Download Data

Census Block Group ID: 720915708002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
<b>Count of Indexes At or Above 80th Percentile</b>	<b>6</b>	<b>8</b>
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	11	12
Air Toxics Cancer Risk	52	54
Air Toxics Respiratory Hazard Index	33	94
Toxic Releases to Air	92	99
Traffic Proximity	87	92
Lead Paint	65	93
Risk Management Plan (RMP) Facility Proximity	67	89
Hazardous Waste Proximity	97	97
Superfund Proximity	99	99
Underground Storage Tanks (UST)	87	87
Wastewater Discharge	95	99

Facility 1-mile Radius  Facility Census Block Group



1 mi

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## 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 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) 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 (U.S. Census)	
Total Persons	1,218
Population Density	393/sq.mi.
Housing Units in Area	515

General Statistics (ACS (American Community Survey))	
Total Persons	1,185
Percent People of Color	98%
Households in Area	415
Households on Public Assistance	11
Persons With Low Income	883
Percent With Low Income	75%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.380071
Center Longitude	-66.48981
Land Area	98%
Water Area	2%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	120 (28.92%)
\$15,000 - \$25,000	116 (27.95%)
\$25,000 - \$50,000	104 (25.06%)
\$50,000 - \$75,000	31 (7.47%)
Greater than \$75,000	44 (10.6%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	65 (5%)
Minors 17 years and younger	259 (21%)
Adults 18 years and older	958 (79%)
Seniors 65 years and older	199 (16%)

Race Breakdown (U.S. Census) - Persons (%)	
White	1,019 (84%)
African-American	63 (5%)
Hispanic-Origin	1,209 (99%)
Asian/Pacific Islander	0 (0%)
American Indian	2 (0%)
Other/Multiracial	134 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	123 (14.4%)
9th through 12th Grade	52 (6.09%)
High School Diploma	249 (29.16%)
Some College/2-year	50 (5.85%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	289 (33.84%)

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Last updated on September 21, 2022

Data Refresh Information  
<<https://epa.gov/resources/echo-data/about-the-data#sources>>

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	N/A	N/A	N/A	8.08	N/A
Ozone (ppb)	N/A	N/A	N/A	61.6	N/A
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.0441	0.0667	55	0.261	3
Air Toxics Cancer Risk* (lifetime risk per million)	20	20	15	25	5
Air Toxics Respiratory HI*	0.2	0.19	17	0.31	4
Toxic Releases to Air	690	4,300	49	4,600	52
Traffic Proximity (daily traffic count/distance to road)	35	180	34	210	33
Lead Paint (% Pre-1960 Housing)	0.036	0.16	28	0.3	23
Superfund Proximity (site count/km distance)	0.2	0.15	85	0.13	85
RMP Facility Proximity (facility count/km distance)	0.089	0.47	25	0.43	25
Hazardous Waste Proximity (facility count/km distance)	0.61	0.76	63	1.9	53
Underground Storage Tanks (count/km <sup>2</sup> )	0.36	1.7	61	3.9	36
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0012	2.3	37	22	50
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	86%	83%	43	35%	97
Supplemental Demographic Index	45%	43%	49	14%	99
People of Color	98%	96%	16	39%	95
Low Income	73%	70%	45	31%	95
Unemployment Rate	15%	15%	59	6%	91
Limited English Speaking Households	69%	67%	47	5%	99
Less Than High School Education	22%	21%	55	12%	84
Under Age 5	6%	4%	75	6%	56
Over Age 64	24%	22%	61	17%	79
Low Life Expectancy	N/A	N/A%	N/A	20%	N/A

\*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

## **Appendix 4**



## United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Bayamón | Mayagüez | Maricao | Rio Grande | St Croix  
P.O. Box 491  
Boquerón, Puerto Rico 00622



In Reply Refer to:  
FWS/R4/CESFO/72091-Gen

Submitted Via Electronic Mail: [jcperez@vivienda.pr.gov](mailto:jcperez@vivienda.pr.gov)

Juan Carlos Pérez-Bofill, PE, MEng.  
Director – Disaster Recovery CDBG-DR Program  
Puerto Rico Department of Housing  
P.O. Box 21365  
San Juan, P.R 00928-1365

Re: CDBG-DR PR-RGRW-01802 Yoksan Class  
Sánchez, Manatí, Puerto Rico

Dear Mr. Pérez-Bofill

Thank you for your letter dated October 30, 2023, requesting comments on the above referenced project. As per your request, our comments are provided under the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

The Puerto Rico Department of Housing (PRDOH) on behalf of Yoksan Class Sánchez. (the Applicant) is proposing the consist of the installation/construction a new 6-inch diameter and 300-foot-deep water well (18°22'39.5"N 66°29'03.1"W), and the purchase of a chute (18°22'40.8"N 66°28'56.7"W), cattle vehicle Ford F-450, scale, installation of a fence (18°22'40.8"N 66°29'03.6"W) 5x8 fence posts, 3x6½ fence posts and fence materials. The installation of the water well and chute will require ground disturbance. The project will be located at PR-6685 Km. 6.7, Río Arriba Saliente Ward, in the municipality of Manatí, Puerto Rico.

Using the Information for Planning and Consultation (IPaC) system the proponent has determined that the proposed project lies within the range of Puerto Rican boa (*Epicrates inornatus* now known as *Chilabothrus inornatus*), palo de ramón (*Banara vanderbiltii*) and Puerto Rican harlequin butterfly (*Atlantea tulita*).

The Caribbean Determination Key (DKey) in the U.S. Fish and Wildlife Service's (the Service) online IPaC application was used (project code: 2024-0005001) to evaluate the potential impacts to federally listed species for 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) on this specie. As for the Puerto Rican harlequin butterfly and palo de Ramón a consultation is required.

Based on the nature of the project, scope of work, information available, and analysis of the IPaC lists together with field direct observations of the area where the project will be developed, the proponent has determined that the proposed project may affect, but is not likely to adversely affect (NLAA) the Puerto Rican harlequin butterfly since its critical habitat is approximately 22,436 feet from the proposed project site. Since the land is currently used for agricultural purposes, the proponent has determined that the proposed project actions will have NE on palo de ramón.

We acknowledge receipt of your NE determination for palo de Ramón. Currently we do not have any information to refute your determination. Because you made a NE determination, you are not required to conduct formal or informal section 7 consultation with the Service, and the Service is not required to concur with your NE determination.

As for the Puerto Rican harlequin butterfly, we have reviewed the information provided in your letter and our files and concur with your determination that the proposed project may affect but is not likely to adversely affect the species. Also, the Service acknowledge receipt of the DKey consistency letter with the NE determination for the Puerto Rican boa.

Please be aware that the Puerto Rican harlequin butterfly measures were amended to clarify how they are appropriately applied. Therefore, the Service recommends the applicant to adopt the implementation of the below updated conservation measures for the proposed actions.

1. The contractor must inform all personnel about the potential presence of the Puerto Rican harlequin butterfly or its occupied host plant “prickly bush” (*Oplonia spinosa*) in the project areas. A pre-work meeting should inform all project personnel about the need to avoid harming this butterfly and its occupied host plant. Educational material (e.g., posters, flyers or signs with photos or illustrations of all the life stages of the Puerto Rican harlequin butterfly (i.e., eggs, caterpillar, chrysalids and adult, and its host plant) should be prepared and available to all personnel for reference.
2. Before starting any project activity, including removal of vegetation and earth movement, the contractor must clearly delineate the boundaries of the working area in the field to avoid unnecessary habitat impacts. Once the project areas are clearly marked, and before any work activity, including site preparation, personnel with knowledge and ability to identify the Puerto Rican harlequin butterfly (all life stages) and the “prickly bush” must survey the areas where the work will be performed for the presence of the species and its host plant. It is important to note that the Puerto Rican harlequin butterfly can be observed year-round in all its life stages; thus, oviposition (egg-laying) may occur at any time during the year.
3. If the “prickly bush” is present on the project site, try to avoid cutting it off, even if no eggs, caterpillars, or chrysalids are present.
4. If there is no prickly bush within the project area, and the butterfly is observed flying within the project area, do not harass, harm, pursue, wound, kill, trap, capture, collect, or attempt to engage in any such conduct, the species.
5. Adult butterflies are often observed flying near the host plant as part of their mating behavior and laying eggs. Project-related activities must stop if the prickly bush is found in the project area and the Puerto Rican harlequin butterfly is observed flying in that same area. A temporary 50-meter (164 feet) buffer zone of no activity or human disturbance should be established and clearly marked around that prickly bush until the butterfly moves out on its own.
6. Once the Puerto Rican harlequin butterfly has moved away, within a period of 24 to 36 hours, a search of the prickly bush that has been buffered should be conducted to determine the presence

- of any eggs, caterpillars, or chrysalids of the butterfly on the plant. The contractor or the Applicant should send a report of the observation and its findings to [caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov) after the 36-hour search is concluded.
7. If, after the initial search or after the 24 to 36-hour search, any life stage of the Puerto Rican harlequin butterfly is found in the prickly bush, take the following actions:
    - Clearly mark the host plant with flagging tape.
    - Establish a 10-meter (32-foot) buffer zone around the bush to protect it.
    - Eggs are typically found on the prickly bush's newly grown, tender branches. Once an egg hatches, the caterpillar moves and feeds throughout the bush. Therefore, avoid cutting off the prickly bush within the project site even if no eggs, caterpillars, or chrysalids are present.
    - Work within the 10-meter buffered area may resume when no signs of any live life stage of the butterfly are detected, which usually takes approximately 60 to 120 days.
  8. For all Puerto Rican harlequin butterfly sightings (all life stages), the time and date of the sighting and the specific location where the butterfly was found must be recorded. Data should also include a photo of the butterfly (if possible) and the habitat where it was observed, site GPS coordinates, and comments on how the butterfly was detected and its behavior. All Puerto Rican harlequin butterfly sighting reports should be sent to the USFWS Caribbean Ecological Service Field Office at [caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov).
  9. For questions regarding the Puerto Rican harlequin butterfly, the Point of Contacts are:
    - José Cruz-Burgos, Endangered Species Coordinator:
      - Mobile: 305-304-1386
      - Office phone: 786-244-0081
      - Office Direct Line: 939-320-3120
      - Email: [jose\\_cruz-burgos@fws.gov](mailto:jose_cruz-burgos@fws.gov)
    - Carlos Pacheco, Fish and Wildlife Biologist:
      - Mobile: 786-847-5951
      - Office Direct Line: 939-320-3113
      - Email: [carlos\\_pacheco@fws.gov](mailto:carlos_pacheco@fws.gov)

In view of this, we believe that requirements of section 7 of the Endangered Species Act (Act) have been satisfied. However, obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical

habitat in a manner that was not previously considered; (2) this action is subsequently modified in a manner not previously considered in this assessment; or, (3) a new species is listed, or critical habitat determined that may be affected by the identified action.

Thank you for the opportunity to comment on this project. If you have any questions or require additional information, please contact us via email at [caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov) or by phone at (786) 244-0081.

Sincerely yours,

Edwin E. Muñiz  
Field Supervisor



October 30, 2023

Mr. Edwin Muñiz  
Field Supervisor  
Fish and Wildlife Service  
Caribbean Ecological Services Field Office  
PO Box 491  
Boqueron, PR 00622  
Email: [caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov); [edwin\\_muniz@fws.gov](mailto:edwin_muniz@fws.gov)

**RE: Puerto Rico Department of Housing Re-Grow PR-RGRW-01802 Project – Yoksan Class Sánchez – Endangered Species Evaluation**

Dear Mr. Muniz:

The Puerto Rico Department of Housing is requesting an informal consultation under Section 7 (a)(2) of the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.) for the proposed project PR-RGRW-01802, located at PR-6685 Road Km 6.7, Río Arriba Saliente Ward, Manatí, PR 00674; Priefert chute: 18.378011, -66.48242; water well: 18.377637, -66.484181; fence: 18.378012, -66.484335 (Appendix A: Figures 1 & 2).

The project is part of the Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) that aims to increase agricultural capacity while promoting and increasing food security island wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities.

The proposed activities for PR-RGRW-01802 consist of the installation/construction a new 6-inch diameter and 300-feet-deep water well, and the purchase of a Priefert chute, cattle vehicle Ford F-450, scale, 5x8 fence posts, 3x6½ fence posts and fence materials. The installation of the water well and Priefert chute will require ground disturbance. The 6" water well will also be installed following the standards and regulations of the Puerto Rico Department of Natural and Environmental Resources (DNER). The power source will be provided by an existing intake from P.R.E.P.A/LUMA on the property. The project area is located at PR-6685 Road Km. 6.7 within the Municipality of Manatí. Based on a review of historical aerial imagery, the general area of the fencing location was characterized

as an agrarian setting in 1967 (the earliest imagery available for the area) and it remains predominantly agricultural through to the present day.

The Area of Potential Effect (APE) has been defined as the area potentially impacted by ground disturbing activities related to the installation of the new fence, Priefert chute and water well, see Appendix A: Figure 3.

**Existing Conditions and Trends:**

The proposed project parcel 080-093-600-28 is designated as farmland of statewide importance and other areas are designated as not prime farmland, see Appendix A: Figure 4. The project area is located in the rural mountainous area of Manatí. The project where the water well and Priefret chute will be installed has a flat topography, and the surface is covered with grass and shrubs, refer to Appendix C: Photo 1 & 2. The area where the fence will be installed has a steep topography and the surface is covered with grass and shrubs and trees, refer to Appendix C: Photo 3 & 4. In the project area the soil has been classified as Naranjo clay, 5 to 20 percent slopes (NaD). This soil is deep, sloping to moderately steep, and well drained. It is on the foot slopes and side slopes of limestone hills. The permeability of this Naranjo soil is moderate, and the available water capacity is high. Runoff is medium. The land has been used for agricultural uses for over 30 years and the proposed project will not change the land use associated with these placements. In addition, the closer Final Critical Habitat is located at 22,436 feet from the project location, see Appendix A: Figure 5.

Using the Information for Planning and Consultation (IPaC) system (Appendix B), we have determined that the proposed project lies within the range of the following federally listed species and critical habitats:

Name of species	Threatened/Endangered/Candidate
<b>Reptiles</b>	
Puerto Rican boa ( <i>Chilabothrus inornatus</i> )	Endangered
<b>Flowering Plants</b>	
Palo De Ramon ( <i>Banara vanderbiltii</i> )	Endangered
<b>Insects</b>	
Puerto Rican Harlequin Butterfly ( <i>Atlantea tulita</i> )	Threatened
<b>Critical Habitat</b>	
There is final critical habitat for Puerto Rican Harlequin Butterfly ( <i>Atlantea tulita</i> ). The project location does not overlap the critical habitat.	

Based on the nature of the project, scope of work, information available, a careful analysis of the IPaC, the Puerto Rico Boa conservation measures, the Caribbean Dkey dated October 16, 2023, in the US Fish and Wildlife Service's online IPaC application, and the observations during the field visit, were used to evaluate the potential impacts to federally listed species from this project. Based on that information and the answer inputted into the Dkey, it was determined that the proposed action will have "No Effect" determination on the Puerto Rican Boa and Palo de Ramon (*Banara vanderbiltii*) and a "Not likely to adversely affect" on the Puerto Rican Harlequin Butterfly (*Atlantea tulita*) see Appendix B.

Name of the species	Effect Determination	Conservation Measures that will be implemented
Puerto Rican boa ( <i>Chilabothrus inornatus</i> )	No Effect (NE)	USFWS Puerto Rico Boa Conservation Measures 2020
Palo De Ramon ( <i>Banara vanderbiltii</i> )	No Effect (NE)	No Conservation Measures
Puerto Rican Harlequin Butterfly ( <i>Atlantea tulita</i> )	Not likely to Adversely Affect (NLAA)	No Conservation Measures
<b>Critical Habitats</b>		
There is final critical habitat for Puerto Rican Harlequin Butterfly ( <i>Atlantea tulita</i> ). The project location does not overlap the critical habitat.		

In order to complete the informal consultation process, we are requesting your concurrence for the NLAA determination included in this letter. Attached to this letter, we are including the documents used to reach our effect determinations for the listed species. Should you require any additional information, please do not hesitate to contact us at the information below.

Thank you in advance for your consideration of this issue.

Cordially,



Juan Carlos Perez Bofill, PE, MEng.  
Director for Disaster Recovery, CDBG-DR Program  
[environmentcdbg@vivienda.pr.gov](mailto:environmentcdbg@vivienda.pr.gov) | 787.274.2527 ext. 4320

**Attachments:**

Appendix A:

- Figure 1 – Location Site Map
- Figure 2 – Topographic Map
- Figure 3 – Area of Potential Effect Map
- Figure 4 – Farmland Protection Map
- Figure 5 – Critical Habitats Map

Appendix B: Information for Planning and Consultation (IPaC)

Appendix C: Field Visit Photos

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

**References:**

Puerto Rican boa (*Chilabothrus inornatus*)

USFWS Puerto Rican boa Conservation Measures

<https://ecos.fws.gov/ecp/species/6628>

Puerto Rican Harlequin Butterfly (*Atlantea tulita*)

Species Profile for Puerto Rican harlequin butterfly (*Atlantea tulita*)

<https://ecos.fws.gov/ecp/species/9005>

Palo De Ramon (*Banara vanderbiltii*)

Species Profile for Palo De Ramon (*Banara vanderbiltii*)

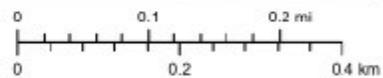
<https://ecos.fws.gov/ecp/species/8113>

## Appendix A: Figures

**Location: Aerial Map**  
 Puerto Rico Department of Housing ReGrow



- Legend**
- PR-RGRW-01802
  - PR-RGRW-01802 Fencing
  - PR-RGRW-01802 Parcel
  - CRIM Parcels



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 and Google Earth

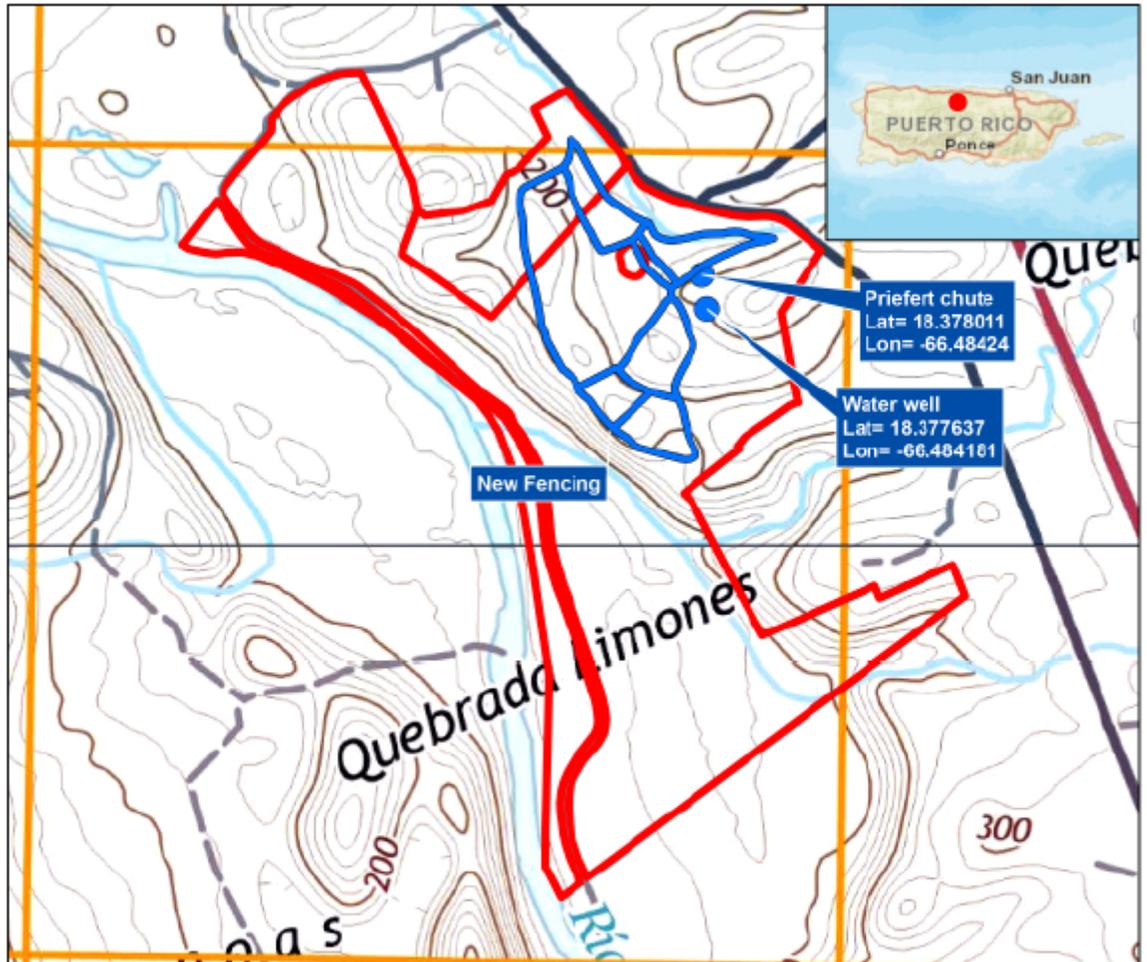


**Source**  
 Centro de Recaudación de Ingresos Municipales (CRIM)  
<https://catastro.crimpr.net/ccprpc/>

**Figure 1: PR-RGRW-01802 Location Map**

# Location: USGS Topographic Map

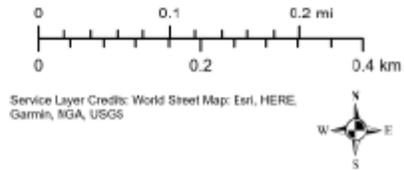
Puerto Rico Department of Housing ReGrow



**Legend**

- PR-RGRW-01802 Fencing
- PR-RGRW-01802
- PR-RGRW-01802 Parcel

Contour Interval 20 Feet



Service Layer Credits: World Street Map: Esri, HERE, Garmin, MGA, USGS

**Source**

United States Geological Survey (USGS)  
National Geologic Map Database  
[https://ngmdb.usgs.gov/ngmdb/ngmdb\\_home.html](https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html)

Figure 2: PR-RGRW-01802 Topographic Map

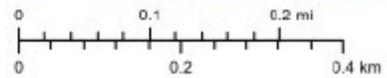
# Area of Potential Effect

## Puerto Rico Department of Housing ReGrow



**Legend**

- Area of Potential Effect
- PR-RGRW-01802 Parcel
- CRIM Parcels



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 and Google Earth



**Source**

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

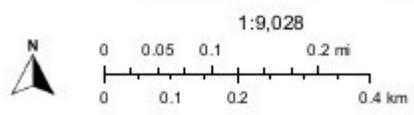
**Figure 3: PR-RGRW-01802 Area of Potential Effect Map**



**Application ID: PR-RGRW-01802**  
 YOKSAN CLASS SANCHEZ  
 Carr 6685 KM 6 H7  
 MANATI, PR 00674  
 Catastro: 080-093-600-28  
 Lat: 18.377637, Lon: -66.484181

9/6/2023, 11:47:49 AM

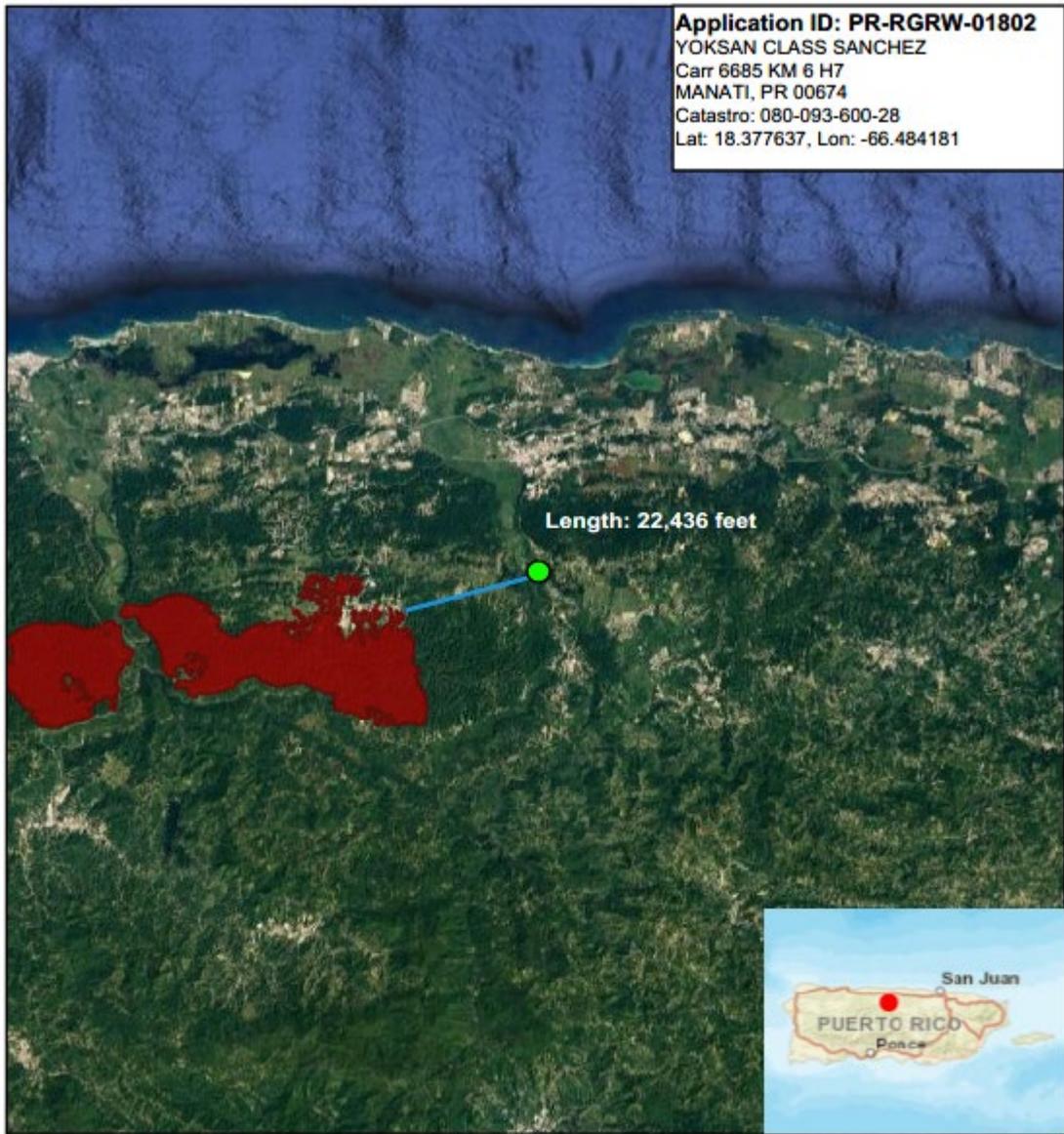
- Farmland Protection**
- All areas are prime farmland
  - Farmland of statewide importance
  - Not prime farmland
  - PR-RGRW-01802



**Source**  
 Natural Resources Conservation Service (NRCS)  
 Gridded Soil Survey Geographic Database (gSSURGO)  
<https://data.nal.usda.gov/dataset/soil-survey-geographic-database-ssurgo>

Mear | Google Earth Image 2021 © Mear Technologies. © Image 2021 CNES/Airbus | Google Earth | SGS National Map 3D Elevation Program (3DEP). July 18, 2023. | US Forest Service Enterprise BYA

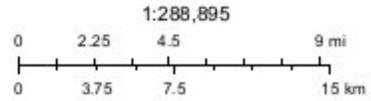
**Figure 4: PR-RGRW-01802 Farmland Protection Map**



9/6/2023, 11:42:51 AM

 USFWS Critical Habitat - Final

 PR-RGRW-01802



**Source**

National Oceanic and Atmospheric Administration (NOAA)  
 Office of Response and Restoration  
<https://response.restoration.noaa.gov/>

Figure 5: PR-RGRW-01802 Critical Habitats Map

## **Appendix B: Information for Planning and Consultation (IPaC)**



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Post Office Box 491  
Boqueron, PR 00622-0491  
Phone: (787) 834-1600 Fax: (787) 851-7440  
Email Address: [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:  
Project code: 2024-0005001  
Project Name: PR-RGRW-01802

October 16, 2023

Subject: Consistency letter for the project named 'PR-RGRW-01802' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On October 16, 2023, Patricia Carmenatty used the Caribbean DKey; dated October 12, 2023, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-RGRW-01802'. The project is located in Manatí County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.3778507,-66.48503060618856,14z>



The following description was provided for the project 'PR-RGRW-01802':

The proposed activities for PR-RGRW-01802 consist of installing/constructing a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials to install barbed wire fencing. Fence post will be set approximately 2 ft into the ground. The installation of the water well, new fencing, and Priefert chute will require ground disturbance. The 6" water well will also be installed following the standards and regulations of the Puerto Rico Department of Natural and Environmental Resources (DNER). The power source will be provided by an existing intake from P.R.E.P.A/LUMA on the property. The project area is located at PR-6685 km. 6.7 within the Municipality of Manatí. Based on a review of historical aerial imagery, the general area of the fencing location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area) and it remains predominantly agricultural through to the present day

Based on your answers and the assistance of the Service's Caribbean DKey, you determined the proposed Action will have "No Effect" on the following species:

Species	Listing Status	Determination
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Endangered	No effect

Thank you for informing the Service of your "No Effect" determination(s) for this project. No further consultation/coordination for this project is required for these species. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

This letter serves as documentation of your consideration of the federally listed species as required under section 7 of the ESA. However, effects to the other federally listed species or critical habitat as listed below from the "IPaC print-out for the project" (see below) should be considered as part of your ESA review for the project.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a "No Effect" (NE) determination for Federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NE concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

**Note:** Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species.** If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the

Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean\_es@fws.gov) to determine whether the consultation needs to be reinitiated.

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.

- Palo De Ramon *Banara vanderbiltii* Endangered
- Puerto Rican Harlequin Butterfly *Atlantea tulita* 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.

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## Action Description

You provided to IPaC the following name and description for the subject Action.

### 1. Name

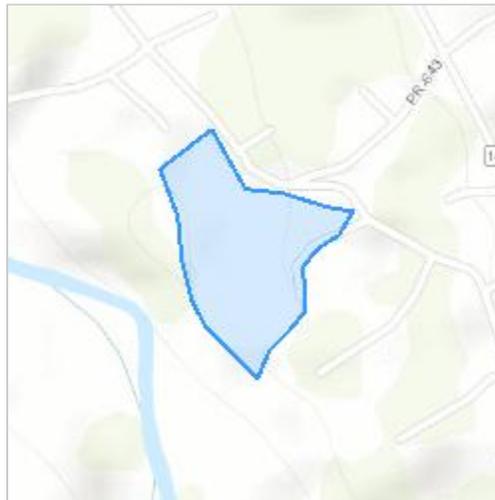
PR-RGRW-01802

### 2. Description

The following description was provided for the project 'PR-RGRW-01802':

The proposed activities for PR-RGRW-01802 consist of installing/constructing a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials to install barbed wire fencing. Fence post will be set approximately 2 ft into the ground. The installation of the water well, new fencing, and Priefert chute will require ground disturbance. The 6" water well will also be installed following the standards and regulations of the Puerto Rico Department of Natural and Environmental Resources (DNER). The power source will be provided by an existing intake from P.R.E.P.A/LUMA on the property. The project area is located at PR-6685 km. 6.7 within the Municipality of Manatí. Based on a review of historical aerial imagery, the general area of the fencing location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area) and it remains predominantly agricultural through to the present day

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.3778507,-66.48503060618856,14z>



## 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. .

*No*

3. Does the proposed project consist of rehabilitation or demolition of existing single-family homes and buildings?

*No*

4. Does the proposed project consist of improvements to existing facilities?

**Note:** Examples of facilities are occupied single family homes, and buildings; existing recreational facilities, including the installation of roofs to existing basketball courts, etc.

*Yes*

5. [Hidden Semantic] Does the proposed project intersect the Puerto Rican boa area of influence?

**Automatically answered**

*Yes*

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## **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

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## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Post Office Box 491  
Boqueron, PR 00622-0491  
Phone: (787) 834-1600 Fax: (787) 851-7440  
Email Address: [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:  
Project Code: 2024-0005001  
Project Name: PR-RGRW-01802

October 16, 2023

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:

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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

(787) 834-1600

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## PROJECT SUMMARY

Project Code: 2024-0005001

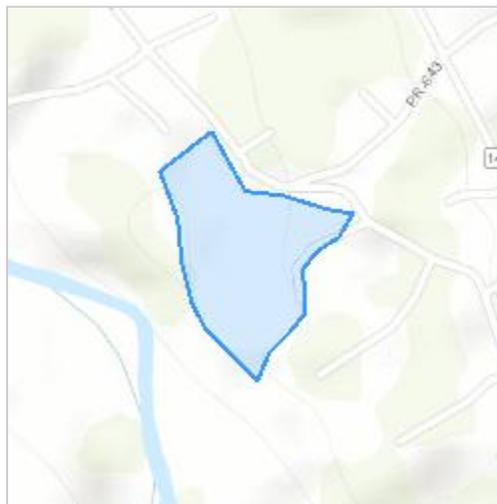
Project Name: PR-RGRW-01802

Project Type: New Constr - Above Ground

Project Description: The proposed activities for PR-RGRW-01802 consist of installing/constructing a new 6 inches diameter and 300 feet deep water well and the purchase of a Priefert chute, cattle vehicle F450, scale, 5x8 fence posts, 3x6-1/2 fence posts and fence materials to install barbed wire fencing. Fence post will be set approximately 2 ft into the ground. The installation of the water well, new fencing, and Priefert chute will require ground disturbance. The 6" water well will also be installed following the standards and regulations of the Puerto Rico Department of Natural and Environmental Resources (DNER). The power source will be provided by an existing intake from P.R.E.P.A/LUMA on the property. The project area is located at PR-6685 km. 6.7 within the Municipality of Manatí. Based on a review of historical aerial imagery, the general area of the fencing location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area) and it remains predominantly agricultural through to the present day

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.3778507,-66.48503060618856,14z>



Counties: Manatí County, Puerto Rico

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## 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.

## 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/5SCOHRUGJFWPFH22V2OI4UFVA/documents/generated/7140.pdf">https://ipac.ecosphere.fws.gov/project/5SCOHRUGJFWPFH22V2OI4UFVA/documents/generated/7140.pdf</a>	Endangered

## INSECTS

NAME	STATUS
Puerto Rican Harlequin Butterfly <i>Atlantea tulita</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/9005">https://ecos.fws.gov/ecp/species/9005</a>	Threatened

## FLOWERING PLANTS

NAME	STATUS
Palo De Ramon <i>Banara vanderbiltii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8113">https://ecos.fws.gov/ecp/species/8113</a>	Endangered

## CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

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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>1</sup> and the Migratory Bird Treaty Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats<sup>3</sup>, should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

- 
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)

THERE ARE NO BALD AND GOLDEN EAGLES WITHIN THE VICINITY OF YOUR PROJECT AREA.

## MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats<sup>3</sup> should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

- 
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)

THERE ARE NO FWS MIGRATORY BIRDS OF CONCERN WITHIN THE VICINITY OF YOUR PROJECT AREA.

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## 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.

WETLAND INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED.  
PLEASE VISIT [HTTPS://WWW.FWS.GOV/WETLANDS/DATA/MAPPER.HTML](https://www.fws.gov/wetlands/data/mapper.html) OR CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

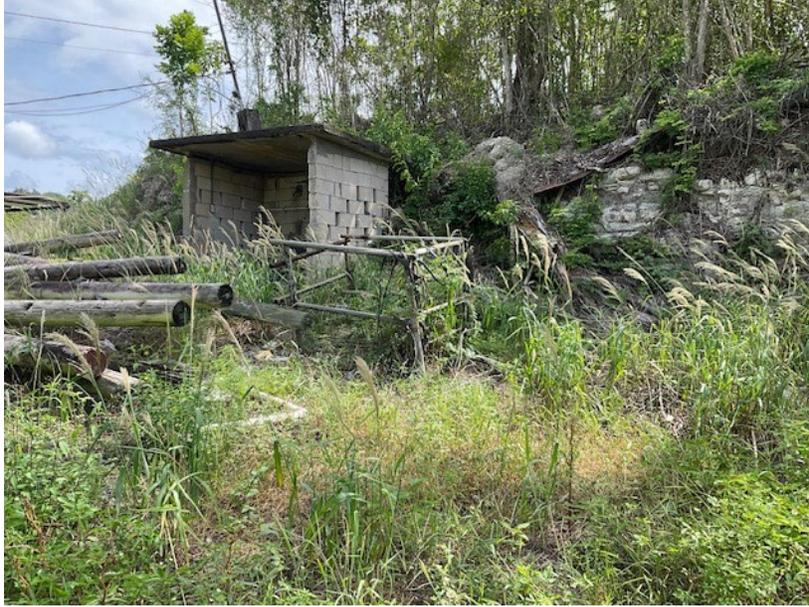
---

## **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

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## **Appendix C: Field Visit Photos**



**Photo #: 1**

**Description (include direction): General area where the water well will be installed, looking northeast.**

**Date: September 12, 2023**



**Photo #: 2**

**Description (include direction): General area where the Priefert chute be installed, looking southwest.**

**Date: September 12, 2023**



**Photo #: 3**

**Description (include direction): General area where the new fencing will be installed, looking northwest.**

**Date: September 12, 2023**



**Photo #: 4**

**Description (include direction): General area where the new fencing be installed, looking northeast.**

**Date: September 12, 2023**