

# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project ID:** PR-RGRW-02735

**Project Name:** Agrojibaro LLC

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

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

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

**Preparer:** Gabriela Rodríguez

**Certifying Officer Name and Title:** Permit and Compliance Officer: Pedro A. De León Rodríguez.

**Consultant** (if applicable): Tetra Tech, 251 Calle Recinto Sur, Ste. 202, San Juan, PR 00091

**Direct Comments to:** PRDOH (environmentcdbg@vivienda.pr.gov)

#### **Project Location:**

The property is a 56.4-acre site located at Carr. PR-853 Km 11.3 Bo. Barrazas in the Municipality of Carolina, Puerto Rico (Parcel ID# 174-000-001-89-000). The coordinates of the project site are 18.301502, -65.936519.

This land is in use for agricultural purposes with the growing of recaó using greenhouse system.

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

The scope of work for this project includes the purchase of a tractor and two greenhouses. The applicant plans to purchase and install two greenhouses for the crop of recaó. The Scope of Work 1 (SOW-1) is the installation of a 100-foot (ft) x 32 ft metal greenhouse structure with plastic and saran cover. The greenhouse will be anchored to the ground with 2 inches diameter pillars. Greenhouse front and side pillars are reinforced by a ratchet fixed to the ground to a maximum depth of 3 ft and attached to the top of each pillar with Galvanized Cord. Lateral and central pillar spacing varies depending on the greenhouse size. In average, lateral pillar spacing is 8 ft and central pillar spacing is 15 ft. The proposed greenhouse will require at least 34 posts. The greenhouse will be

installed on bare soil, no ground cover or concrete pad is included as part of the SOW. The structure is proposed to be installed on an available space area with approximate dimensions of 120 ft x 60 ft, located at coordinates 18.301694, -65.936497. Clearing and grading activities are required.

The Scope of Work 2 (SOW-2) is the installation of a second 100 ft x 32' metal greenhouse structure with plastic and saran; the greenhouse will be anchored to the ground with 2 inches diameter pillars. Greenhouse front and side pillars are reinforced by a ratchet fixed to the ground to a maximum depth of 3 feet and attached to the top of each pillar with Galvanized Cord. Lateral and central pillar spacing varies depending on the greenhouse size. In average, lateral pillar spacing is 8 ft and central pillar spacing is 15 ft. The proposed greenhouse will require at least 34 posts. The greenhouse will be installed on bare soil, no ground cover or concrete pad is included as part of the SOW. This greenhouse will be located at coordinates 18.301403, -65.936221, adjacent to the back of the existing greenhouse. The available space for the installation of the new structure is approximately 110 ft x 50 ft. Clearing and grading activities are required.

No power connections are needed. The water supply comes from rainwater stored in existing tanks using rain harvesting techniques. The new greenhouses will be connected using aboveground PVC tube pipes. No anchoring of pipes is anticipated. Vegetation clearing and minimal ground leveling is anticipated at both locations. No removal of trees is anticipated.

The visual APE is the viewshed of the proposed project. The APE for the proposed project is approximately 0.37 acres.

Site photos are included in **Appendix A**. A site map (Figure 1) is included in **Appendix B**.

#### **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. The purpose of this project is to increase the productivity of the farm. This agricultural project associated with the purchase and installation of two new greenhouses and the purchase of a tractor is keeping with the overall objectives of the Economic Development Program.

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

The land proposed for the installation of the two greenhouses is used for agricultural purposes. Therefore, there is no change in land use associated with the project. Some ground disturbance will be required.

#### **Structure of this Environmental Review Report (ERR).**

This ERR discusses the Funding Information immediately below. The environmental impacts of the proposed action are discussed in the Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities checklist and Environmental Factors checklist. The listing of Additional Studies Performed, and Sources, Agencies and Persons Consulted follows the checklists. The discussions of Public Outreach, Cumulative Impacts, Alternatives, and Summary of Findings and Conclusions are presented at the end of the ERR, before the listing of Mitigation Measures and Determination signatures. The appendices contain detailed information.

- Appendix A – Site Inspection
- Appendix B – Maps
- Appendix C – Additional Documentation
- Appendix D – Endangered Species
- Appendix E – SHPO Consultation

**Funding Information**

Grant Number	HUD Program	Funding Amount
B-17-DM-72-0001,	Community Development Block Grant – Disaster Recovery (CDBG-DR) CDBG-DR, Re-Grow Puerto Rico Urban-Rural Agricultural Program	\$11,938,162,230
B-18-DP-72-0001,		
B-19-DP-78-0002,		
B-18-DE-72-0001		

**Estimated Total HUD Funded Amount:** \$144,333.54

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$144,333.54

**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>		

<p><b>Airport Hazards</b></p> <p>24 CFR Part 51 Subpart D</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The nearest civil airport, “Aeropuerto Fernando Luis Ribas Dominicci”, is approximately 78,498 feet from the proposed site. The nearest military airport, “Aeropuerto Internacional Luis Muñoz Marín”, is approximately 52,127 feet from the proposed site. The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The project is in compliance with Airport Hazards requirements. Refer to Figure 2 in <b>Appendix B.</b></p>
<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>Puerto Rico has various Coastal Barrier Resources Systems (CBRS). The project is in northeast Puerto Rico. The distance to the nearest CBRS unit is 38,602 feet. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. Refer to Figure 3 in <b>Appendix B.</b></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 site is located in Zone X, area of minimal flood hazard, as per Floodplain Insurance Map panels 72000C0765J and 72000C0770J, both with effective date November 18, 2009. This project is in compliance with Floodplain Insurance requirements. (See Figures 4 and 5 in <b>Appendix B.</b>)</p>

<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</b>		
<p><b>Clean Air</b></p> <p>Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a county or air quality management district that is in attainment nor in non-attainment status for any criteria pollutants. The Municipio of Carolina is not listed in the EPA Green Book “Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants” (See the List in Appendix C). The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. Project would have no impact on air quality. The</p>



		project is in compliance with Clean Air Act. Refer to EPA listing in <b>Appendix C</b> .
<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 32,760 feet from the nearest Coastal Zone Management area and does not affect a Coastal Zone as defined in the PR Coastal Zone Management Plan. The project is in compliance with the Coastal Zone Management Act. See Figure 7 in <b>Appendix B</b>.</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>A site visit conducted on May 31, 2023, no debris or rubbish or visible signs vegetative stress, contamination, or toxic substances were identified at the project site. The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor.</p> <p>Site contamination was evaluated through online data searches to determine if toxic sites are located within 3,000-feet of the proposed project.</p> <p>Puerto Rico Aggregates, a CAA listed site with no violations over the past three years and DM MFG of Mattress, a RCRA facility considered inactive with no violations over the last 3 years, are both identified, at the same location, at an estimated distance of 550 feet to the west of the project site. Villas del Gigante is a CWA site, 494 ft to the southwest of project location. According to the ECHO report, the site is in noncompliance with several violations identified over the past three years.</p> <p>Refer to the Site inspection report and photos in <b>Appendix A</b>, Figures 8 and 9 in <b>Appendix B</b> and, See ECHO report in <b>Appendix C</b>. The project is in compliance with Contamination and Toxic Substances.</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 consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed location of project is an area that has been used for agricultural purposes.</p>

		<p>According to EPA NEPAassist Enviromapper, the nearest critical or proposed critical habitat is 27,954 feet to the southeast of the project location. The Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website lists the Puerto Rican Boa as being able to be found in the area, but there are no critical habitats for them at this location.</p> <p>A site-specific review of endangered species was conducted in accordance with the Fish and Wildlife Act (47 Stat. 401, as amended: 16 U.S.C. 661 et seq.) (See <b>Appendix D</b>).</p> <p>The proposed project will have No Effect on listed species or habitats. Based on the nature of the project, scope of work, information available, and a careful analysis of the Project Site, and IPaC species list, it was determined that there would be No Effect for any of the listed species.</p> <p>If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFWS Puerto Rican Boa Conservation Measures guidelines.</p> <p>Refer to Figures 10 and 11 in <b>Appendix B</b> and the Endangered Species Package in <b>Appendix D</b>. This project is in compliance with the Endangered Species Act.</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>The project does not include development, construction, or rehabilitation that will increase residential density.</p> <p>The project is in compliance with Explosive and Flammable Hazard requirements.</p> <p>Refer to site visit report in <b>Appendix A</b>.</p>
<p><b>Farmlands Protection</b></p> <p>Farmland Protection Policy Act of 1981, particularly</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The project site is not designated as farmland of statewide importance or prime farmland. The project does not include</p>

<p>sections 1504(b) and 1541; 7 CFR Part 658</p>		<p>any activities that could potentially convert agricultural land to nonagricultural use. Although the project includes new construction, the project is exempt from review under the Farmland Protection Policy Act (FFPA) as the project is limited to construction of on-farm structures needed for farm operations. No further review is required.</p> <p>This project is in compliance with the Farmland Protection Policy Act. Refer to Figure 12 in <b>Appendix B.</b></p>
<p><b>Floodplain Management</b></p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes    No <input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a 100-year floodplain per Floodplain Insurance Map panels 72000C0765J and 72000C0770J, both with effective date November 18, 2009. The project site is not located in Advisory Base Flood Elevation (ABFE) special flood hazard area. The proposed project is located in the municipality of Carolina; However, the proposed project is not within an area where a PFIRM was developed. Therefore, PFIRM was not considered in the review.</p> <p>This project is in compliance with Executive Order 11988. See Figures 4, 5 and 6 in <b>Appendix B.</b></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 <input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The site was evaluated on October 12, 2023, by an SOI Qualified Architect/Architectural Historian. Additionally, the site was evaluated on October 12 and 26, 2023, by an SOI Qualified Archaeologist. According to evaluation the only previously recorded archaeological site within a 0.5 mile radius of the project area is the CA-8, which was located 0.19 miles west of the project area but unfortunately has been destroyed. SHPO concurred with a finding of <b>No Historic Properties Affected</b> within the project's Area of Potential on Effects on November 22, 2023.</p> <p>Refer to Figure 13 in <b>Appendix B</b> and the Section 106 Consultation Package in <b>Appendix E.</b> This project is in compliance with Historic Preservation requirements.</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>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. HUD's noise regulations protect residential properties from excessive noise exposure. HUD noise regulations do not apply as the project does not include new construction for residential use or rehabilitation of an existing residential property. The proposed project is in compliance with Noise Abatement and Control.</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 Aquifer requirements. The nearest Sole Source Aquifer is 5,505,144 feet to the northwest of the project site. Refer to Figure 17 in <b>Appendix B</b>.</p>
<p><b>Wetlands Protection</b></p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The north coast is 52,140 feet north of the property. The closest fresh-water bodies include an unnamed creek inside the parcel 200 feet to the southeast of SOW-2 proposed location, an unnamed creek at 940 feet to the southeast of SOW-2 APE, and the Quebrada Maracuto 1,420 ft southwest of the property.</p> <p>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor.</p> <p>The unnamed creek inside the parcel is identified as a riverine wetland in the NWI map. This creek is located at an estimated distance of 200 ft to the SOW-2 APE.</p> <p>Standard construction BMPs would be used to control erosion and runoff during construction. An undisturbed natural buffer equal or greater than 50 feet, supplemented by standard construction BMPs, and erosion and sediment controls will be kept at all times during ground disturbance activities. APE will be clearly delimited prior to the initiation of the construction activities. With these mitigations the construction of the 2 greenhouses would not</p>

		<p>impact the wetlands and includes no activities that would require further evaluation under this section. Wetland area will remain as is. The purchase of a tractor will have no effect on wetlands.</p> <p>The project is in compliance with Executive Order 11990. Refer to Figure 14 in <b>Appendix B</b>.</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 a National Wild and Scenic River (WSR). The distance to the nearest WSR is approximately 49,545 feet. The project is in compliance with the Wild and Scenic Rivers Act. Refer to Figure 15 in <b>Appendix B</b>.</p>

<b>ENVIRONMENTAL JUSTICE</b>		
<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>No adverse environmental impacts were identified in any other compliance review portion of this project that may disproportionately be high for low-income and/or minority communities. Therefore, this topic complies with Executive Order 12898.</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 project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project is located on a private farm. The project site is s zoned as “Residencial Rústico Cero (RR-0)”. The proposed action is compliant with the current agricultural land use of the Project area.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	<p>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project is located in a rolling terrain, used for agricultural purposes, with the growing of recao. Soils in the proposed project area are classified as Caguabo clay loam (CbF), 20 to 60 percent slopes, surrounded by farmland with young secondary forest vegetation cover, 210-240 meters above mean sea level.</p> <p>Projects larger than 1 acre must comply with the CWA and develop a SWPPP with the NPDES. The proposed project area is approximately 0.37 acres.</p> <p>The project will require some clearing, grading and brushes cutting activities.</p> <p>The project site area is rated “moderate” for landslide susceptibility (see Figure 16 in <b>Appendix B</b>).</p> <p>There will be little to no additional runoff associated with the project.</p>
Hazards and Nuisances including Site Safety and Noise	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. During implementation of the project, construction activities may result in temporary elevation of ambient noise levels in immediate areas around active construction areas. The only nearby receptors are the residents of the farm. There is no access to the project area by the public. Standard BMPs, such as construction fencing, would be applied to protect the farm residents and public from typical construction hazards.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>SOCIOECONOMIC</b>		
Employment and Income Patterns	2	<p>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. Temporary employment of workers related to construction activities would result, but no new permanent jobs would be created as a result of this project. These workers are expected to come from the local region. However, since the project will include an economic component, it may aid in restoring some employment opportunities and increase income.</p> <p>The proposed project would not negatively impact employment or income patterns.</p>
Demographic Character Changes, Displacement	2	<p>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project would not result in demographic character changes or displacement. Given the nature of the project area, no relocations or demolition of residential structures or businesses would occur as part of this project.</p>
Environmental Justice	2	<p>In the area (one mile radius) in which project will occur.</p> <p>100% are people of color compared to PR average of 96%</p> <p>68% are low income compared to PR average of 70%</p> <p>11% are unemployed compared to PR average of 15%</p> <p>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. This project will result in restoration and increase in income and potential employment opportunities in the local area. The impacts would be beneficial.</p> <p>See EJSscreen Report in <b>Appendix C</b></p>

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>COMMUNITY FACILITIES AND SERVICES</b>		
Educational and Cultural Facilities	2	<p>The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The project would</p>

		not result in any change to regional or local area educational and cultural facilities or increase demand for them.
Commercial Facilities	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The agricultural activity of the project property will improve. Other commercial facilities would not be impacted by the proposed project.
Health Care and Social Services	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. Health care and social services facilities would not be impacted by the proposed project. The project would not increase demand for health care and social services facilities.
Solid Waste Disposal / Recycling	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor.  Waste vegetation from clearing activities will either be composted on site or at regional composting centers. Soil from grading would be recycled on the farm as fill. Left over construction materials that could be reused on the farm (e.g., piping, structural materials, greenhouse covering fabrics) would be stored for later use. The remaining construction solid waste materials would be collected for transport to the local landfill. The amount of impact of solid waste resulting from the construction of the proposed project would be minor. During operations, the products and by-products would be agricultural, which waste would be biodegradable. Other waste components related to the operation of the proposed project includes recyclable materials such as plastics and cardboard. Recyclables will be set aside and dispose according to the local recycling management plan. The remaining municipal solid waste would be collected for the transport to the local landfill.
Wastewater / Sanitary Sewers	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project would not include any bathrooms, wastewater, or sewage facilities. Current farm conditions would remain unchanged.
Water Supply	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The water supply comes from rainwater stored in tanks using rain harvesting techniques. The new greenhouses will be connected using aboveground PVC tube pipes.



Public Safety – Police, Fire and Emergency Medical	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project would not create any new demand for emergency or health services.
Parks, Open Space and Recreation	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project would not create or destroy any new parks, open space, or recreational activities. It also would not increase use of those facilities.
Transportation and Accessibility	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project would not involve the creation of new roads nor any increase in long-term traffic on existing roads. There would be some minor use of the existing road during construction. All residents and businesses would retain access to their properties during and after the project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>NATURAL FEATURES</b>		
Unique Natural Features, Water Resources	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project will be situated on land previously used for agricultural purposes. The APE of the SOW-2 is at an estimated distance of 200 ft to the southeast of the identified unnamed creek, inside of the parcel. Natural vegetation buffer zone of equal or greater than 15 meters (50 ft) will be maintained, at all times. No cortex removal, ground disturbances, earth movement, or constructions activities are contemplated nearby a unique natural features or water resources. The proposed project will have no impact to unique natural features or water resources.
Vegetation, Wildlife	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project will occur on land previously used for agricultural purposes and will continue in that capacity.  All vegetative exceedance material resultant from the clearing activities will be disposed as per the Municipal vegetative material management and diversion plan. No vegetative material will be stored or left at site. The proposed project will have minimal impact on vegetation and no impact on wildlife.

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Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>CLIMATE AND ENERGY</b>		
Climate Change Impacts	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. This is a small agricultural project with no measurable impact on climate change factors. The project area is rural and does not have urban heat island effects. There would be no changes to the site configuration or structure that would specifically address the possibility and uncertainty of rising sea levels or the possibility of increases in rainfall intensity. With respect to climate change impact on the project, agricultural activities could be affected by drought.
Energy Efficiency/Energy Consumption	2	The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The proposed project is an agricultural project that does not involve energy use. The project would not be connected to the local electricity provider. There would be no change in energy demand in the area.

**Additional Studies Performed:** None required.

**Field Inspection** (Date and completed by):

Site inspection was conducted on May 31, 2023 by Carlos Medina.

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

Puerto Rico State Historic Preservation Office

FAA, National Plan for Integrated Airport Systems:

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

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/ecp/report/species-listings-by-state?stateAbbrev=PR&stateName=Puerto%20Rico&statusCategory=Listed>

Federal Emergency Management Agency, Flood Mapping Service:  
<https://msc.fema.gov/portal/home> (compilation of numerous maps)

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)

Puerto Rico Coastal Zone Management Program Plan, September 2009.

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

US Geological Survey, Data Release of May Showing Concentration of Landslides Caused by Hurricane Maria,  
[www.sciencebase.gov/catalog/item/59de6459e4b05fe04ccd39d8](http://www.sciencebase.gov/catalog/item/59de6459e4b05fe04ccd39d8)

#### **List of Permits Obtained:**

None

#### **Public Outreach** [24 CFR 58.43]:

The local community has been very proactive in the recovery process. Puerto Rico Department of Agriculture has worked closely with the agricultural community. The 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 proposed project. The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The growth of agricultural products at the farm would increase. The project would allow more efficient processing of the agricultural products. Water use would increase to a minor degree in the new greenhouses but would only impact the existing site water supply. No power connection is proposed. There are no wells nearby to be affected.

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

The RGRW Program's goal is to increase agricultural capacity while promoting and increasing food security island-wide. This Program seeks to enhance and expand agricultural production related to economic revitalization and sustainable development activities. The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. The applicant submitted a proposal to enhance and expand agricultural production on their property. The proposed use of grant funds will allow the applicant to expand the cultivation, processing, and delivery of agricultural products. The actions are proposed in an area that has been used for agricultural purposes. Among the possible impacts of alternative location, the location of the proposed SOW's off property will require transportation of equipment and products in and out of the property creating an increase in traffic and other vial impacts due to the transportation of materials and heavy equipment. Alternative locations off and on property may represent an impact to undisturbed and/or uneven ground, sloped terrain or within forested areas, which could require heavier clearing and grading activities. Any alternative that would involve an off-property location might require the purchase of land, the need for storage area, the movement of products, equipment, infrastructure, water and power utility connections, among others, representing an additional cost. An off-property alternative will not enhance and expand agricultural production or allow for the economic development for this applicant. Given the above-mentioned possible impacts of an alternative location, an off-property alternative was not selected.

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

The project consists of the purchase and installation of two new greenhouses and the purchase of a tractor. Under the No Action Alternative, the applicant would not receive federal funding for the proposed action, 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 environment nor is there the requirement for further consultation with federal agencies associated with the topics evaluated above. There are no environmental review topics addressed above that result in the need for additional formal compliance steps with federal agencies or the requirement for mitigations other than those listed below. There may be additional approvals or permits from local agencies. For example, permits may be required from PRDNER for any water or other utility connections and the Office of Permit Management (OGPe) is responsible for granting permits, licenses, certifications, consultations, construction, and any other procedure necessary for business development and land use in Puerto Rico. The appropriate and necessary permits should

be obtained by the applicant and/or contractor, from the appropriate Department or concerned agency, prior to construction activities.

**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.

The environmental review topics addressed in this environmental review include all formal compliance steps with federal agencies and mitigations (listed in table below) needed for compliance with 24 CFR 58.

Any permits or approvals that have been issued during the preparation of this environmental review have been included in the evaluation of impacts and mitigations. Any special permit conditions or requirements associated with these permits are listed in the Mitigation Measures and Conditions table below.

Law, Authority, or Factor	Mitigation Measure
Wetlands Protection	Standard construction BMPs would be used to control erosion and runoff during construction.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Standard construction BMPs would be used to control erosion and runoff during construction.
<b>Permits or Agency Approvals Required</b>	
Permit or Approval	Permit Conditions
Ground disturbance	Projects whose earthworks are more than 40 m <sup>3</sup> must submit an Incidental Permit. The permit must be submitted via the Single Business Portal to the OGPe to be evaluated and physicalized by the Water Quality Division of the PRDNER. Any necessary permits should be obtained by the applicant and/or contractor prior to construction activities.
Clearing activities	Activities involving the excavation or movement of any component of the terrestrial cortex material that exceeds five hundred (500) cubic meters and up to a maximum of five thousand (5,000) cubic meters require the submittal and approval of a Simple Terrestrial Cortex Removal Permit. Applications are submitted via the Single Business Portal of the OGPe to be evaluated and physicalized by terrestrial Cortex Extraction Permit Division of the PRDNER.

**Determination:**

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

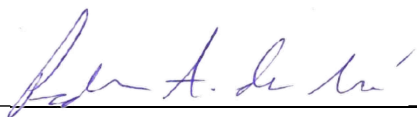
The project will not result in a significant impact on the quality of the human environment.

**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: 2/28/2024

Name/Title/Organization: Gabriela Rodríguez, Senior Environmental Scientist, Tetra Tech Inc.

Certifying Officer Signature:  \_\_\_\_\_ Date: 5/29/2024

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).

# **APPENDIX A**

## **Site Inspection and Photos**

## Environmental Field Observation - Puerto Rico Department of Housing

APPLICANT INFORMATION			
Application ID	PR-RGRW-02735		
Applicant Name	Agrojibaro LLC		
Property Address	CARR 851 KM 1.4 INTERIOR CAMINO JULIN CRUZ BO LA GLORIA		
Parcel ID	----		
Coordinates	18.301502, -65.936519		
Inspector Name	Carlos O. Medina		
Inspection Date	05/31/2023		
Building Type	vacant		
Number of Units	0		
Number of Stories	0		
Year Built; Data Source	----; Historian		
ENVIRONMENTAL OBSERVATIONS (attach photos and notes, as necessary, for any YES answers)			
OBSERVATION ITEMS	YES	NO	COMMENTS
A. Is the structure in use?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Greenhouse of 100' x 32' in use for recao.
B. Is structure a greenhouse?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Greenhouse of 100' x 32' in use for recao.
C. Is Electricity connected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D. Is water connected? (Utilities or Well)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
1. Are there signs of <b>poor housekeeping</b> on site? (mounds of rubble, garbage, storm debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Are there any <b>55-gallon drums</b> visible on site? If yes, are they leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Are there any (or signs of any) <b>underground storage tanks</b> on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Are there signs of <b>ASTs</b> on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2 x 200 gallons, water 1 x 300 gallons, water 2 x 1000 gallons, water 1 x 5 gallons, gasoline
5. Is there any <b>stained soil or pavement</b> on the parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Is a water <b>drainage system</b> in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is a warehouse in use for storage of <b>Fertilizer or Pesticides</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Are there any <b>groundwater monitoring wells</b> on the site or adjacent parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



9. Is there evidence of a <b>faulty septic system</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Is there <b>distressed vegetation</b> on the parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11. Is there any visible indication of <b>MOLD</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12. Is there any visible evidence of <b>asbestos, chipping, flaking or peeling paint, or hazardous materials</b> present in or on the structure?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. Are any <b>additional site hazards</b> observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14. Is there any <b>permanent standing water</b> , such as a pond or stream, located on the site (do not include ponding from recent rain / weather events)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
15. Does the subject property have <b>water frontage</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
16. Is there any indication of the presence of <b>Wetlands</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
17. Are there any obvious signs of <b>animals or birds nesting</b> on or near the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
18. Is the applicant aware of any <b>significant historical event or persons</b> associated with the structure, or of it being located in a historic district/area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
19. Is a <b>historic marker</b> present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Notes:

Re Grow Additional Notes: Template  
Case: PR-RGRW-02735  
Project Name: Agrojibaro LLC  
Coordinates: 18.301502, -65.936519

Is the field graded? For what purpose the field was graded? Month, Year: field is not graded

Scope of Work: Purchase of tractor and greenhouses.

Land current in use for: recao crop in greenhouse system

Past Land use was: cattle 50 years ago

The applicant plans to do: construction of two greenhouses

Where the applicant plans to do the ground disturbances for the scopes of work, add the coordinates, descriptions and approximately the measurements:

Scope of work 1: 18.301694, -65.936497  
Construction of a greenhouse of 100' x 32' in metal, plastic and seran. This greenhouse will be for recao. Available terrace approximately of 120' x 60'.

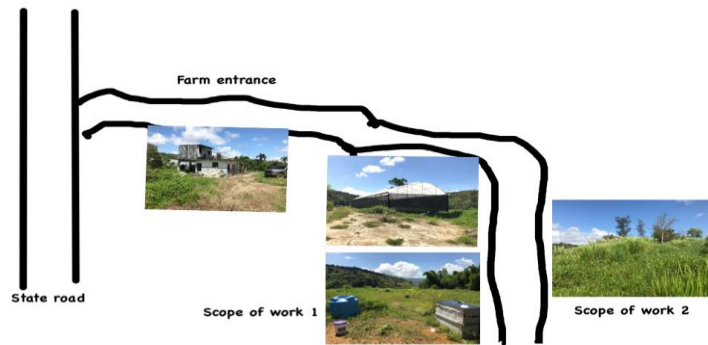
Scope of work 2: 18.301403, -65.936221  
Construction of a greenhouse of 100' x 32' in metal, plastic and seran. This greenhouse will be for recao. This greenhouse will be adjacent to the back from the actual greenhouse in use. Available terrace approximately of 110' x 50'.

Any new water connection or power connection?

No water neither power is needed.

Water is collected from the rain and transported from a community tank through water tanks. For the new greenhouses the water connections will be in PVC tube overground.

## Site Sketch



**Front of Structure**

Photo Direction: East



**Facing Away From Front**

Photo Direction: West





**Side #1 of Structure**

Photo Direction: East



**Facing Away From Side #1**

Photo Direction: West



**Back of Structure**

Photo Direction: Northwest



**Facing Away From Back**

Photo Direction: Southeast





**Side #2 of Structure**

Photo Direction: East



**Facing Away From Side #2**

Photo Direction: West



**Streetscape #1**

Photo Direction: Northwest



**Streetscape #2**

Photo Direction: North





**Address**

Photo Direction: North





Outbuildings

Photo Description: Outbuilding

Photo Direction: Southwest



Outbuildings

Photo Description: Warehouse

Photo Direction: Southwest



Outbuildings

Photo Description: Warehouse for the tractor

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: East





Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: East





Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest





Structural Details

Photo Description: Architectural details

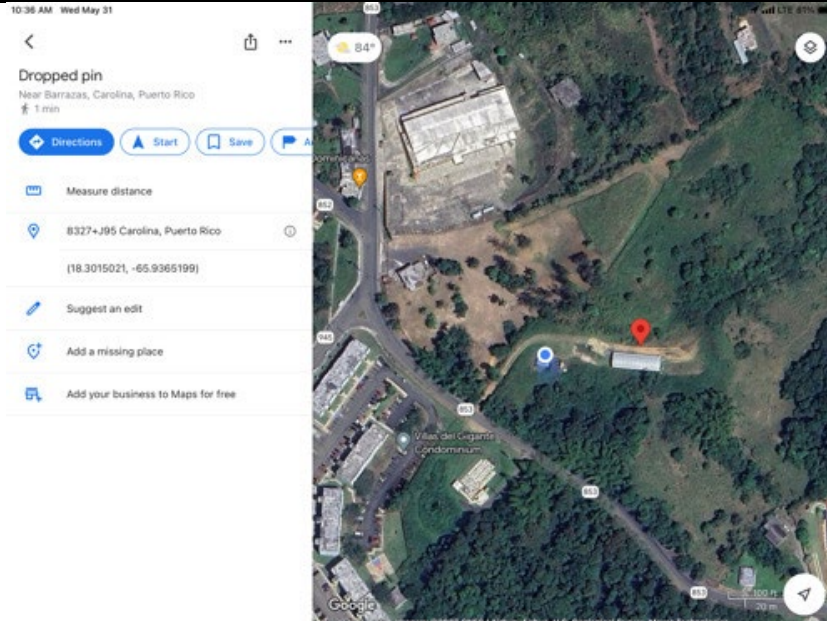
Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: North





Structure Occupied

Photo Description: Greenhouse in use

Photo Direction: West



Greenhouse Photos

Photo Description: Greenhouse in use

Photo Direction: Northwest



**Greenhouse Photos**

Photo Description: Greenhouse in use

Photo Direction: East



Aboveground Storage Tanks

Photo Description: Water tanks

Photo Direction: West



Aboveground Storage Tanks

Photo Description: Water tank

Photo Direction: Southwest





Aboveground Storage Tanks

Photo Description: Gasoline tank

Photo Direction: West



Aboveground Storage Tanks

Photo Description: Water tanks

Photo Direction: Northeast



**Scope Of Work**

Photo Description: Scope of work 1: construction of a greenhouse

Photo Direction: West



**Scope Of Work**

Photo Description: Scope of work 1: construction of a greenhouse

Photo Direction: West





**Scope Of Work**

Photo Description: Scope of work 1: construction of a greenhouse

Photo Direction: North



**Scope Of Work**

Photo Description: Scope of work 2: construction of a greenhouse

Photo Direction: Southeast



**Scope Of Work**

Photo Description: Scope of work 2: construction of a greenhouse

Photo Direction: Southwest



**Scope Of Work**

Photo Description: Scope of work 2: construction of a greenhouse

Photo Direction: West





Scope Of Work

Photo Description: Scope of work: Map reference

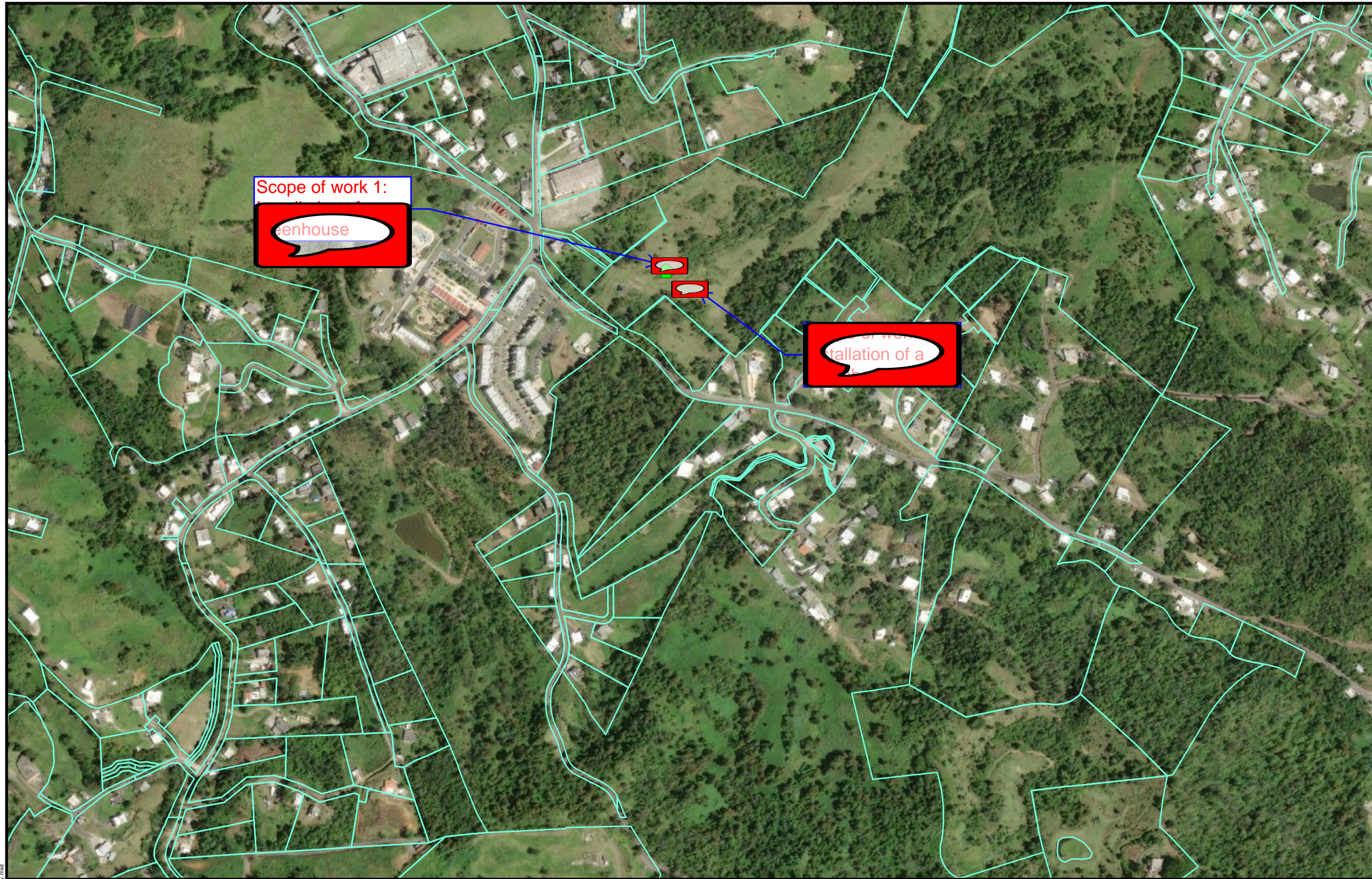
Photo Direction: North




# APPENDIX B

## Maps





- Legend**
-  Project Parcel
  -  Parcels
  -  Area of Potential Effect

**PUERTO RICO**



**Figure 1: PROJECT LOCATION**

**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976

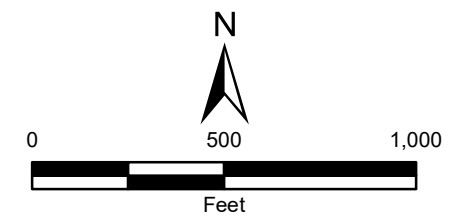
Name of Development: Agrojibaro LLC

Parcel Coordinates: 18.301502 , -65.936519



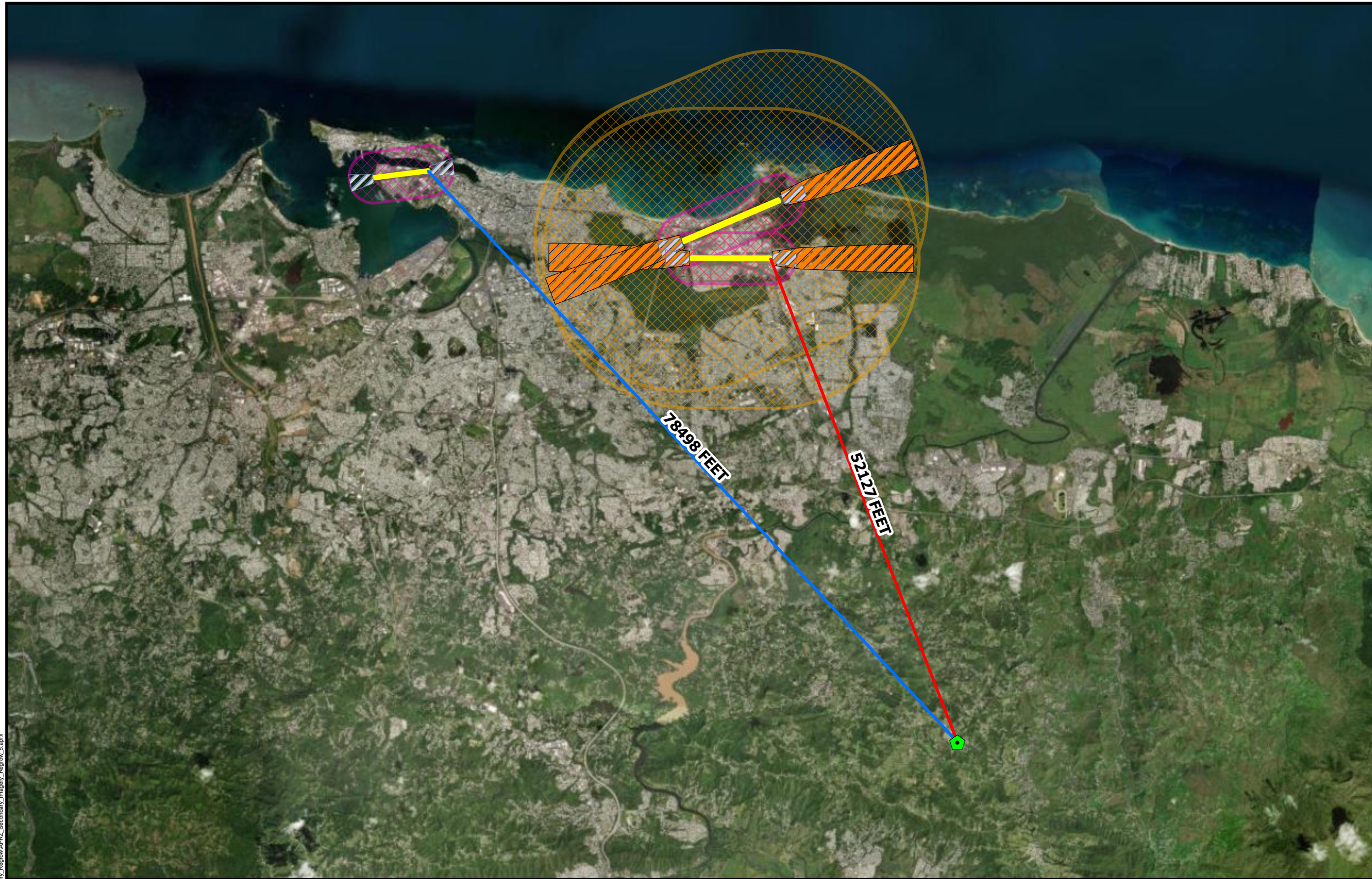
Source: CRIM  
<https://catastro.crimpr.net/cdprpc/>

Author: TG Date: 2/23/2024



File Path: Z:\data\USRT\Tet\PR\CDPR\Region\_Secundary\_Images.mxd





**Legend**

-  Project Parcel
-  Civilian Runway Protection Zones
-  Military Accident Potential Zones
-  Airport Runways
-  Civilian Airport 2,500 Feet Buffer
-  Military Airport 15,000 Feet Buffer

**Distance to Nearest Airport  
in Feet: 52,127**

**Distance to Nearest Civilian Airport  
in Feet: 78,498**

**Distance to Nearest Military Airport  
in Feet: 52,127**

**PUERTO RICO**



**Figure 2: AIRPORT ZONES**  
**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976

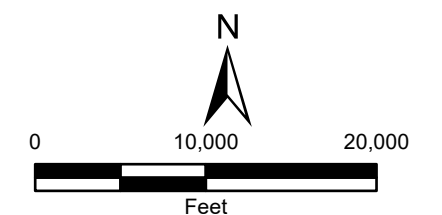
Name of Development: AgrojiBaro LLC

Parcel Coordinates: 18.301502 , -65.936519

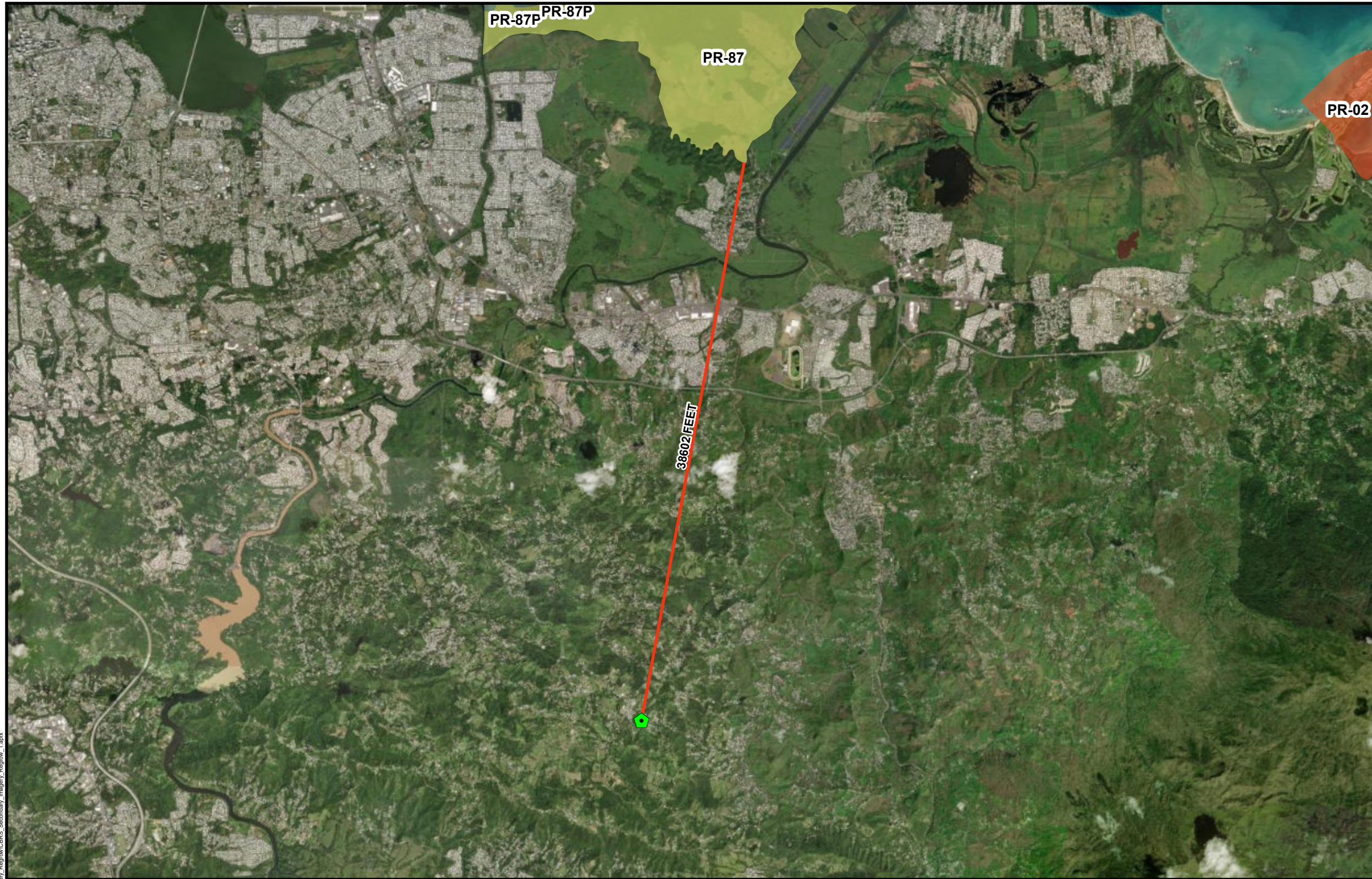


Source: USDOT  
<https://www.faa.gov>

Author: TG Date: 2/14/2024







**Legend**

- ◆ Project Parcel

**Coastal Barrier Resources System Boundary**

**Unit**

- PR-02
- PR-87
- PR-87P

Distance to Nearest Coastal Barrier Resources System:  
38602 Feet

**PUERTO RICO**



38602 FEET

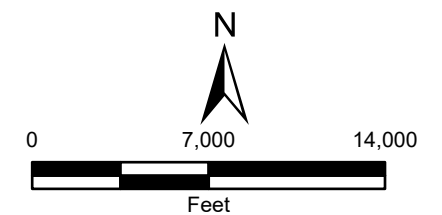
**Figure 3: COASTAL BARRIERS IMPROVEMENT ACT**  
**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976  
Name of Development: Agrojilbaro LLC  
Parcel Coordinates: 18.301502 , -65.936519



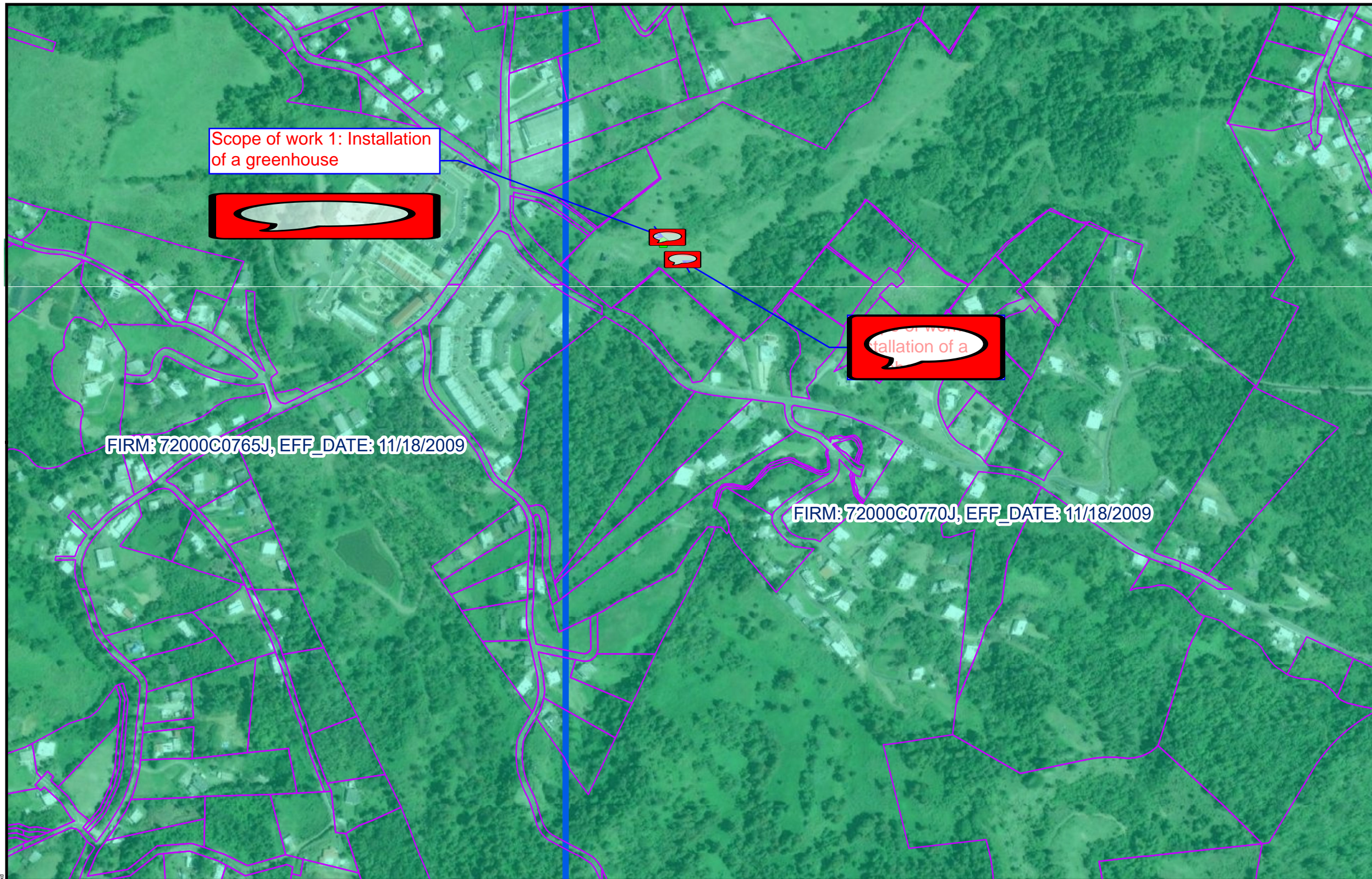
Source: U. S. Fish & Wildlife Service  
<https://www.fws.gov>

Author: TG Date: 10/17/2023



File Path: Z:\data\USFWS\Tier2\Regrow\pr\CBRS\_Secondary\_Imagery\_Regrow\_L1.apr





- Legend**
- Project Parcel
  - Parcels
  - FIRM Panels
  - Floodway
  - 100 Yr Floodzone
  - 500 Yr Floodzone
  - Area Of Minimal Flood Hazard
  - Unmapped for Floodplain
  - Area of Potential Effect

**PUERTO RICO**



**Figure 4: FLOODPLAIN MANAGEMENT  
APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976

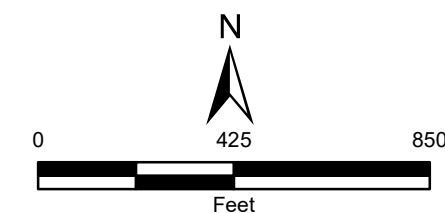
Name of Development: Agrojibaro LLC

Parcel Coordinates: 18.301502, -65.936519



Source: FEMA  
<https://msc.fema.gov>

Author: TG Date: 2/23/2024







**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, AE, AR
- 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
- Area of Undetermined Flood Hazard Zone D

**GENERAL STRUCTURES**

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

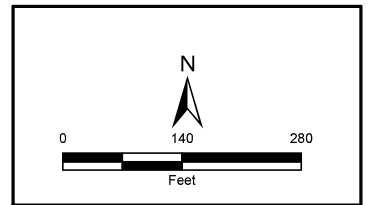
**OTHER FEATURES**

- 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
- 17.2 Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**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.



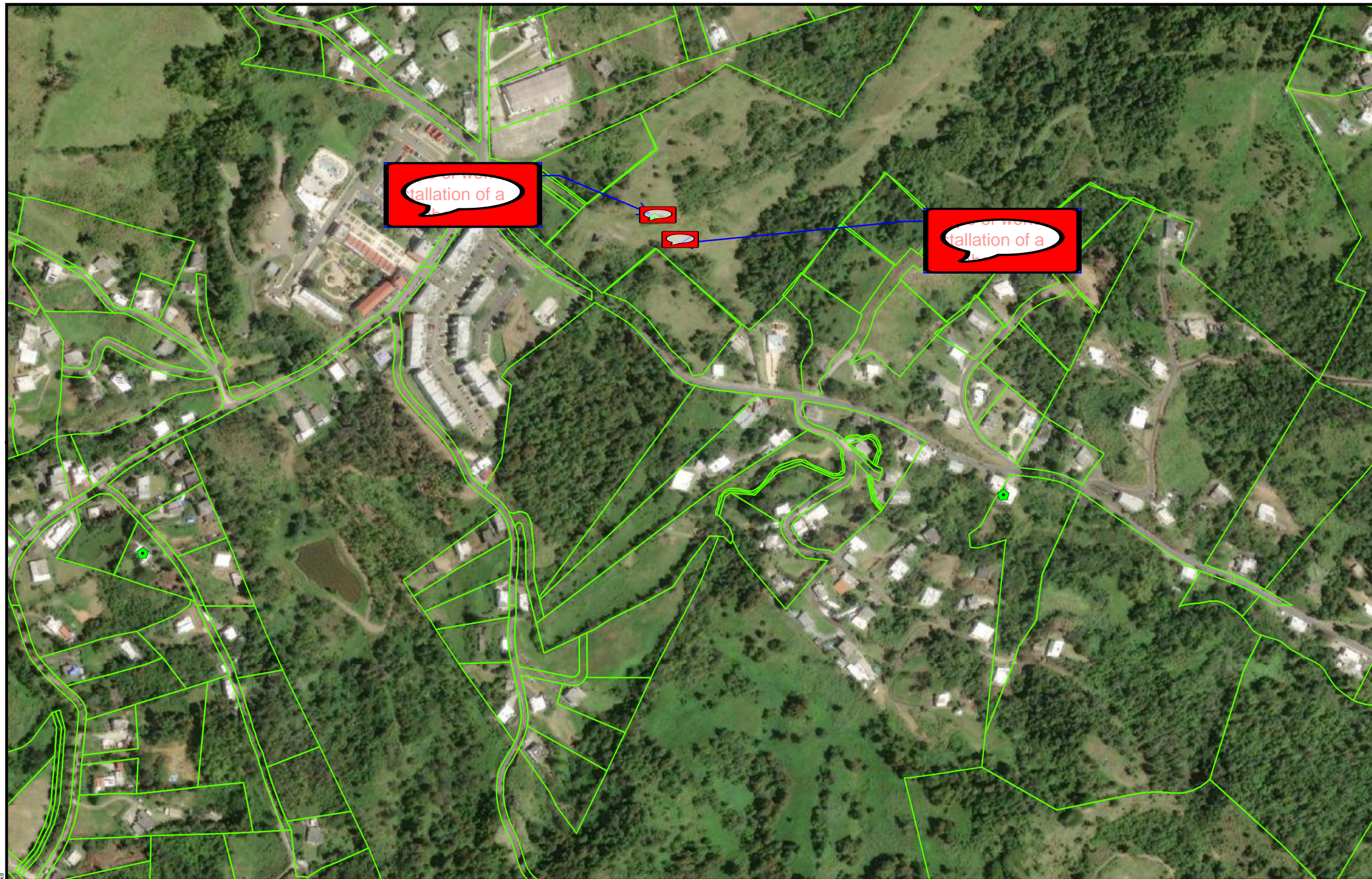
Source: FEMA  
<https://www.msc.fema.gov>  
Author: TG

**FIGURE 5: NATIONAL FLOOD HAZARD LAYER FIRMETTE**  
**APPLICANT ID: PR-RGRW-02735**  
 ADDRESS: CARR 853 KM 11.3 Bo. Barrazas, Carolina, PR 00979  
 Name of Development: Agrojibaro LLC  
 Parcel Coordinates: 18.301502, -65.936519

Date: 5/31/2023

File Path: \\ms01\GIS\Projects\2023\20230531\FIRM\02735\02735\_FIRM\_Layer\_Symbol.aprx





- Legend**
- ◆ Project Parcel
  - Parcels
- Legend**
- PuertoRico\_ABFE\_1PCT  
Advisory Base Flood Elevation (zoom in to make visible)
- 
- Flood Hazard Boundary (zoom in to make visible)  
Limit of Moderate Wave Action (LMWA)
- ▲
- Flood Hazard Extent
- 1% Annual Chance Flood
  - 0.2% Annual Chance Flood
- Zone/BFE Boundary
- 
- Flood Hazard Area (zoom in to make visible)
- Flood Hazard Zone
- A
  - AO
  - AE
  - Coastal A Zone
  - VE
  - X 0.2% Annual Chance Flood
  - A-Floodway
  - AE-Floodway
  - Coastal A Zone and Floodway
- Area of Potential Effect

**PUERTO RICO**



**Figure 6: ADVISORY BASE FLOOD ELEVATION**  
**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976

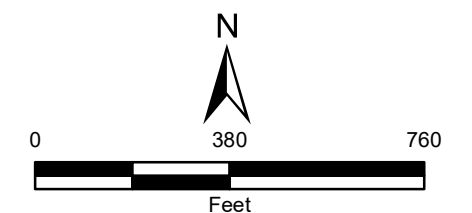
Name of Development: Agrojibaro LLC

Parcel Coordinates : 18.301502 , -65.936519

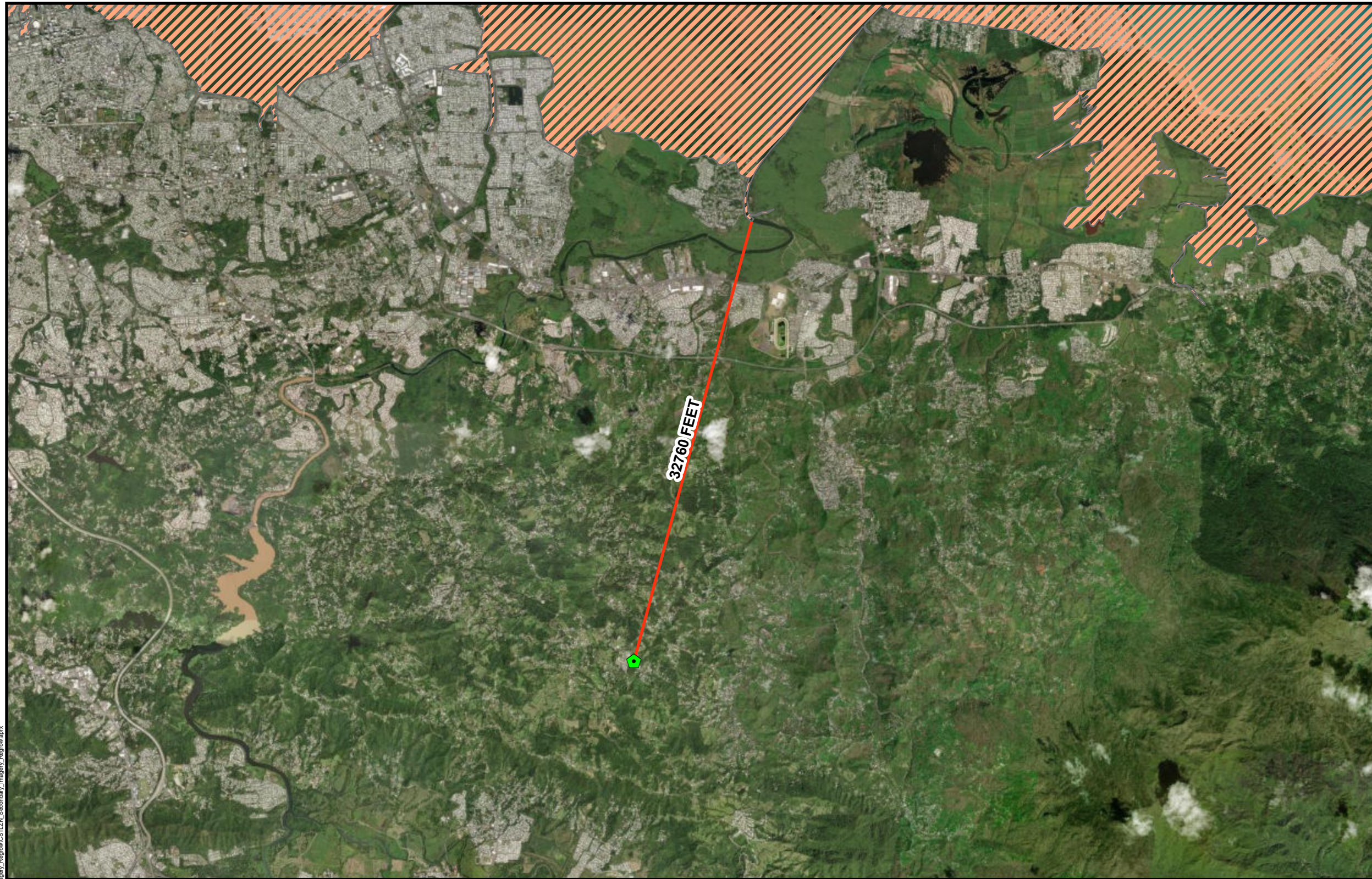


Source: FEMA  
<https://gis.fema.gov>



Author: TG Date: 2/23/2024







**Legend**

-  Project Parcel
-  Coastal Zone Management Boundary

Distance to Nearest Coastal Zone:  
32760 Feet

**PUERTO RICO**



**Figure 7: COASTAL ZONE MANAGEMENT  
APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976

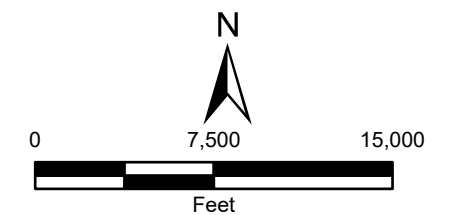
Name of Development: Agrojibaro LLC

Parcel Coordinates: 18.301502, -65.936519

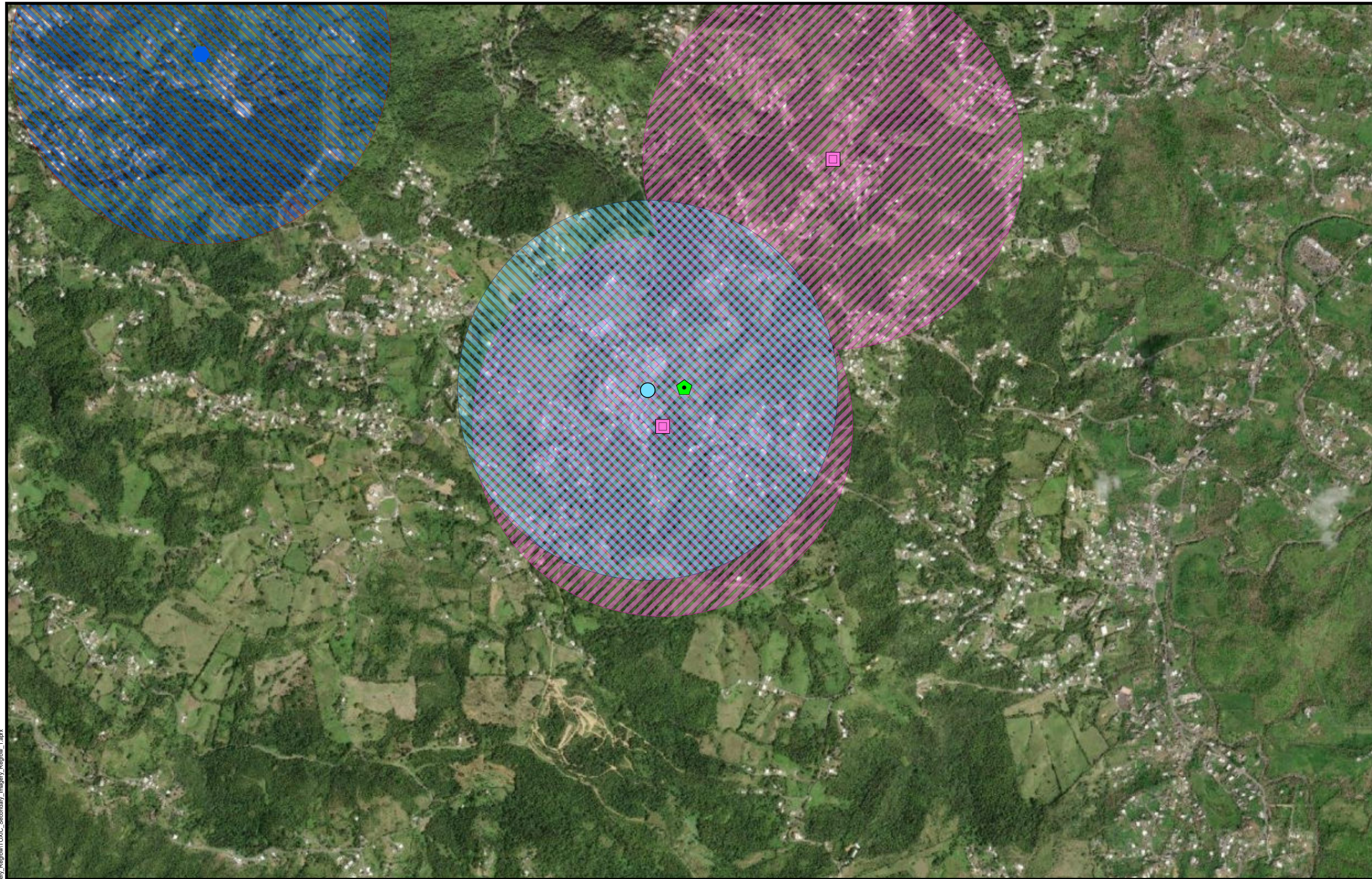


Source: NOAA's Ocean Service  
<https://data.noaa.gov>

Author: TG Date: 10/17/2023







- Legend**
- Project Parcel
  - AIR
  - NPDES
  - RCRA
  - Toxic Release Inventory Site
  - Superfund Site
  - Brownfield Sites
  - 3000 Ft Buffer AIR
  - 3000 Ft Buffer NPDES
  - 3000 Ft Buffer TRI
  - 3000 Ft Buffer Superfund
  - 3000 Ft Buffer RCRA
  - 3000 Ft Buffer Brownfield

**PUERTO RICO**

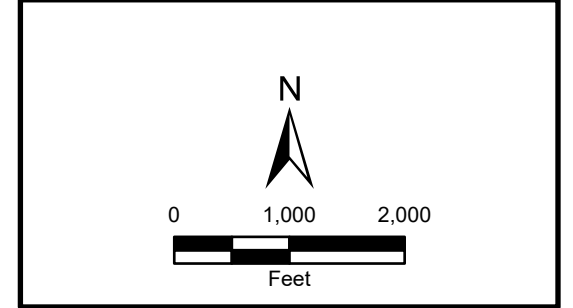


**Figure 8: TOXIC CHEMICALS AND GASES, HAZARDOUS MATERIALS, CONTAMINATION, AND RADIOACTIVE SUBSTANCES**  
**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976  
 Name of Development: Agrojibaro LLC  
 Parcel Coordinates: 18.301502, -65.936519



Source: E.P.A.  
<https://www.epa.gov/frs/geospatial-data-download-service>



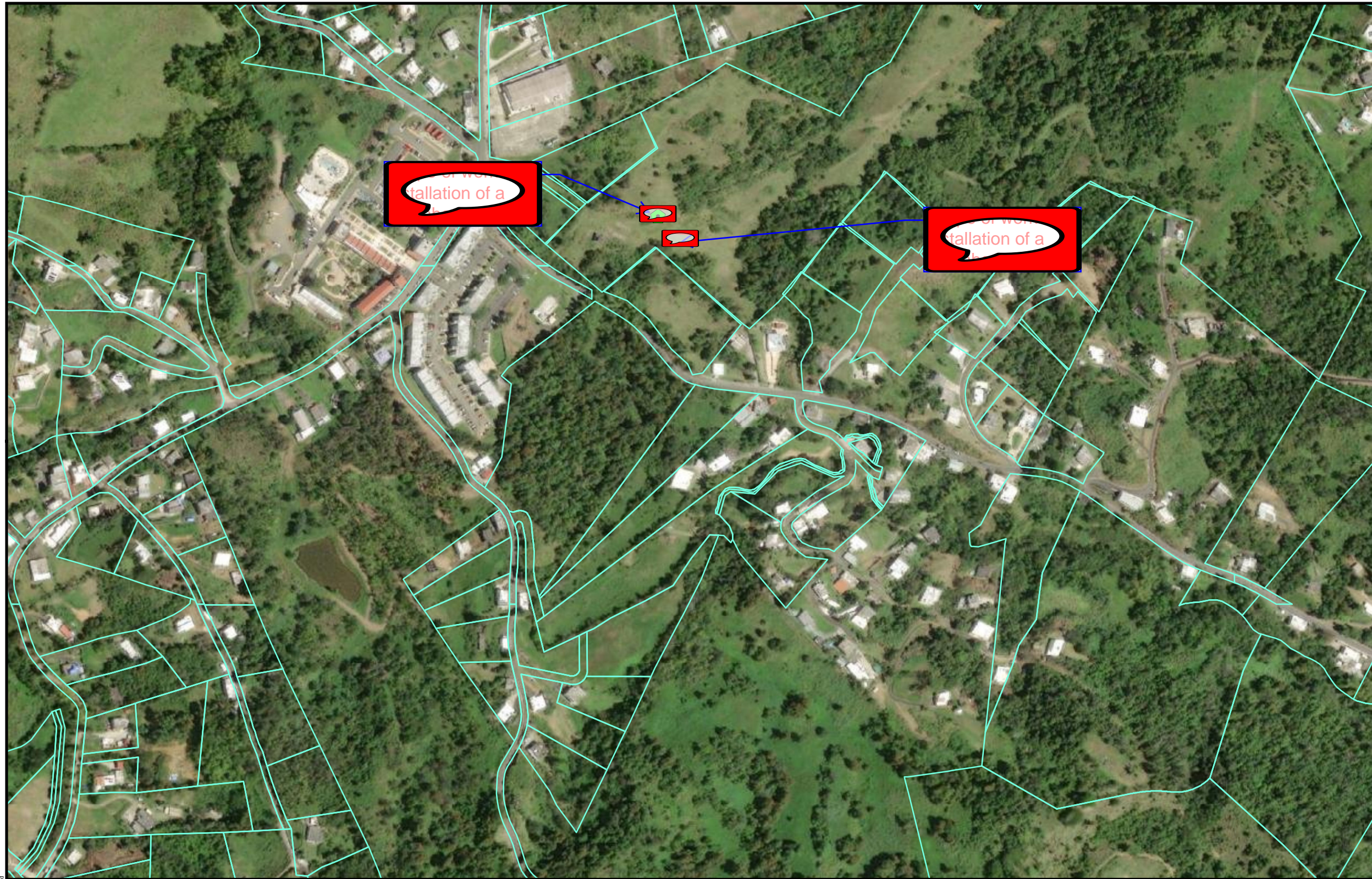
File Path: Z:\data\USRT\Tier2\Regrow\PR\TOC\_Secondary\_Imagery\_Regrow\_1.aprx





Author: JB/AK Date: 1/10/2024









- Legend**
-  Project Parcel
  -  Parcels
  -  Area of Critical Habitat
  -  Area of Potential Effect

**PUERTO RICO**



**Figure 10: ENDANGERED SPECIES ACT  
 APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976

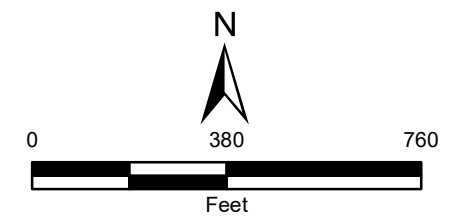
Name of Development: Agrojibaro LLC

Parcel Coordinates: 18.301502, -65.936519

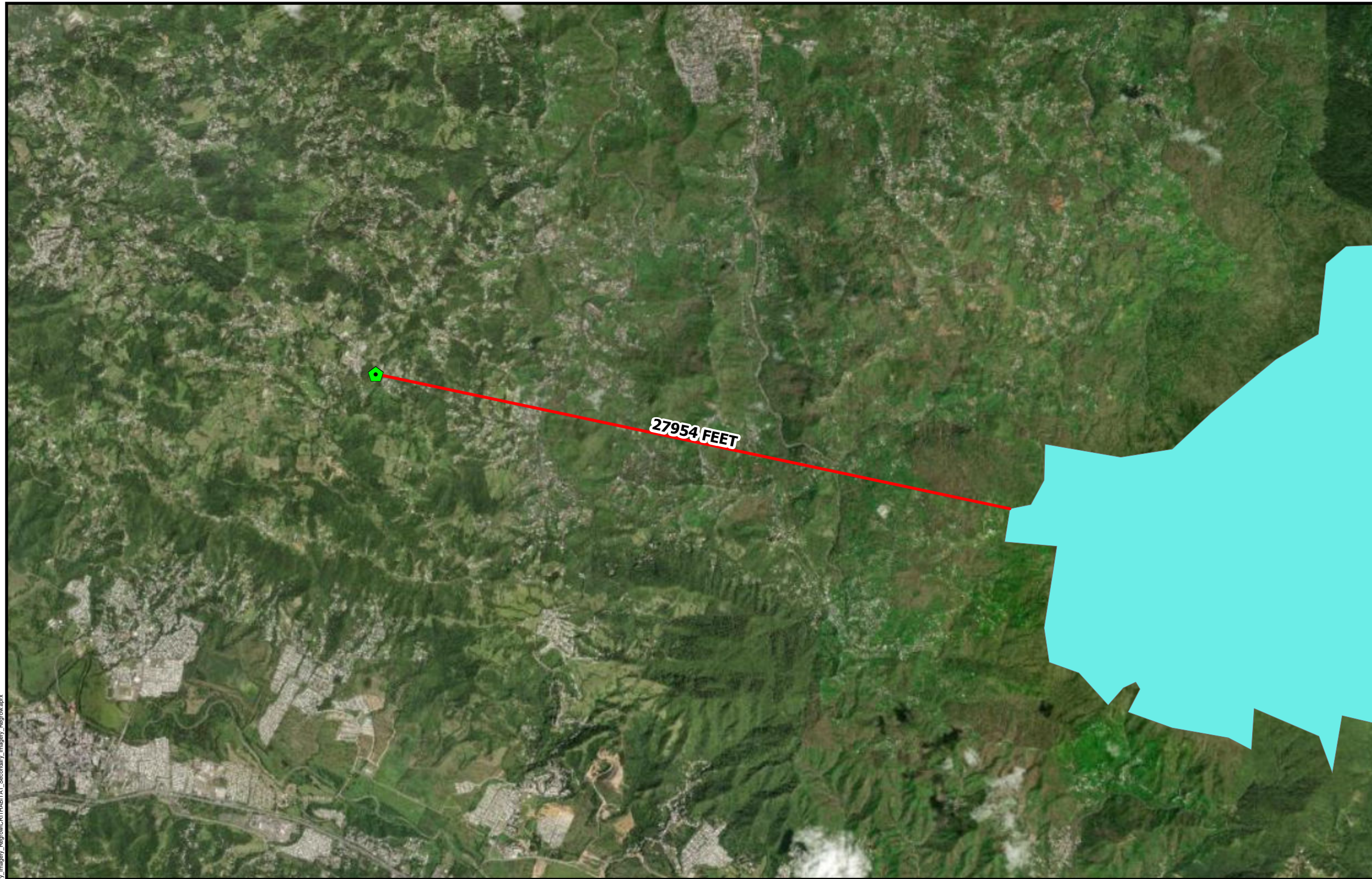


Source: U.S. FISH & WILDLIFE SERVICE  
<https://ecos.fws.gov>

Author: TG Date: 2/23/2024







- Legend**
- ▣ Project Parcel
  - Common Name**
  - ▣ Elfin-woods warbler

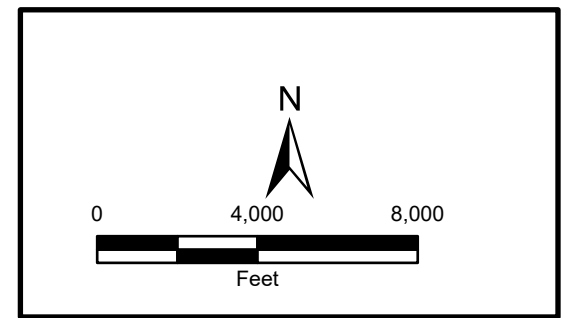
Distance to Nearest Critical Habitat:  
27954 Feet

**PUERTO RICO**



**Figure 11: CRITICAL HABITATS**  
**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976  
Name of Development: Agrojibaro LLC  
Parcel Coordinates: 18.301502 , -65.936519

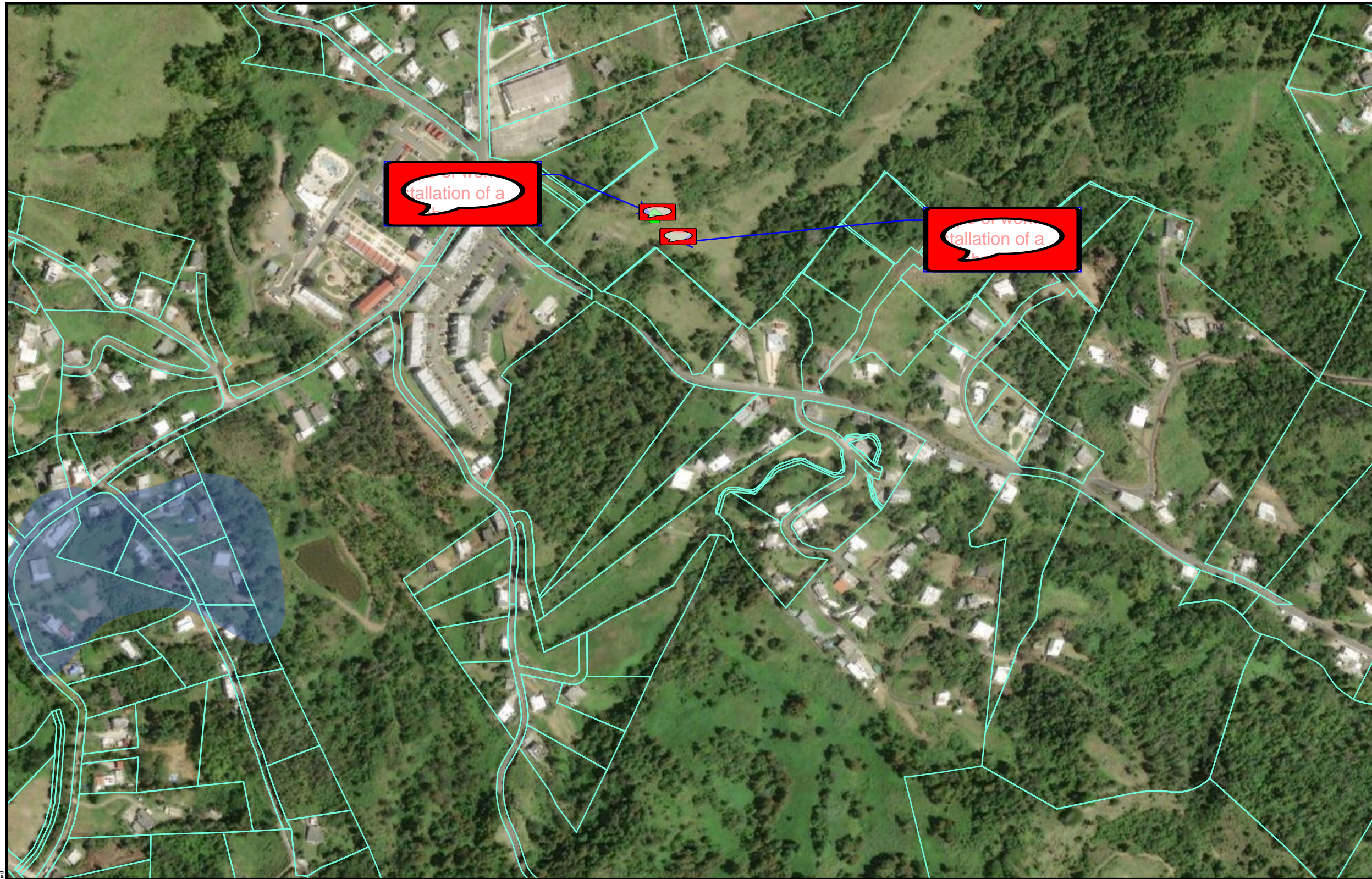


Source: U.S. FISH & WILDLIFE SERVICE  
<https://ecos.fws.gov>

File Path: Z:\data\USFWS\TheRegrow\PR\Regrow\CRITICAL\_HABITATS\_Secondary\_Imagery\_Regrow.aprx

Author: TG Date: 11/3/2023





**Legend**

- ◆ Project Parcel
- Farm Class**
- All areas are prime farmland
- Farmland of statewide importance
- Farmland of statewide importance, if irrigated
- Prime farmland if drained
- Prime farmland if irrigated
- Prime farmland if irrigated and reclaimed of excess salts and sodium
- Prime farmland if protected from flooding or not frequently flooded during the growing season
- Area of Potential Effect

**PUERTO RICO**

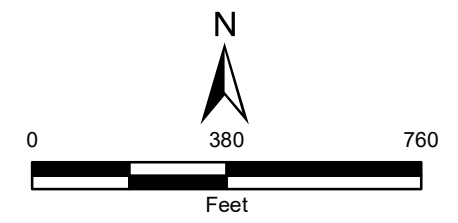


**Figure 12: FARMLAND PROTECTION**  
**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976  
 Name of Development: Agrojibaro LLC  
 Parcel Coordinates: 18.301502, -65.936519

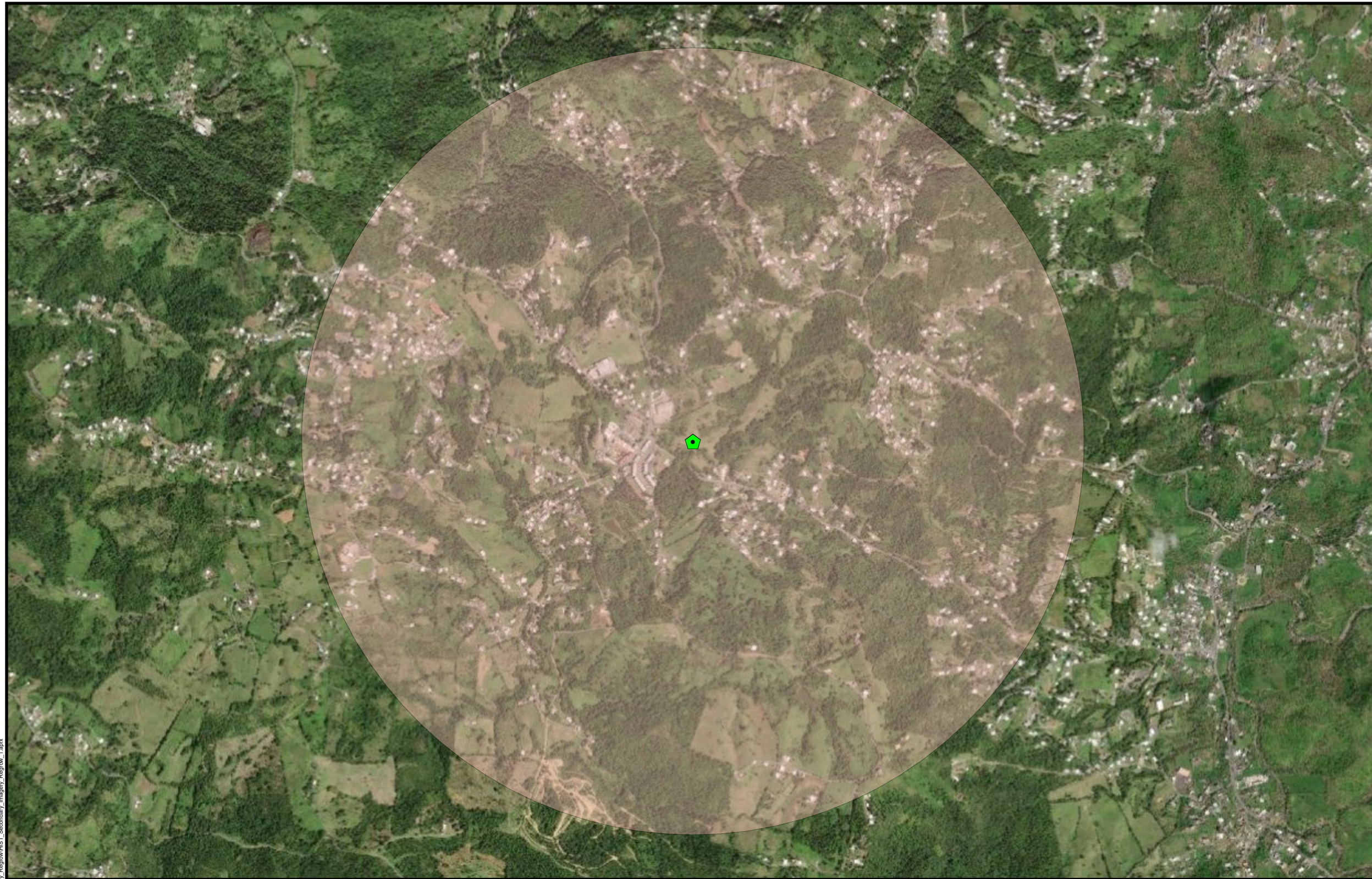


Source: USDA  
<https://websoilsurvey.sc.egov.usda.gov>  
 Author: TG Date: 2/23/2024



File Path: Z:\data\USPR\Tetra\FARM\_Secundary\_Imagery\_Review.mxd





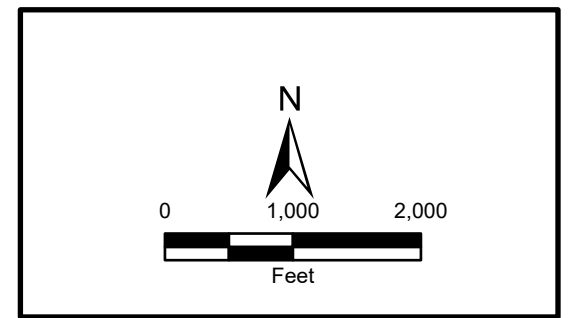
- Legend**
- ◆ Project Parcel
  - ▲ Historic ICP Sites
  - Cultural Resource Building Point
  - Cultural Resource District Point
  - Cultural Resource Site Point
  - Cultural Resource Structure Point
  - Historic Comunidades
  - Traditional Urban Centers
  - Cultural Resource Building Polygon
  - Cultural Resource District Polygon
  - Cultural Resource Site Polygon
  - Cultural Resource Structure Polygon
  - 1 Mile Property Buffer

**PUERTO RICO**



**Figure 13: HISTORIC PRESERVATION  
APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976  
 Name of Development: Agrojibaro LLC  
 Parcel Coordinates: 18.301502, -65.936519

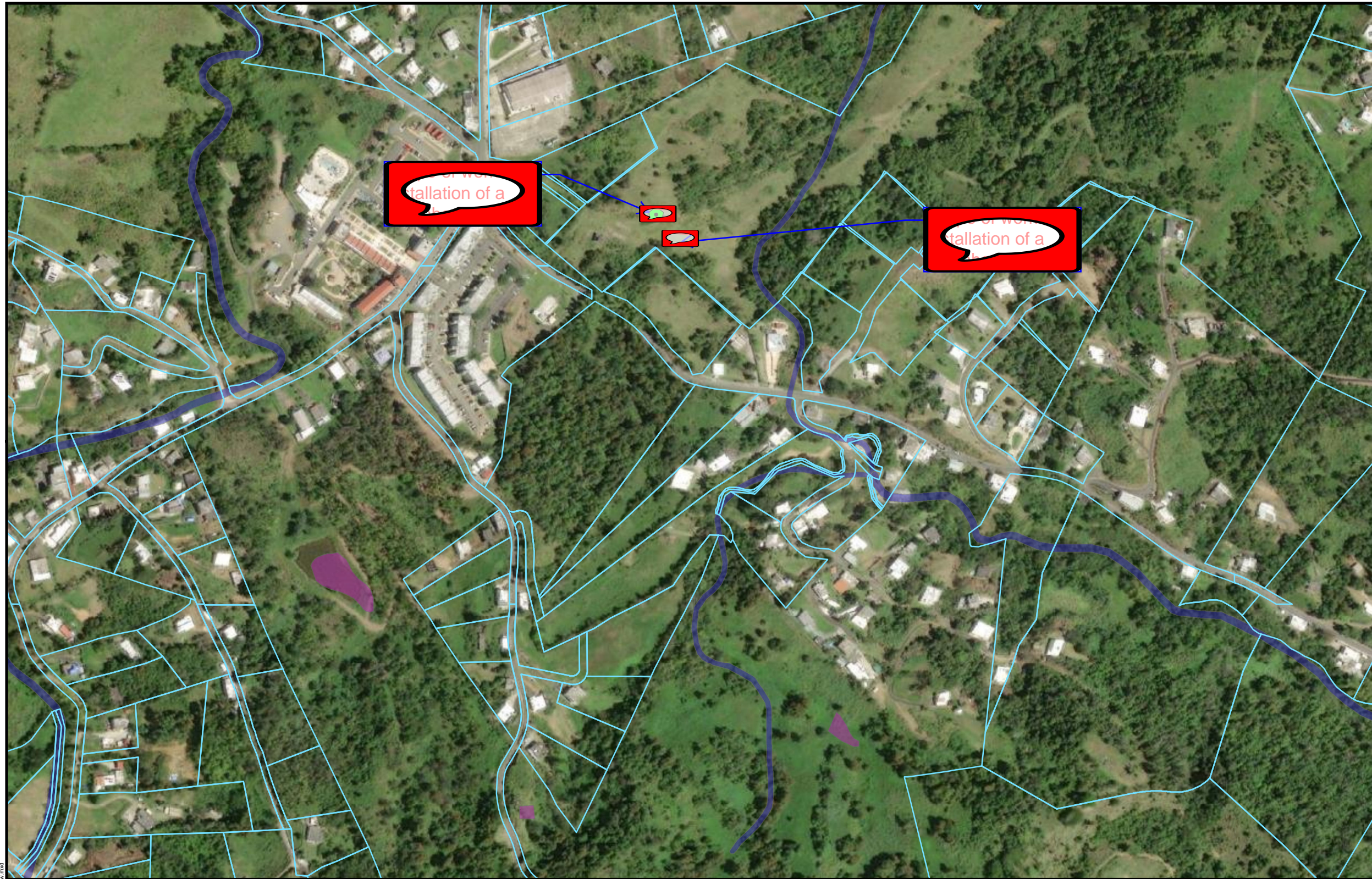


Source: National Park Service  
<https://www.nps.gov/>

Author: TG Date: 11/3/2023

File Path: Z:\data\USPRT\Tier2\Regrow\aparc\HIST\_Secondary\_Imagery\_Regrow\HIST\_Secondary\_Imagery\_Regrow\_1.aprx





- Legend**
- Project Parcel
  - Parcels
- WETLAND TYPE**
- Estuarine and Marine Deepwater
  - Estuarine and Marine Wetland
  - Freshwater Emergent Wetland
  - Freshwater Forested/Shrub Wetland
  - Freshwater Pond
  - Lake
  - Riverine
- Area of Potential Effect

**PUERTO RICO**

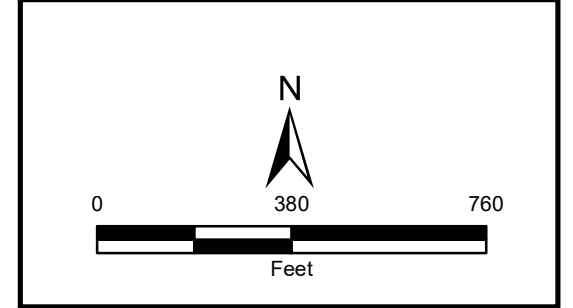


**Figure 14: WETLANDS**  
**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976  
 Name of Development: Agrojibaro LLC  
 Parcel Coordinates: 18.301502, -65.936519



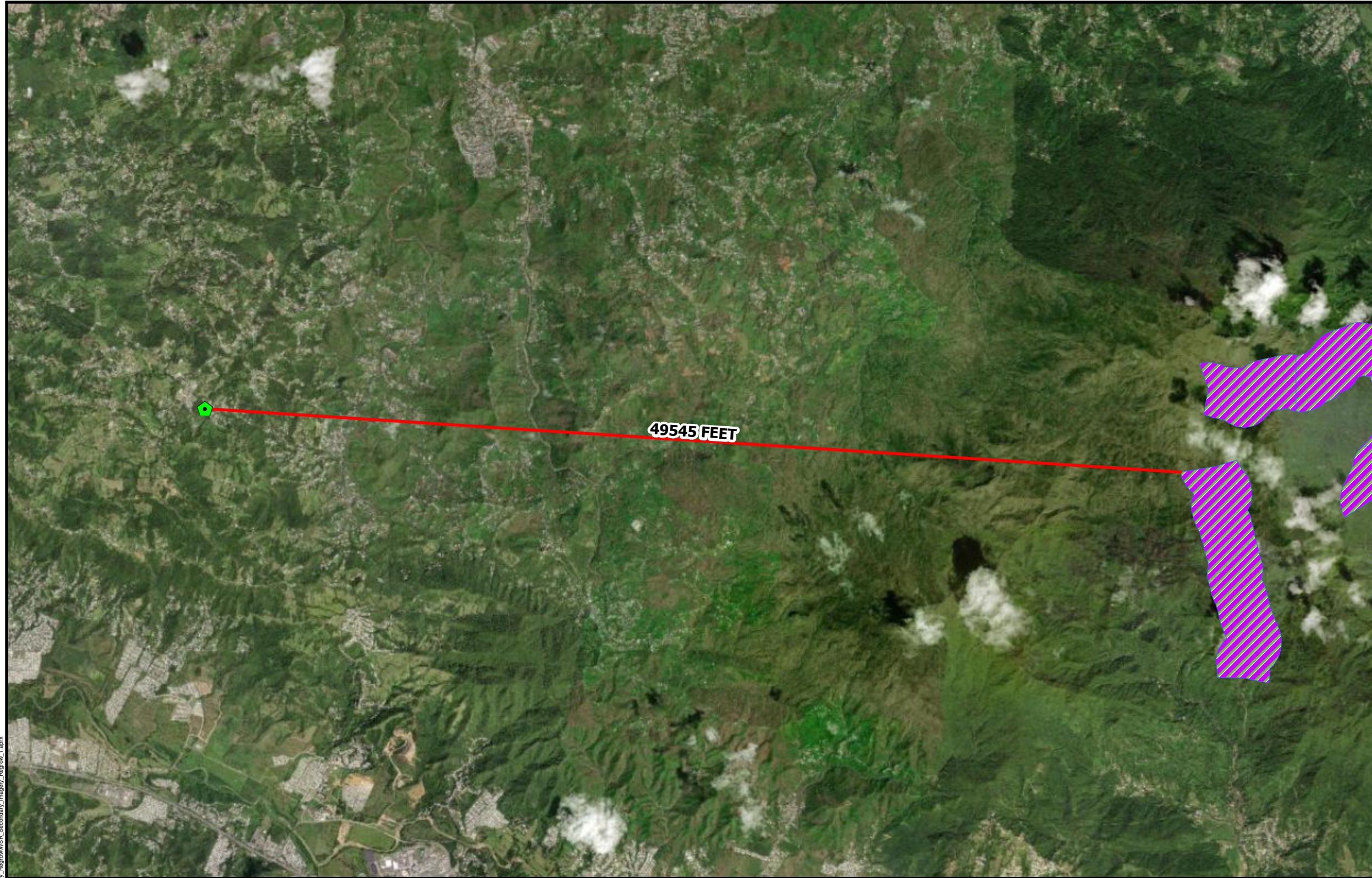
Source: U. S. Fish & Wildlife Service  
<https://www.fws.gov>





File Path: Z:\data\USFWS\PR\WETLANDS\_Secondary\_Imagery\_Regrow.mxd

Author: TG Date: 2/23/2024



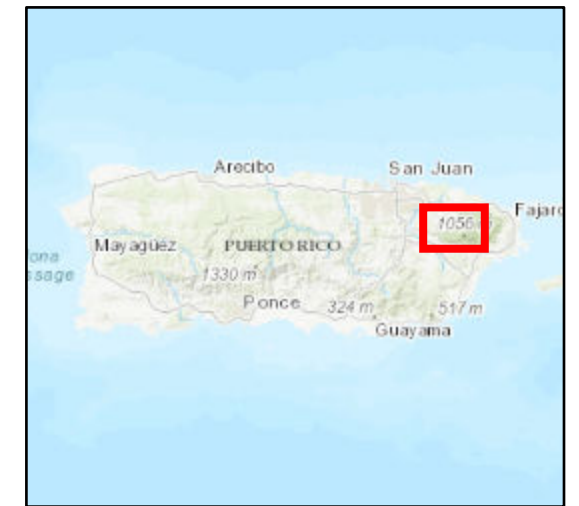


**Legend**

-  Project Parcel
-  Wild and Scenic Rivers

Distance to Nearest Wild and Scenic River: 49545 Feet

**PUERTO RICO**



**Figure 15: WILD AND SCENIC RIVERS ACT  
APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976

Name of Development: Agrojibaro LLC

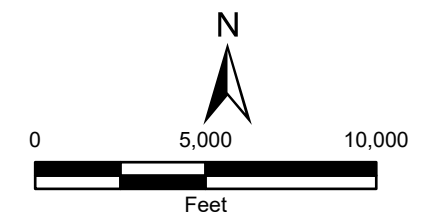
Parcel Coordinates: 18.301502 , -65.936519



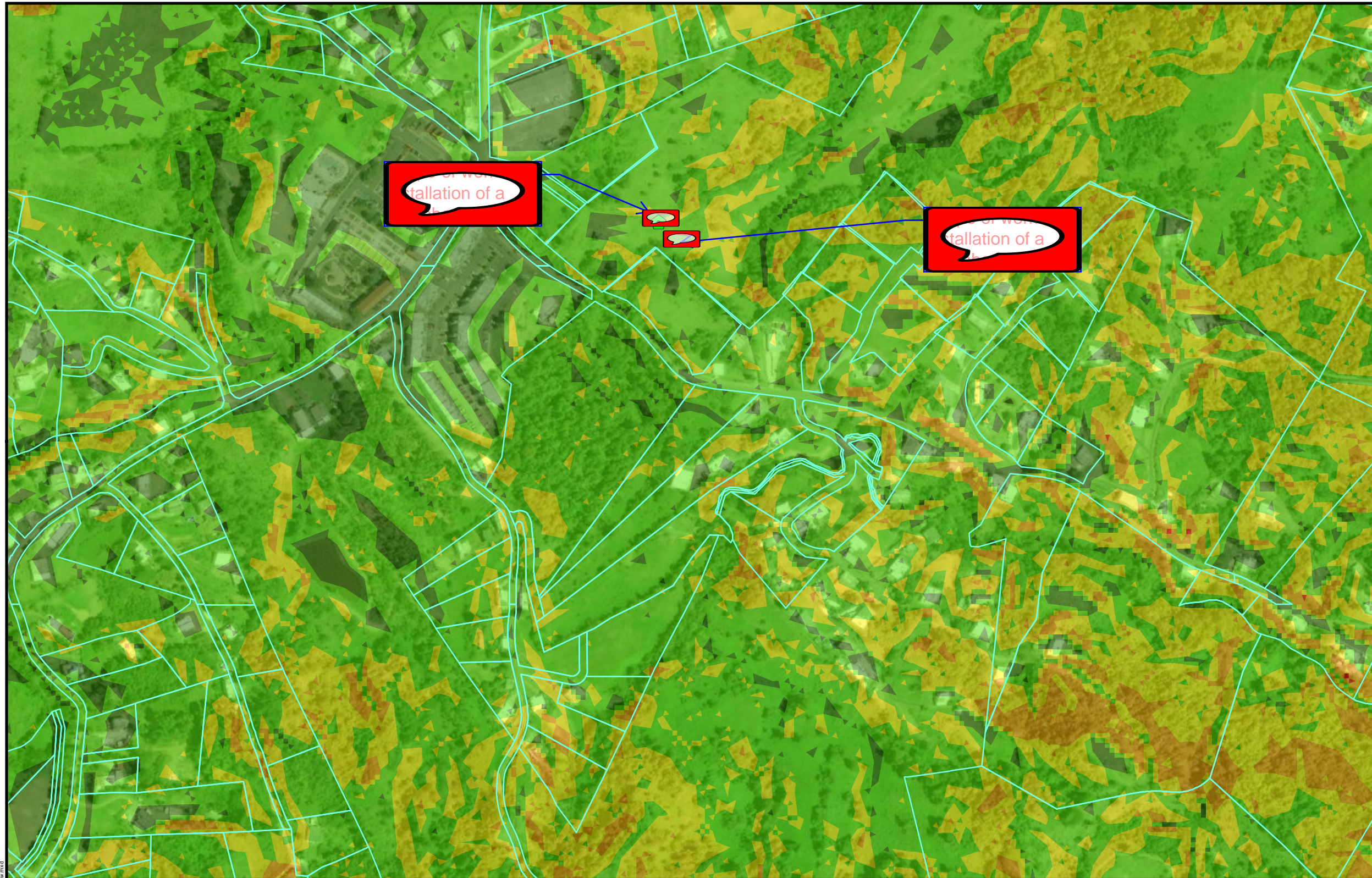
Source: U. S. Forest Service  
<https://www.fs.usda.gov>

Author: TG

Date: 10/23/2023







- Legend**
- Project Parcel
  - Parcels
- Landslide Susceptibility**
- Extremely High
  - Very High
  - High
  - Moderate
  - Low
- Area of Potential Effect

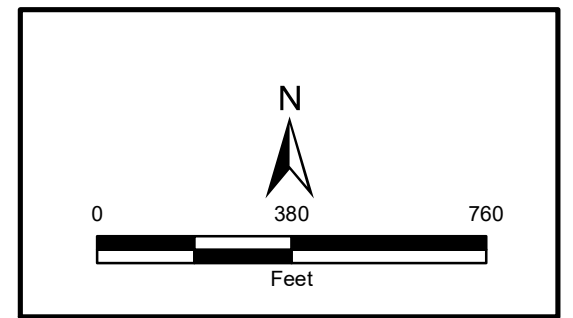
**PUERTO RICO**



**Figure 16: SLOPE AND EROSION**  
**APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976

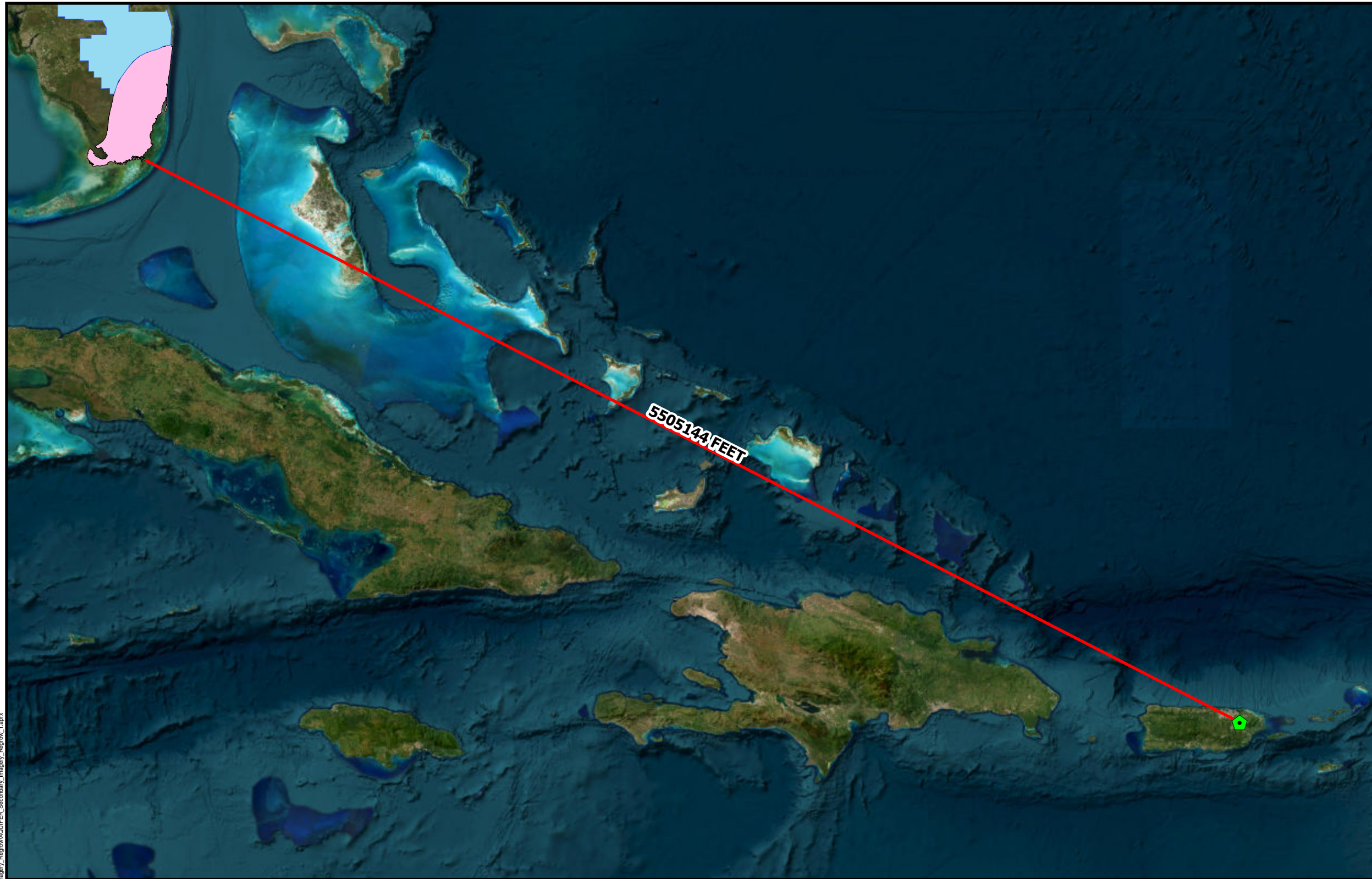
Name of Development: Agrojibaro LLC  
 Parcel Coordinates: 18.301502, -65.936519



File Path: Z:\external\SPRINT\Final\SLIDE\_Secundary\_Images\VE\_Region.mxd

Source: PRDOH  
<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=10506ecc7f15491daee17647f19248ee>  
 Author: TG Date: 2/23/2024





- Legend**
- ◆ Project Parcel
  - Biscayne Aquifer SSA Streamflow and Recharge Source Zones
  - Sole Source Aquifer
  - Biscayne Aquifer SSA

Distance to Nearest Aquifer:  
5,505,144 FT

**PUERTO RICO**



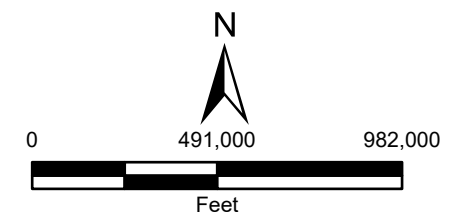
File Path: Z:\data\USPR\Tier2\Regrow\SSA\QUIFER\_Secundary\_Imagery\_Regrow\_Laprx



Source: USGS  
<https://catalog.data.gov/dataset/epa-sole-source-aquifers>  
 Author: TG Date: 2/21/2024

**Figure: 17: SOLE SOURCE AQUIFERS  
 APPLICANT ID: PR-RGRW-02735**

Address: Bo. Barrazas Carr 853 km 11.3, Carolina PR 00976  
 Name of Development: Agrojibaro LLC  
 Parcel Coordinates: 18.301502 , -65.936519



# **APPENDIX C**

## **Additional Information**





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 December 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



# Detailed Facility Report

## Facility Summary

**PUERTO RICO AGGREGATES**

**PR-853 KM 2.3 BO BARRAZAS, CAROLINA, PR  
00985**

**FRS (Facility Registry Service) ID:** 110054206550

**EPA Region:** 02

**Latitude:** 18.301611

**Longitude:** -65.938077

**Locational Data Source:** NCDB

**Industries:** Mining (except Oil and Gas)

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	09/09/2015
<b>Compliance Status</b>	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

## Regulatory Information

**Clean Air Act (CAA):** Operating Minor (PR0000007203100001)

**Clean Water Act (CWA):** No Information

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

**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** 15514711

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

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

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

[Go To Enforcement/Compliance Details](#)



## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110054206550					N	18.301611	-65.938077
ICIS-Air	CAA	PR0000007203100001	Minor Emissions	Operating	CAANSPS, CAASIP		N	18.301611	-65.938083
EIS	CAA	15514711					N	18.3604	-65.9517

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110054206550	PUERTO RICO AGGREGATES	PR-853 KM 2.3 BO BARRAZAS, CAROLINA, PR 00985	Carolina Municipio
ICIS-Air	CAA	PR0000007203100001	PR AGGREGATES	RD 853 KM 2.5 BO. BARRAZAS, CAROLINA, PR 00983	Carolina Municipio
EIS	CAA	15514711	PR AGGREGATES	PR-853, KM 2.3 BARRAZAS WARD, CAROLINA, PR 00771	Carolina Municipio

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007203100001	1411	Dimension Stone

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

System	Identifier	NAICS Code	NAICS Description
EIS	15514711	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
ICIS-Air	PR0000007203100001	212311	Dimension Stone Mining and Quarrying

### Facility Tribe Information

No data records returned

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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## Enforcement and Compliance

### Compliance Monitoring History Last 5 Years

No data records returned

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
---------	-----------	--------	---------------	----------------------------	-------------	------	-------------------------

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

### Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007203100001	No	02/17/2024	0	02/16/2024

### 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+
CAA (Source ID: PR0000007203100001)		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	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24
Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
HPV History													
Violation Type	Agency	Programs	Pollutants										

## Informal Enforcement Actions Last 5 Years

No data records returned

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

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

## Formal Enforcement Actions Last 5 Years

No data records returned

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

# Environmental Conditions

## Watersheds

No data records returned

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?
--	---	---	---------------------------------	--------------------------------------	--	---

## Assessed Waters From Latest State Submission (ATTAINS)

No data records returned

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

## Air Quality Nonattainment Areas

No data records returned

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

# Pollutants

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

No data records returned

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



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

No data records returned

Chemical Name

## 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

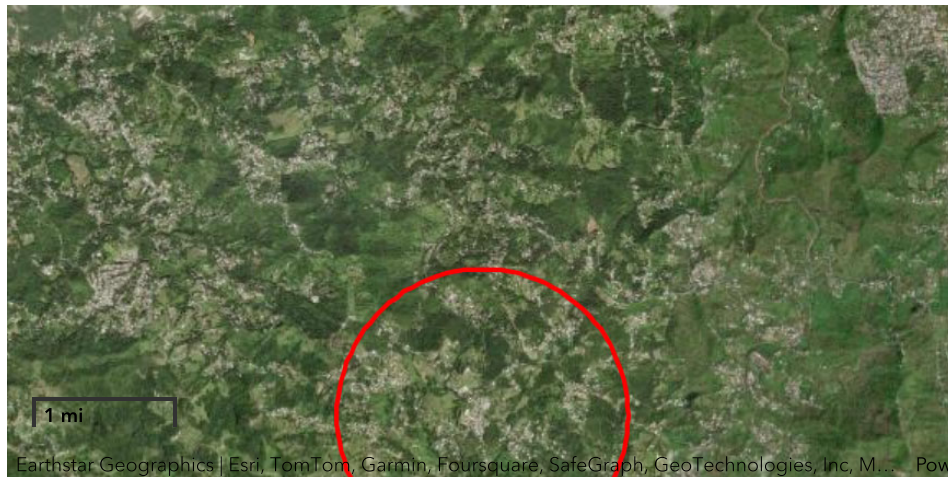
EJScreen Community Report

#### Download Data

Census Block Group ID: 720310510013	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	5	6
Particulate Matter 2.5	0	--
Ozone	0	--
Diesel Particulate Matter	12	37
Air Toxics Cancer Risk	35	41
Air Toxics Respiratory Hazard Index	34	44
Toxic Releases to Air	88	98
Traffic Proximity	75	75
Lead Paint	78	99
Risk Management Plan (RMP) Facility Proximity	95	98
Hazardous Waste Proximity	87	96
Superfund Proximity	99	99
Underground Storage Tanks (UST)	0	92
Wastewater Discharge	83	98

Facility 1-mile Radius  Facility Census Block Group





Earthstar Geographics | Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, M... Powered by Esri <<http://www.esri.com/>>



## 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	2,867
Population Density	903/sq.mi.
Housing Units in Area	1,142

General Statistics (ACS (American Community Survey))	
Total Persons	2,921
Percent People of Color	100%
Households in Area	877
Households on Public Assistance	31
Persons With Low Income	2,013
Percent With Low Income	70%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.301611
Center Longitude	-65.938077
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	246 (27.99%)
\$15,000 - \$25,000	140 (15.93%)
\$25,000 - \$50,000	252 (28.67%)
\$50,000 - \$75,000	143 (16.27%)
Greater than \$75,000	98 (11.15%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	204 (7%)
Minors 17 years and younger	815 (28%)
Adults 18 years and older	2,052 (72%)
Seniors 65 years and older	332 (12%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,205 (77%)
African-American	339 (12%)
Hispanic-Origin	2,851 (99%)
Asian/Pacific Islander	2 (0%)
American Indian	12 (0%)
Other/Multiracial	309 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	492 (23.26%)
9th through 12th Grade	136 (6.43%)
High School Diploma	584 (27.61%)
Some College/2-year	173 (8.18%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	520 (24.59%)





# Detailed Facility Report

## Facility Summary

DM MFG OF MATTRESS

PR-853 KM 2.6, CAROLINA, PR 00987

FRS (Facility Registry Service) ID: 110013312995

EPA Region: 02

Latitude: 18.301611

Longitude: -65.938077

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

## Enforcement and Compliance Summary

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

## Regulatory Information

**Clean Air Act (CAA):** No Information

**Clean Water Act (CWA):** No Information

**Resource Conservation and Recovery Act (RCRA):** Inactive Other, (PRN008012650), Inactive Other, (PRN008016255)

## Other Regulatory Reports

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

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

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

Safe Drinking Water Act (SDWA): No Information

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110013312995					N	18.301611	-65.938077
RCRAInfo	RCRA	PRN008012650	Other	Inactive ( )			N		
RCRAInfo	RCRA	PRN008016255	Other	Inactive ( )			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110013312995	DM MFG OF MATTRESS	PR-853 KM 2.6, CAROLINA, PR 00987	Carolina Municipio
RCRAInfo	RCRA	PRN008012650	D M MFG OF MATTRESS	RD 853 KM 2.6, CAROLINA, PR 00986	Carolina Municipio
RCRAInfo	RCRA	PRN008016255	DM MFG OF MATTRESS	RD 853 KM 2.6, CAROLINA, PR 00986	Carolina Municipio

### Facility SIC (Standard Industrial Classification) Codes

No data records returned

System	Identifier	SIC Code	SIC Description
--------	------------	----------	-----------------

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

No data records returned

System	Identifier	NAICS Code	NAICS Description
--------	------------	------------	-------------------

### Facility Tribe Information

No data records returned

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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## Enforcement and Compliance

### Compliance Monitoring History

Last 5 Years

No data records returned

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
---------	-----------	--------	---------------	----------------------------	-------------	------	-------------------------

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



## Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008012650	No	02/17/2024	0	02/16/2024
RCRA	PRN008016255	No	02/17/2024	0	02/16/2024

## Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRN008012650)		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	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24
Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
Violation		Agency											
RCRA (Source ID: PRN008016255)		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	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24
Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
Violation		Agency											

## Informal Enforcement Actions

Last 5 Years

No data records returned

Statute	System	Source ID	Type of Action	Lead Agency	Date
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Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

## Formal Enforcement Actions

Last 5 Years

No data records returned

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

## Environmental Conditions

### Watersheds

No data records returned

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?
--	---	---	---------------------------------	--------------------------------------	--	---

## Assessed Waters From Latest State Submission (ATTAINS)

No data records returned

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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# Air Quality Nonattainment Areas

No data records returned

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

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

No data records returned

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

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

No data records returned

Chemical Name
---------------

## 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

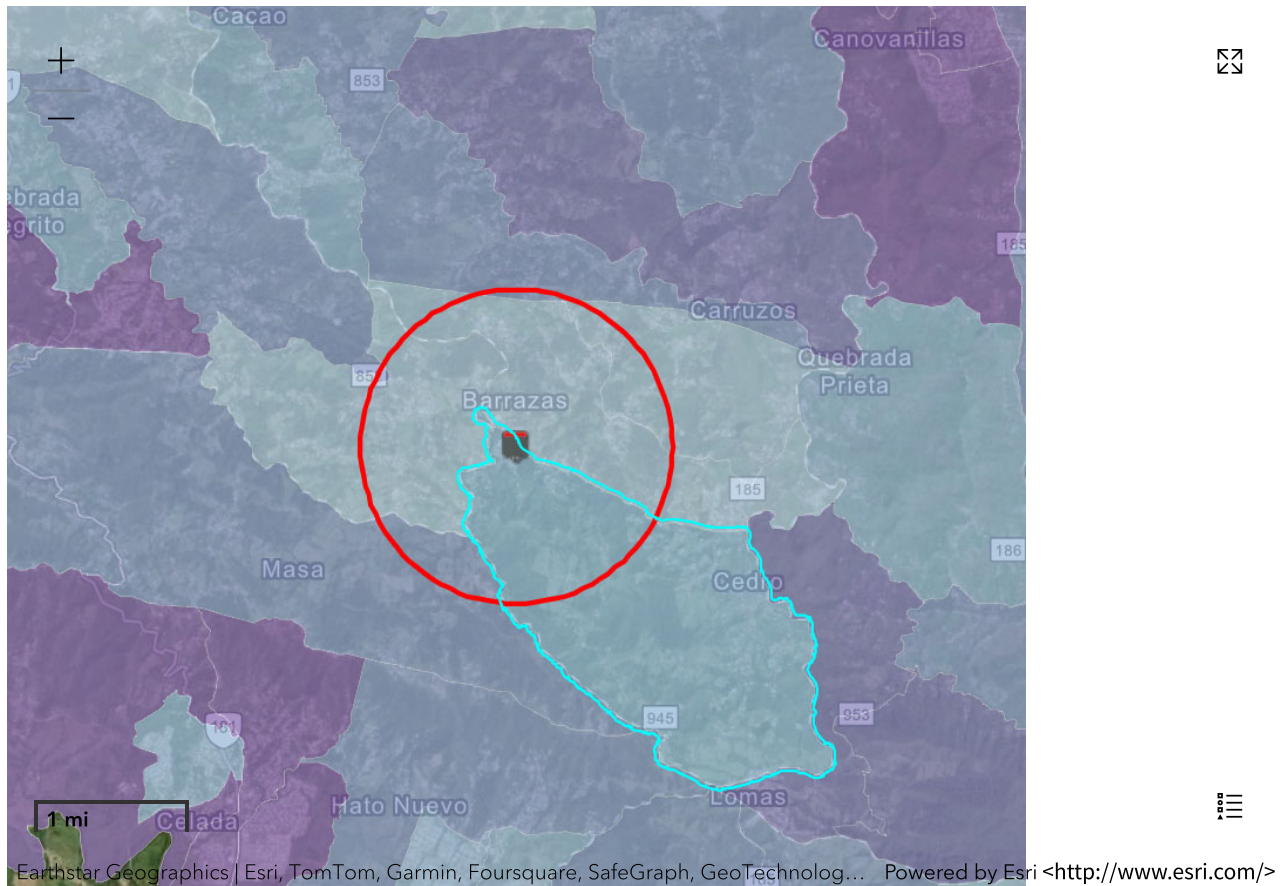
Download Data

Census Block Group ID: 720310510013	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	5	6
Particulate Matter 2.5	0	--
Ozone	0	--
Diesel Particulate Matter	12	37
Air Toxics Cancer Risk	35	41
Air Toxics Respiratory Hazard Index	34	44
Toxic Releases to Air	1 88	1 98
Traffic Proximity	75	75



Census Block Group ID: 720310510013	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Lead Paint	78	99
Risk Management Plan (RMP) Facility Proximity	95	98
Hazardous Waste Proximity	87	96
Superfund Proximity	99	99
Underground Storage Tanks (UST)	0	92
Wastewater Discharge	83	98

○ 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)		Age Breakdown (U.S. Census) - Persons (%)	
Total Persons	2,867	Children 5 years and younger	204 (7%)
Population Density	903/sq.mi.	Minors 17 years and younger	815 (28%)
Housing Units in Area	1,142	Adults 18 years and older	2,052 (72%)

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

Total Persons	2,921
Percent People of Color	100%
Households in Area	877
Households on Public Assistance	31
Persons With Low Income	2,013
Percent With Low Income	70%

**Geography**

Radius of Selected Area	1 mi.
Center Latitude	18.301611
Center Longitude	-65.938077
Land Area	100%
Water Area	0%

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

Less than \$15,000	246 (27.99%)
\$15,000 - \$25,000	140 (15.93%)
\$25,000 - \$50,000	252 (28.67%)
\$50,000 - \$75,000	143 (16.27%)
Greater than \$75,000	98 (11.15%)

**Age Breakdown (U.S. Census) - Persons (%)**

Seniors 65 years and older	332 (12%)
----------------------------	-----------

**Race Breakdown (U.S. Census) - Persons (%)**

White	2,205 (77%)
African-American	339 (12%)
Hispanic-Origin	2,851 (99%)
Asian/Pacific Islander	2 (0%)
American Indian	12 (0%)
Other/Multiracial	309 (11%)

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

Less than 9th Grade	492 (23.26%)
9th through 12th Grade	136 (6.43%)
High School Diploma	584 (27.61%)
Some College/2-year	173 (8.18%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	520 (24.59%)





# Detailed Facility Report

## Facility Summary

VILLAS DEL GIGANTE, CAROLINA

INTERCEPT OF PR-852 & PR-853, CAROLINA, PR 00985

FRS (Facility Registry Service) ID: 110009700804

EPA Region: 02

Latitude: 18.300583

Longitude: -65.937417

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	05/19/2016
Compliance Status	Significant/Category I Noncompliance
Qtrs in Noncompliance (of 12)	10
Qtrs with Significant Violation	4
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 Admin Continued (PR0026042)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

## Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110009700804					N	18.300583	-65.937417
ICIS		2446776					N	18	-56.166667
ICIS-NPDES	CWA	PR0026042	Non-Major: NPDES Individual Permit	Admin Continued	POTW	10/31/2020	N	18	-56.166667

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110009700804	VILLAS DEL GIGANTE, CAROLINA	INTERCEPT OF PR-852 & PR-853, CAROLINA, PR 00985	Carolina Municipio
ICIS		2446776	VILLAS DEL GIGANTE CARLINA	INTERCEPT OF PR-852 & PR-853, CAROLINA, PR 00985	Carolina Municipio
ICIS-NPDES	CWA	PR0026042	VILLAS DEL GIGANTE, CAROLINA	INTERCEPT OF PR-852 & PR-853, CAROLINA, PR 00985	Carolina Municipio

## Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PR0026042	4952	Sewerage Systems

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

No data records returned

System	Identifier	NAICS Code	NAICS Description
--------	------------	------------	-------------------

## Facility Industrial Effluent Guidelines

No data records returned

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
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## Facility Tribe Information

No data records returned

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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## Enforcement and Compliance

### Compliance Monitoring History Last 5 Years

No data records returned

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

## Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PR0026042	Yes	09/30/2023	10	02/16/2024

## 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
	CWA (Source ID: PR0026042)	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	07/01-09/30/23
	Facility-Level Status	Violation Identified	No Violation Identified	Violation Identified	Violation Identified	Violation Identified	Significant/Category I Noncompliance	No Violation Identified	Violation Identified	Significant/Category I Noncompliance	No Violation Identified	Significant/Category I Noncompliance	Significant/Category I Noncompliance
	Quarterly Noncompliance Report History	Other Violation		Other Violation	Other Violation	Other Violation	Effluent - Non-monthly Average Limit	Resolved	Other Violation	Effluent - Non-monthly Average Limit	Resolved	Effluent - Non-monthly Average Limit	Effluent - Non-monthly Average Limit
	Pollutant	Disch Point	Mon Loc	Freq									
CWA	Ammonia & ammonium- total <effluent-charts#pr0026042/82230>	001 - A	Effluent Gross	NMth									
							14%	75%	1%	13%	17%	56%	
CWA	BOD, 5-day, 20 deg. C <effluent-charts#pr0026042/00310>	001 - A	Effluent Gross	NMth						33%			





Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA	Surfactants [MBAS] <effluent-charts#pr0026042/38260> <https://epa.gov/effluent-charts#pr0026042/38260>								182%	688%		

### Informal Enforcement Actions Last 5 Years

No data records returned

Statute	System	Source ID	Type of Action	Lead Agency	Date
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Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

### Formal Enforcement Actions Last 5 Years

No data records returned

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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## 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?
210100050412	Rio Canovanillas	MARACUTO CREEK, CAROLINA	No	No	BOD, 5-day, 20 deg. C   BOD, 5-day, percent removal   Coliform, fecal - % sample exceeds limit   Coliform, fecal general   Coliform, total general   Oxygen, dissolved (DO)	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	PRER14C	RIO CANOVANILLAS	Impaired - 303(d) Listed - With Restoration Plan	ORGANIC ENRICHMENT/OXYGEN DEPLETION   PATHOGENS	Insufficient Information	Not Supporting	--	Not Supporting	--

### Air Quality Nonattainment Areas

No data records returned

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

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

No data records returned

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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### Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

No data records returned

Chemical Name
---------------

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description	2019	2020	2021	2022	2023
PR0026042	DMR Pollutant Loadings (lb/year)	8,990	5,463	9,256	11,851	4,561
PR0026042	DMR Pollutant Loadings - Load Over Limit (lb/year)	26.97	115	34.26	85.11	98.69
PR0026042	DMR Conventional Loadings (lb/year)	--	--	--	786	--
PR0026042	DMR Conventional Loadings - Load Over Limit (lb/year)	--	--	--	0	--



NPDES ID	Description	2019	2020	2021	2022	2023
PR0026042	DMR Toxic-Weighted Loadings (lb-eq/year)	9.70	8.74	11.98	10.74	4.56
PR0026042	DMR Toxic-Weighted Loadings - Load Over Limit (lb-eq/year)	0	0	0	0	0.0239

# 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

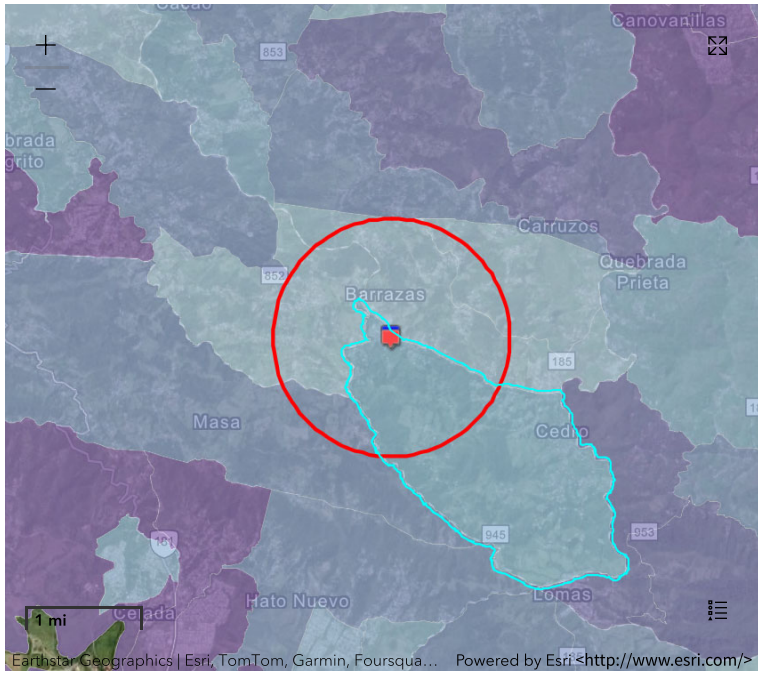
### Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720310510013	US (Percentile)	
	Facility Census Block Group	1-mile Max
<b>Count of Indexes At or Above 80th Percentile</b>	<b>5</b>	<b>6</b>
Particulate Matter 2.5	0	--
Ozone	0	--
Diesel Particulate Matter	12	25
Air Toxics Cancer Risk	35	41
Air Toxics Respiratory Hazard Index	34	44
Toxic Releases to Air	88	98
Traffic Proximity	75	75
Lead Paint	78	99
Risk Management Plan (RMP) Facility Proximity	95	98
Hazardous Waste Proximity	87	96
Superfund Proximity	99	99
Underground Storage Tanks (UST)	0	--
Wastewater Discharge	83	98

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	2,756
Population Density	892/sq.mi.
Housing Units in Area	1,099

General Statistics (ACS (American Community Survey))	
Total Persons	2,855
Percent People of Color	100%
Households in Area	862
Households on Public Assistance	30

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	201 (7%)
Minors 17 years and younger	780 (28%)
Adults 18 years and older	1,976 (72%)
Seniors 65 years and older	322 (12%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,138 (78%)
African-American	317 (12%)
Hispanic-Origin	2,741 (99%)

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

Persons With Low Income	1,980
Percent With Low Income	70%

**Geography**

Radius of Selected Area	1 mi.
Center Latitude	18.300583
Center Longitude	-65.937417
Land Area	100%
Water Area	0%

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

Less than \$15,000	243 (28.19%)
\$15,000 - \$25,000	133 (15.43%)
\$25,000 - \$50,000	251 (29.12%)
\$50,000 - \$75,000	139 (16.13%)
Greater than \$75,000	96 (11.14%)

**Race Breakdown (U.S. Census) - Persons (%)**

Asian/Pacific Islander	2 (0%)
American Indian	11 (0%)
Other/Multiracial	288 (10%)

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

Less than 9th Grade	481 (23.27%)
9th through 12th Grade	129 (6.24%)
High School Diploma	563 (27.24%)
Some College/2-year	176 (8.51%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	514 (24.87%)





# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Carolina Municipio, PR

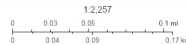
1 mile Ring Centered at 18.301499,-65.936523  
Population: 2,457  
Area in square miles: 3.14

A3 Landscape



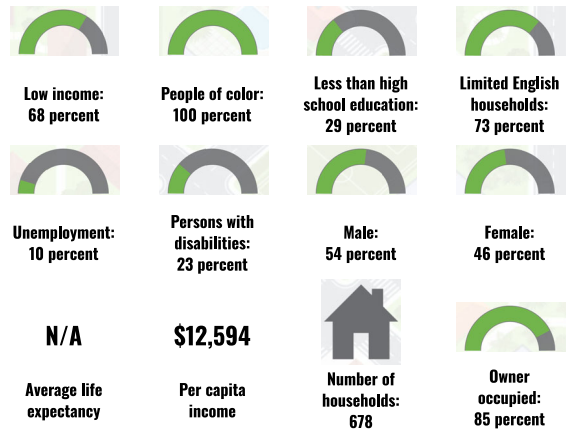
February 19, 2024

Project 1  
Search Result (point)



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, IGC

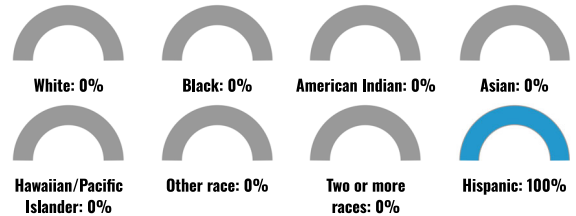
### COMMUNITY INFORMATION



### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	12%
Spanish	88%
Total Non-English	88%

### BREAKDOWN BY RACE



### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

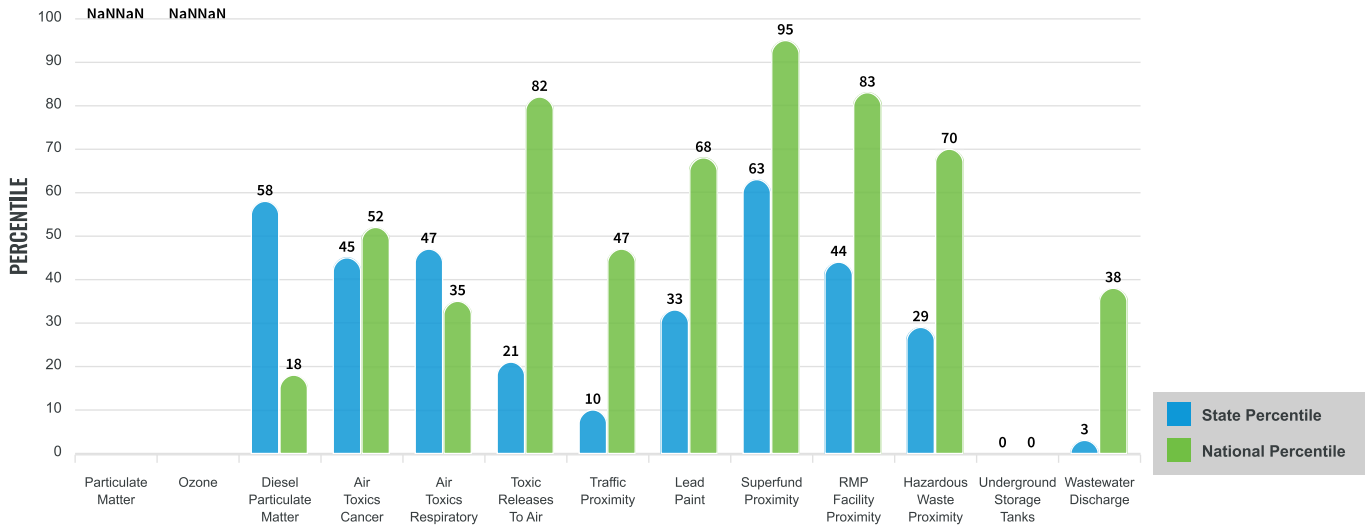
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

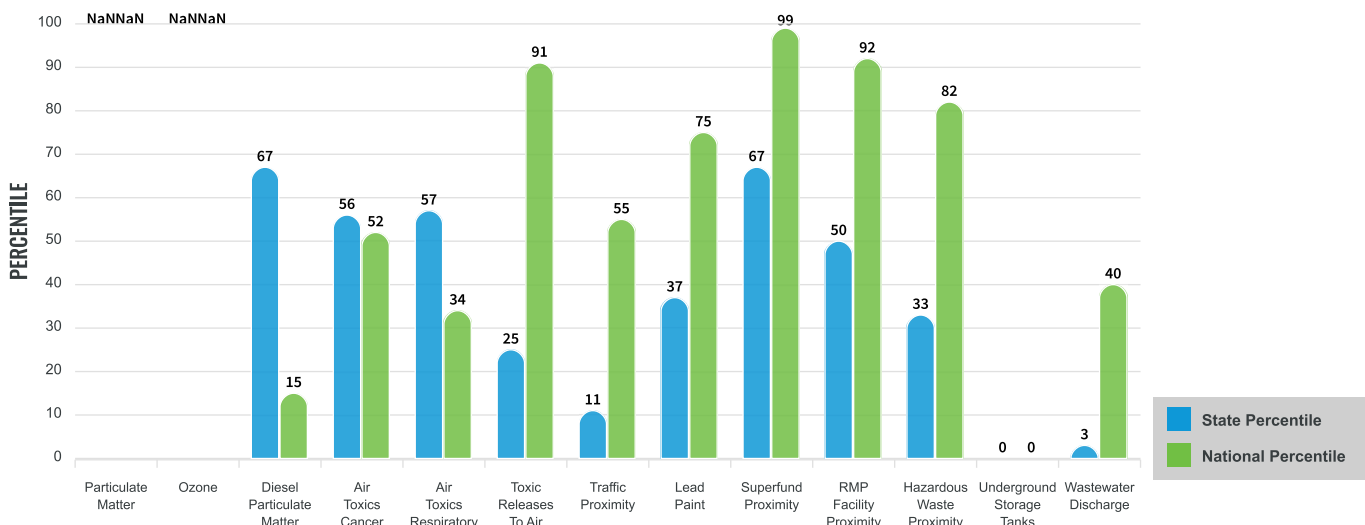
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 1 mile Ring Centered at 18.301499,-65.936523



# 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 ( $\mu\text{g}/\text{m}^3$ )	0.0472	0.0667	56	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	300	4,300	20	4,600	38
Traffic Proximity (daily traffic count/distance to road)	8.8	180	11	210	15
Lead Paint (% Pre-1960 Housing)	0.071	0.16	42	0.3	30
Superfund Proximity (site count/km distance)	0.11	0.15	65	0.13	70
RMP Facility Proximity (facility count/km distance)	0.15	0.47	44	0.43	45
Hazardous Waste Proximity (facility count/km distance)	0.16	0.76	30	1.9	30
Underground Storage Tanks (count/km <sup>2</sup> )	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	1.9E-05	2.3	4	22	20
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	84%	83%	36	35%	97
Supplemental Demographic Index	45%	43%	49	14%	99
People of Color	100%	96%	31	39%	98
Low Income	68%	70%	35	31%	93
Unemployment Rate	11%	15%	44	6%	83
Limited English Speaking Households	72%	67%	55	5%	99
Less Than High School Education	29%	21%	72	12%	90
Under Age 5	2%	4%	42	6%	24
Over Age 64	24%	22%	59	17%	77
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>.

## Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	0
Water Dischargers .....	2
Air Pollution .....	1
Brownfields .....	0
Toxic Release Inventory .....	0

## Other community features within defined area:

Schools .....	0
Hospitals .....	0
Places of Worship .....	0

## Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes
Selected location contains an EPA IRA disadvantaged community .....	Yes

Report for 1 mile Ring Centered at 18.301499,-65.936523

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	N/A	N/A	20%	N/A
Heart Disease	N/A	N/A	N/A	6.1	N/A
Asthma	N/A	N/A	N/A	10	N/A
Cancer	N/A	N/A	N/A	6.1	N/A
Persons with Disabilities	23.7%	21.6%	61	13.4%	93

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	N/A	N/A	N/A	12%	N/A
Wildfire Risk	N/A	N/A	N/A	14%	N/A

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	24%	32%	37	14%	80
Lack of Health Insurance	7%	7%	61	9%	53
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for 1 mile Ring Centered at 18.301499,-65.936523



**APPENDIX D**  
Endangered Species

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Date: November 2, 2023

Applicant ID: PR-RGRW-02735

Street Address: Bo. Barrazas Carr 853 km 11.3

Municipality: Carolina

**Subject – Endangered Species Concurrence for No Effect - PR-RGRW-02735 SOW 1**

Tetra Tech conducted a site specific review of endangered species 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 site located at Bo. Barrazas Carr 853 km 11.3, Municipality of Carolina, Puerto Rico (Parcel ID 174-000-001-89-000). The coordinates of the project site are 18.301502, -65.936519.

The proposed project area is located CARR 851 KM 1.4 INTERIOR CAMINO JULIN CRUZ BO LA GLORIA, Municipality of Trujillo Alto, Puerto Rico and is currently in use as a recao farm in the greenhouse system, the land was previously used to farm cattle approximately 50 years ago. The proposed project area will take place on frequently disturbed lands with low vegetation. construction and installation of a new greenhouse to be built of metal for growing of vegetables (peppers, cilantro, cilantro) at coordinates 18.256330, -66.896336. It would have no need of an under-soil irrigation system (see site photos in Appendix A).

The proposed scope of work entails construction and installation of a new greenhouse, it will be metal framed and used for growing of recao at coordinates 18.301694, -65.936497. The instillation of the greenhouse will require ground disturbance but will not require a below ground irrigation system. The applicant procures water from rain and a community tank and will use an above ground irrigation system to supply water to the greenhouse. Ground vegetation removal will be required for instillation of the greenhouse, but tree removal will not be required. During removal of vegetation best practices should be followed in accordance with USFWS Puerto Rican Boa Conservation Measures 2020 to avoid potential disturbance.

The National Wetlands Inventory indicated that there is one NWI mapped wetland within the proposed parcel and approximately 525 feet to the east of the proposed scope of work (Figure 14). There will be no effect to the wetland, see attached wetlands memo.

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

Species	Status
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Endangered



The proposed scope of work will take place on lands with low lying vegetation; that have been frequently disturbed. There will be ground disturbance for instillation of the greenhouse, and vegetation removal will be required, however there will be no tree removal required. Review iNaturalist.org has shown there have been no sightings of the listed species within 3 miles of the proposed area.

No Critical Habitats were noted within the project area (Figure 10). Based on the nature of the project, scope of work, information available, and a careful analysis of the Project Site, and IPaC species list, we have made the following effects determinations:

Species	Effect Determination	Conservation Measures to be implemented (if needed)
Puerto Rican Boa (Chilabothrus inornatus)	No effect	None

A 'No effect' determination has been made given the current and previous land use and lack of sightings of the listed species within the immediate vicinity.

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.

Attached to this letter, are the supplemental documents used to reach our effect determinations for the listed species.

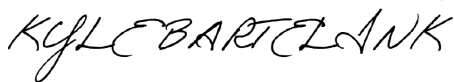
**Attachments:**

IPac Resource List

Wetland Memo

USFWS Puerto Rican Boa Conservation Measures 2020

Date Review Conducted: November 2, 2023



Reviewer Name: Kyle Bartelink, B.S Biologist

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Date: November 2, 2023

Applicant ID: PR-RGRW-02735

Street Address: Bo. Barrazas Carr 853 km 11.3

Municipality: Carolina

**Subject – Endangered Species Concurrence for No Effect - PR-RGRW-02735 SOW 2**

Tetra Tech conducted a site specific review of endangered species 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 site located at Bo. Barrazas Carr 853 km 11.3, Municipality of Carolina, Puerto Rico (Parcel ID 174-000-001-89-000). The coordinates of the project site are 18.301502, -65.936519.

The proposed project area is located CARR 851 KM 1.4 INTERIOR CAMINO JULIN CRUZ BO LA GLORIA, Municipality of Trujillo Alto, Puerto Rico and is currently in use as a recao farm in the greenhouse system, the land was previously used to farm cattle approximately 50 years ago. The proposed project area will take place on frequently disturbed lands with low vegetation. construction and installation of a new greenhouse to be built of metal for growing of vegetables (peppers, cilantro, cilantro) at coordinates 18.256330, -66.896336. It would have no need of an under-soil irrigation system (see site photos in Appendix A).

The proposed scope of work entails the installation of a second 100' x 32' metal greenhouse structure with plastic and saran. This greenhouse will be located at coordinates 18.301403, -65.936221, adjacent to the back of the existing greenhouse. The available terrace for the installation of the new structure is in use in an approximately 110' x 50' terrace. The instillation of the greenhouse will require ground disturbance but will not require a below ground irrigation system. The applicant procures water from rain and a community tank and will use an above ground irrigation system to supply water to the greenhouse. Ground vegetation removal will be required for instillation of the greenhouse, but tree removal will not be required. During removal of vegetation best practices should be followed in accordance with USFWS Puerto Rican Boa Conservation Measures 2020 to avoid potential disturbance.

The National Wetlands Inventory indicated that there is one NWI mapped wetland within the proposed parcel and approximately 347 feet to the east of the proposed scope of work (Figure 14). There will be no effect to the wetland, see attached wetlands memo.

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

Species	Status
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Endangered



The proposed scope of work will take place on lands with low lying vegetation; that have been frequently disturbed. There will be ground disturbance for instillation of the greenhouse, and vegetation removal will be required, however there will be no tree removal required. Review iNaturalist.org has shown there have been no sightings of the listed species within 3 miles of the proposed area.

No Critical Habitats were noted within the project area (Figure 10). Based on the nature of the project, scope of work, information available, and a careful analysis of the Project Site, and IPaC species list, we have made the following effects determinations:

Species	Effect Determination	Conservation Measures to be implemented (if needed)
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	No effect	None

A 'No effect' determination has been made given the current and previous land use and lack of sightings of the listed species within the immediate vicinity.

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.

Attached to this letter, are the supplemental documents used to reach our effect determinations for the listed species.

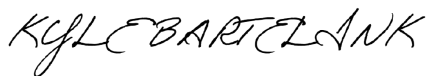
**Attachments:**

IPac Resource List

Wetland Memo

USFWS Puerto Rican Boa Conservation Measures 2020

Date Review Conducted: November 2, 2023



Reviewer Name: Kyle Bartelink, B.S Biologist



## 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: 2024-0044030  
Project Name: PR-RGRW-02735

February 01, 2024

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

**\*THE FOLLOWING SPECIES LIST IS NOT A SECTION 7 CONSULTATION. PLEASE CONTACT OUR OFFICE TO COMPLETE THE CONSULTATION PROCESS\***

The purpose of the Endangered Species Act (Act) is to provide a means whereby threatened, and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect those species and/or their designated critical habitat.

Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". The enclosed species list provides information to assist with the U.S. Fish and Wildlife Service (Service) consultation process under section 7 of the Act. However, **the enclosed species list does not complete the required consultation process**. The species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitats, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. A discussion between the Federal agency and the Service should include what types of listed species may occur in the proposed action area and what effect the proposed action may have on those species. This process initiates informal consultation.

Once a species list is obtained for the proposed project, an effect determination for endangered and threatened species should be made. The applicant could make an effect determination by using available keys on IPaC for specific species. For species with no determination keys, the applicant should request concurrence from the Service by sending a project package



to [caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov). To obtain guidance for completing this process and the minimum requirements for project packages, please visit:

<https://www.fws.gov/sites/default/files/documents/consultation-under-section-7-of-the-endangered-species-act-with-the-caribbean-ecological%20Services-field-office-template-letter.pdf>

When a federal agency, after discussions with the Service, determines that the proposed action is not likely to adversely affect any listed species, or adversely modify any designated critical habitat, and the Service concurs, the informal consultation is complete, and the proposed project moves ahead. If the proposed action is suspected to affect a listed species or modify designated critical habitat, the Federal agency may then prepare a Biological Assessment (B.A.) to assist in its determination of the project's effects on species and their habitat. However, a B.A. is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a B.A. where the agency provides the Service with an evaluation on the likely effects of the action to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a B.A. are described at 50 CFR 402.12.

If a federal agency determines, based on its B.A. or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to further consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation process. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species.

This list is provided pursuant to Section 7 of the Endangered Species Act and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". Please use this list to determine whether your project requires consultation and to make your effects determination. For more guidance, use the Guideline for Consultation under Section 7 of the Endangered Species Act with the Caribbean Ecological Services Field Office by clicking [here](#).

This species list is provided by:

Caribbean Ecological Services Field Office

[caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov)

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

## OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Caribbean Ecological Services Field Office**

Post Office Box 491

Boqueron, PR 00622-0491

(787) 834-1600



## PROJECT SUMMARY

Project Code: 2024-0044030

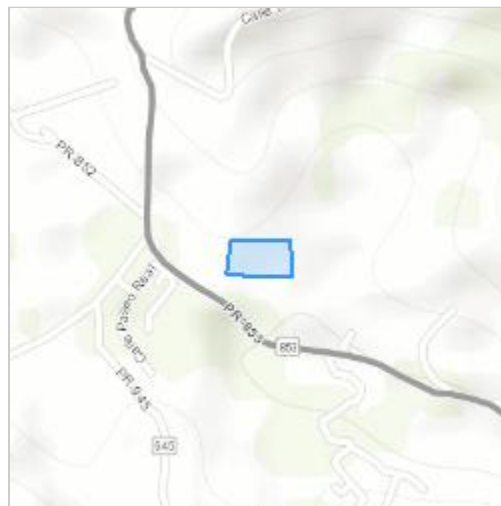
Project Name: PR-RGRW-02735

Project Type: Restoration / Enhancement - Agricultural

Project Description: The proposed project site located at Bo. Barrazas Carr 853 km 11.3, Carolina, Puerto Rico (Parcel ID# 174-000-001-89-000), will be funded under the ReGrow PR Urban-Rural Agricultural Program. The proposed project includes the purchase of a tractor and two greenhouses. This land is currently used for growing of recao using greenhouse system. The applicant plans to purchase and install two greenhouses for the crop of recao. The Scope of Work 1- is the installation of a 100' x 32' metal greenhouse structure with plastic and seran cover; the greenhouse will be anchored to the ground by supports to a depth of 2 feet. The structure is going to be instated on an available terrace of approximately 120' x 60' located at coordinates 18.301694, -65.936497. The Scope of Work 2 - is the installation of a second 100' x 32' metal greenhouse structure with plastic and seran; the greenhouse will be anchored to the ground by supports to a depth of 2 feet. This greenhouse will be located at coordinates 18.301403, -65.936221, adjacent to the back of the existing greenhouse. The available terrace for the installation of the new structure is in use is approximately 110' x 50' terrace. No power connections are needed. The water supply comes from rainwater stored in tanks using rain harvesting techniques. The new greenhouses will be connected using aboveground PVC tube pipes. Vegetation clearing and minimal ground leveling is anticipated at both locations.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.301471499999998,-65.93626079468655,14z>



Counties: Carolina County, Puerto Rico

## ENDANGERED SPECIES ACT SPECIES

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA 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/3G5HTZL4QBF4NAQHVEV3HQNZOI/documents/generated/7159.pdf">https://ipac.ecosphere.fws.gov/project/3G5HTZL4QBF4NAQHVEV3HQNZOI/documents/generated/7159.pdf</a>	Endangered

## CRITICAL HABITATS

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

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.



## BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act<sup>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 in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

---

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 in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

---

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.

## WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.



## **IPAC USER CONTACT INFORMATION**

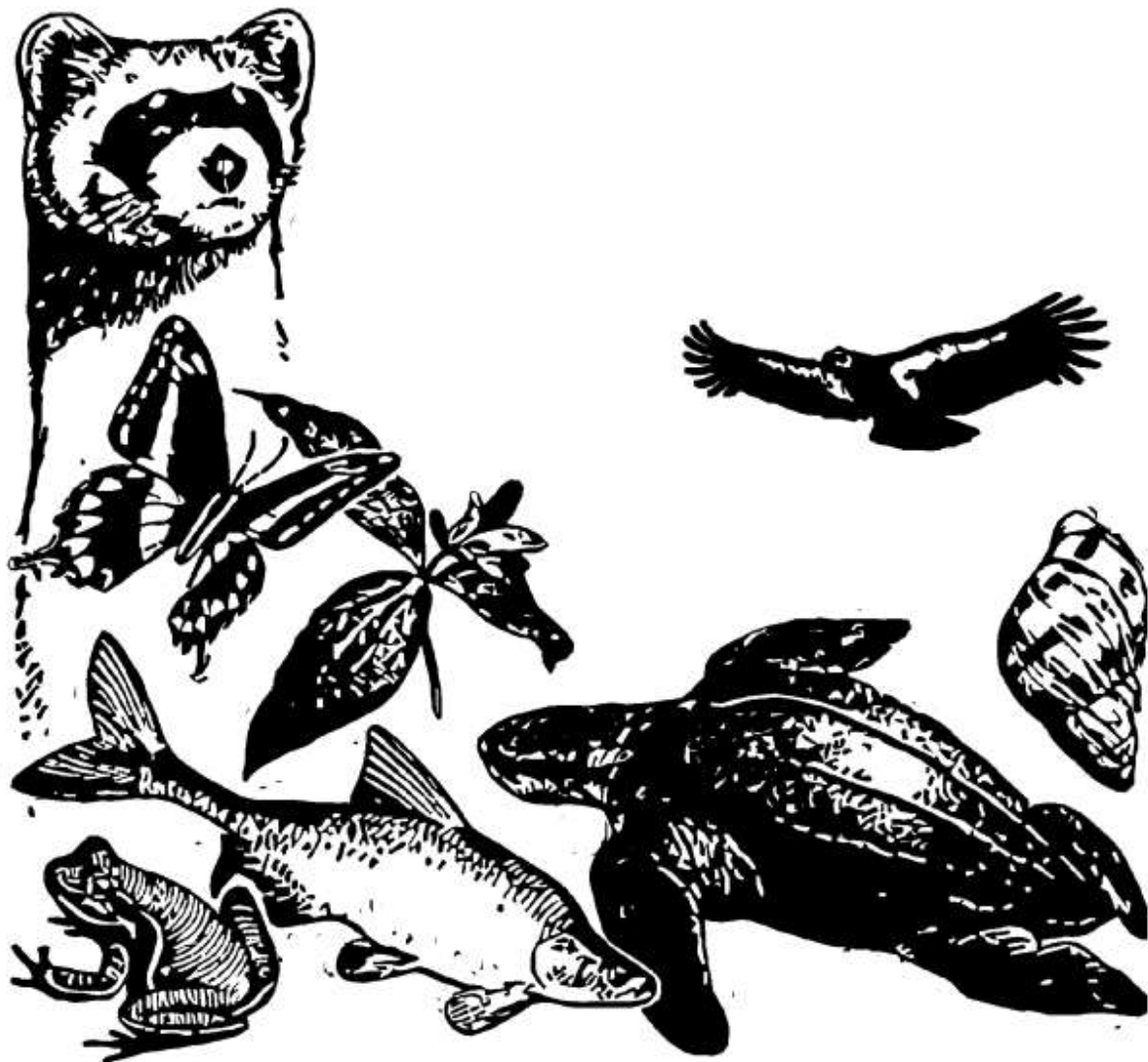
Agency: Tetra Tech  
Name: Shelby McDowell  
Address: 2301 Lucien Way #120  
City: Maitland  
State: FL  
Zip: 32751  
Email: shelby.mcdowell@tetratech.com  
Phone: 4096591563

# USFWS Puerto Rican boa Conservation Measures

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## *Puerto Rican Boa*

Generated August 21, 2023 01:53 PM UTC, IPaC v6.96.0-rc4





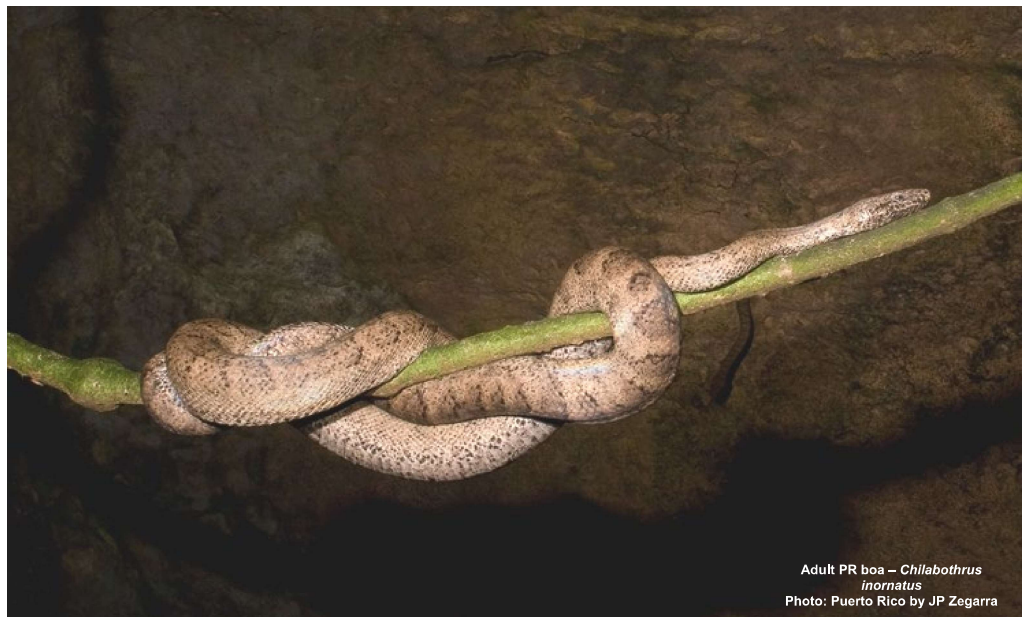


## U.S. FISH AND WILDLIFE SERVICE CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

### Conservation Measures for the Puerto Rican boa (*Chilabothrus inornatus*)

Section 7 (a)(1) of the Endangered Species Act (ESA) charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies, through consultation with the U.S. Fish and Wildlife Service (Service), to ensure their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats. Section 7 applies to the management of Federal lands as well as Federal actions that may affect listed species, such as Federal approval of private activities through the issuance of Federal funding, permits, licenses, or other actions. Any person that injures, captures, or kills a Puerto Rico boa is subject to penalties under the ESA. If Federal funds or permits are needed, the funding or permitting agency should initiate Section 7 consultation with the Service. To initiate a consultation under the Section 7 of the ESA, you must submit a project package with the established minimum requirements. These conservation measures should be incorporated into the project plans to minimize possible impacts to the species.

The endangered Puerto Rican (PR) boa (*Chilabothrus inornatus*, formerly *Epicrates inornatus*) is the largest endemic snake species that inhabits Puerto Rico. The PR boa is non-venomous and does not pose any life threatening danger to humans, but some individuals may try to bite if disturbed or during capture or handling. Its body color ranges from tan to dark brown with irregular diffuse marking on the dorsum, but some individuals lack marking and are uniformly dark. Juveniles may have a reddish color with more pronounced markings. In general, as they mature, their body color tends to darken.



The Puerto Rican boa was federally listed in 1970. Currently, the species has an island-wide distribution and occurs in a wide variety of habitat types ranging from wet montane to subtropical dry forest, and can be found from mature forest to areas with different degrees of human disturbance like roadsides or houses, especially if near their habitat in rural areas. This boa is considered mostly nocturnal, remaining less active, concealed or basking under the sun during the day.

The Service has developed the following conservation measures with the purpose of assisting others to avoid or minimize adverse effects to the PR boa and its habitat. These recommendations may be incorporated into new project plans and under certain circumstances into existing projects. Depending on the project, additional conservation measures can be implemented besides the ones presented in this document.

#### Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.
2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.
3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.
4. The PR boa is considered more active at night. Thus, in order to maximize its detection, the species should be searched at nights prior to habitat disturbance.
5. Once the area has been searched for PR boas, vegetation should first be cleared by hand to the maximum extent possible. Vegetation should be cut about one meter above ground prior to the use of heavy machinery for land clearing. Cutting vegetation by hand will allow boas present on site to move away on their own to adjacent available habitat. Any stone walls or naturally occurring rock piles must be carefully dismantled by hand as these are refuges for the snake. This will allow any boas present to vacate the site without injury.
6. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.



7. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #6). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #: ((787) 724-5700, (787) 230-5550, (787) 771-1124). If immediate relocation is not an option, project-related activities at this area must stop until the boa moves out of harm's way on its own. Activities at other work sites, where no boas have been found after surveying the area, may continue.
8. If a PR boa is captured by the PRDNER, record the name of the PRDNER staff and information on where the PR boa will be taken. This information should be reported to the Service.
9. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #7). If not possible, the animal should be left alone until it leaves the vehicle on its own.
10. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
11. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #6). If the PR boa was accidentally? killed as part of the project actions, please include information on what conservation measures had been implemented and what actions that will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.
12. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

If you have any questions regarding the above conservation measures, please contact the Service:

- Marelisa Rivera, Deputy Field Supervisor
  - Email: [marelisa\\_rivera@fws.gov](mailto:marelisa_rivera@fws.gov)
  - Office phone (786) 244-0081 or mobile (305) 304-1814
- José Cruz-Burgos, Endangered Species Coordinator
  - Email: [jose\\_cruz-burgos@fws.gov](mailto:jose_cruz-burgos@fws.gov)
  - Office phone (786) 244-0081 or mobile (305) 304-1386

Date: November 2, 2023

Applicant ID: PR-RGRW-02735

Street Address: Bo. Barrazas Carr 853 km 11.3

Zip Code: 00987

County: Carolina

Subject: Site-Specific Wetland Review

A feature defined by the National Wetlands Inventory (NWI) as a seasonally flooded riverine streambed environment with an unconsolidated bottom (R4SBC) is located inside the parcel boundary and approximately 525 feet to the east of the from Scope of Work 1, and 347 feet to the east of Scope of Work 2. Photographic documentation from a site visit conducted on May 31, 2023 indicates that the land is frequently disturbed, and only low lying grasses are growing in the proposed work area. The Scope of Work (SOW) for this project includes the purchase of a tractor and two greenhouses. This land is currently used for growing of recao using greenhouse system. The applicant plans to purchase and install two greenhouses for the crop of recao. No power connections are needed. The water supply comes from rainwater stored in tanks using rain harvesting techniques. The new greenhouses will be connected using aboveground PVC tube pipes. Review of the historic imagery shows that the land has been frequently disturbed, and the proposed scope of work will take place on the disturbed areas. Soils data from the United States Department of Agriculture Web Soil Survey indicates there are no hydric soils in the proposed area of effect. A review of historic aerial imagery does not indicate that the defined feature approaches closer to the site than is indicated by NWI mapping. Based on USACE Wetland Determination Criteria, this site does not meet all three parameters of wetland criteria.

The land is currently currently in use as a recao farm in the greenhouse system, the land was previously used to farm cattle approximately 50 years ago. Due to the nature of the work, and distance from the wetland it has been determined that the proposed work will have not adversely effect the wetland.

*Based on a review of available resources, the project would not adversely impact wetlands if the General Conditions relative to wetlands protection and water quality will be implemented, including:*

- a. Implement and maintain erosion and sedimentation control measures sufficient to prevent deposition of sediment and eroded soil in onsite and offsite wetlands and waters and to prevent erosion in onsite and offsite wetlands and waters.*
- b. Minimize soil compaction by minimizing project ground disturbing activities in vegetated areas, including lawns.*

Kyle Bartelink



Biologist, Tetra Tech

November 2, 2023



# **APPENDIX E**

## **Section 106 Consultation**



## GOVERNMENT OF PUERTO RICO

STATE HISTORIC PRESERVATION OFFICE

Executive Director | Carlos A. Rubio-Cancela | carubio@prshpo.pr.gov

November 22, 2023

### Lauren Bair Poche

HORNE-Architectural Historian Manager  
10000 Perkins Rowe, Suite 610, Bldg G  
Baton Rouge, LA 70810

SHPO: 11-15-23-04 PR-RGRW-02735 AGROJIBARO LLC., BO. BARRAZAS CARR.  
853 KM. 11.3, CAROLINA, PUERTO RICO

Dear Ms. Bair,

Our Office has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the *National Historic Preservation Act, as amended*) and 36 CFR Part 800: *Protection of Historic Properties* from the Advisory Council on Historic Preservation. The State Historic Preservation Officer (SHPO) is to advise and assist federal agencies and other responsible entities when identifying historic properties, assessing effects upon them, and considering alternatives to avoid or reduce the project's effects.

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/ODJR





November 15, 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-02735 – Agrojibaro LLC – Bo. Barrazas Carr 853 km 11.3, Carolina, 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 Agrojibaro LLC located at Bo. Barrazas Carr 853 km 11.3, in the municipality of Carolina. The undertaking for this project includes the purchase and installation of two greenhouses and the purchase of a tractor. The greenhouses will each measure approximately 100' by 32' and will be anchored to the ground by supports at a depth of 2 feet. Vegetation clearing and minimal ground leveling is anticipated at both locations.

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, EHP 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>Subrecipient:</b> Agrojibaro LLC		
<b>Case ID:</b> PR-RGRW-02735	<b>City:</b> Carolina	

<b>Project Location:</b> Bo. Barrazas Carr 853 km 11.3	
<b>Project Coordinates:</b> 18.301502, -65.936519	
<b>TPID (Número de Catastro):</b> 174-000-001-89-000	
<b>Type of Undertaking:</b>	
<input type="checkbox"/> Substantial Repair	
<input checked="" type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b> c1985	<b>Property Size (acres):</b> 56.4

<b>SOI-Qualified Architect/Architectural Historian:</b> Maria F. Lopez Schmid
<b>Date Reviewed:</b> 10/12/2023
<b>SOI-Qualified Archaeologist:</b> Roberto G. Muñoz-Pando, PhD
<b>Date Reviewed:</b> 10/12/2023/ 10/26/2023

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 scope of work for this project includes the purchase of a tractor and two greenhouses. This land is currently used for growing of recaó using greenhouse system. The applicant plans to purchase and install two greenhouses for the crop of recaó.

The Scope of Work 1- is the installation of a 100' x 32' metal greenhouse structure with plastic and seran cover; the greenhouse will be anchored to the ground by supports to a depth of 2 feet. The structure is going to be instated on an available terrace of approximately 120' x 60' located at coordinates 18.301694, -65.936497.

The Scope of Work 2 - is the installation of a second 100' x 32' metal greenhouse structure with plastic and seran; the greenhouse will be anchored to the ground by supports to a depth of 2 feet.. This greenhouse will be located at coordinates 18.301403, -65.936221, adjacent to the back of the existing greenhouse. The available terrace for the installation of the new structure is in use is approximately 110' x 50' terrace.

No power connections are needed. The water supply comes from rainwater stored in tanks using rain harvesting techniques. The new greenhouses will be connected using



<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>Subrecipient:</b> Agrojibaro LLC	
<b>Case ID:</b> PR-RGRW-02735	<b>City:</b> Carolina


aboveground PVC tube pipes. Vegetation clearing and minimal ground leveling is anticipated at both locations.

### 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 proposed locations of the two new 100 by 32ft greenhouses with a 15-meter buffer around each proposed greenhouse location. The visual APE is the viewshed of the proposed project.

### 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 the project area has one previously identified archaeological site located approximately 0.19 miles west of the project area. It is a precolonial site with precolonial and postcolonial ceramics and lithics. It is called the Archaeological mitigation of the Barrazas Site. It is currently destroyed. Its SHPO ID# is 10-19-90-04 and the ICP # is CL-0100008 and the object id number is CA-8. Additionally, the project area is located within the scope of a large-scale Phase 1B archaeological survey called "Documentación de Algunos Yacimientos Arqueológicos Ubicados en el Cuadrángulo de Gurabo, Carolina, Puerto Rico." This study was led by Madeliz Gutiérrez in 2003 and its code numbers are EAP 3851 and ICP/CAT-CA-03-19-01. Even though this study is large scale, the only previously recorded archaeological site within a 0.5 mile radius of the project area is the CA-8 which unfortunately has been destroyed. The soil that mainly comprises the APE and its surroundings is Caguabo clay loam (CbF) with 20 to 60 percent slopes. The slope of the soil plus the relative small amount (one) of previously identified archaeological sites in spite of the large scale phase 1B archaeological survey conducted in 2003, leads us to conclude that the probability of finding new and significant archaeological site in or near the APE is low to moderate.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>ReGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Agrojibaro LLC	
<b>Case ID:</b> PR-RGRW-02735	<b>City:</b> Carolina

**Identification of Historic Properties - Architecture**

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area shows that the project area is **not** within the boundaries of a National Register of Historic Places (NRHP)-eligible or listed Traditional Urban Center or Historic District. Additionally, there are **no** NRHP-listed historic properties within the quarter mile buffer zone from the APE.

The proposed project is located in a rural mountainous terrain. The property lies northeast of Route PR-853 in Carolina, near the limit with the town of Trujillo Alto to the west. A circa 1985 building that is the applicant's house, is located north of the APE geocoordinates. The building, shown below, appears on a 1994 aerial image shown below left, but not on a 1977 aerial image. A metal roof addition on the right side of the building appears in the 2023 aerial image shown below right.



**Figures 1 & 2.** Detail of 1994 aerial image and of 2023 aerial image indicating the location of the building on the property.

The building on the property is used for storage and it is located west of the existing greenhouse. The two-story building has a concrete slab on grade foundation, reinforced concrete walls, and flat roof with overhangs. An addition on the right side has a metal roof over a wood frame structure. The building has metal double doors in front, has missing windows, and some of the openings are covered with concrete blocks. The second level is recessed from the front elevation, has no fenestrations or staircase to reach it.

Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina



**Figures 3 & 4.** Image of the existing building on the property, view to the southeast and to the southwest.

This building is modern and it **does not** meet the requirements to be eligible for listing on the National Register of Historic Places.


### Determination

The following historic properties have been identified within the APE:

- Direct Effect:  
N/A
- Indirect Effect:  
N/A

Based on the results of our historic property identification efforts, the Program has determined that project actions will not affect the historic properties that compose the Area of Potential Effect. 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. No known archaeological sites or NRHP-listed/eligible historic properties are within or adjacent to the property or the parcel where the Area of Potential Effect of case PR-RGRW-02735 is located. As described in the identification of historic properties section of this form, in 2003 there was a large-scale Phase 1B archaeological survey conducted in this area and very few sites were found. The only previously recorded archaeological site within a 0.5 mile radius of the project area is the CA-8, which was located 0.19 miles west of the project area but unfortunately has been destroyed. The slope for the terrain in the APE is 20 to 60 percent. Based on our data analysis, the probabilities for new significant archaeological sites to be found on or near the project area is considered low to moderate. Therefore, no historic properties will be affected by the proposed project activities.



<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>Subrecipient:</b> Agrojibaro LLC	
<b>Case ID:</b> PR-RGRW-02735	<b>City:</b> Carolina

**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:  <input type="checkbox"/> <b>Concurs</b> with the information provided. <input type="checkbox"/> <b>Does not concur</b> with the information provided.	
<b>Comments:</b>   	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina

### Project (Parcel) Location – Area of Potential Effect Map (Aerial)



File Path: Z:\data\SPRINT\02735 - Agrojibaro LLC - Secondary - Imagery.mxd






**TETRA TECH**

Source: CRIM

Author: TG

Date: 10/7/2022

#### Legend

-  Tier 2 Site
-  Area of Potential Effect
-  Parcelario

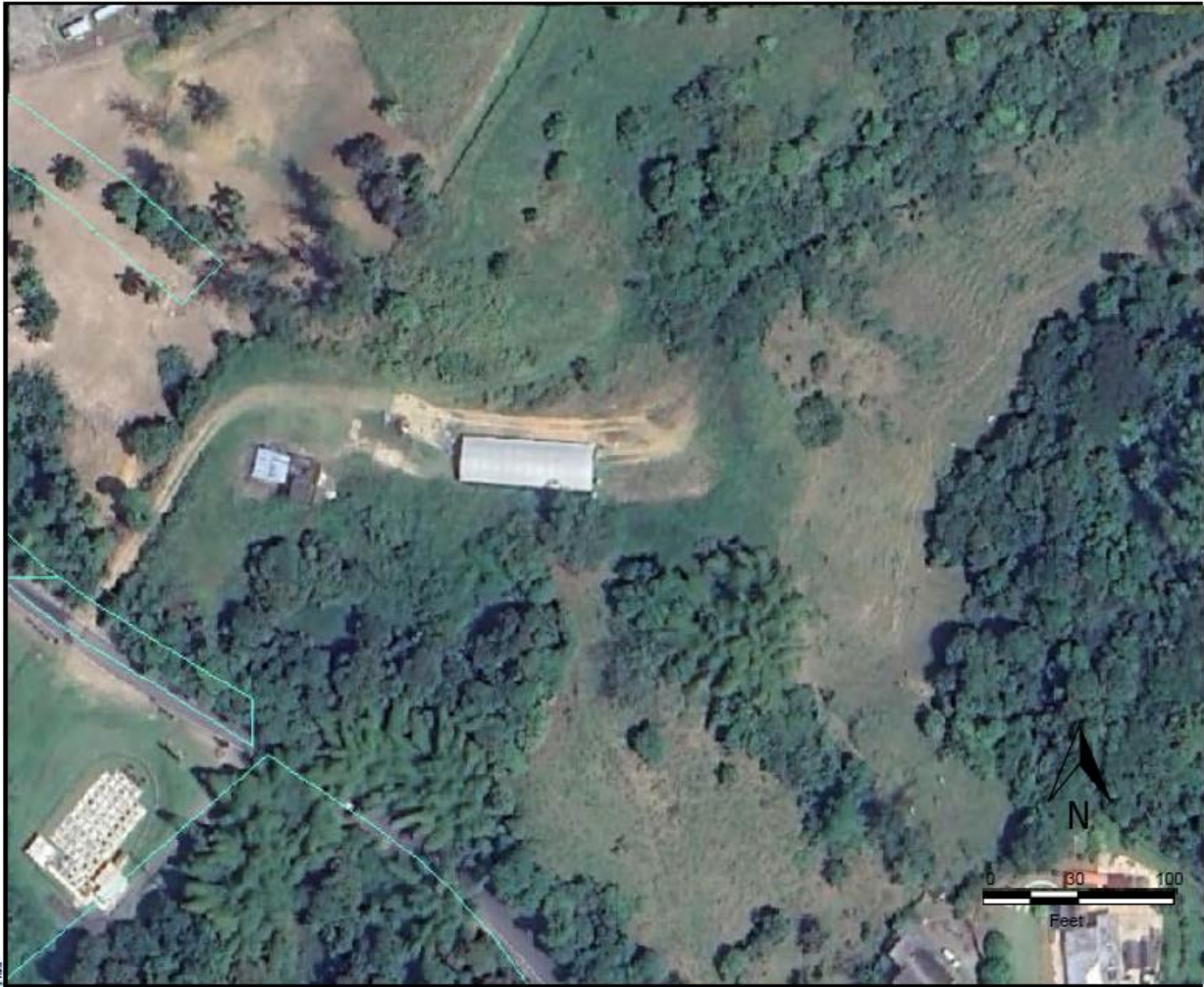


Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina

### Project (Parcel) Location - Aerial Map



File Path: Z:\Map\USPRT\Map\VEP\_Archaeology\_Secords\106\02735.mxd







Source: CRIM

Author: TG

Date: 10/7/2022

#### Legend

-  Tier 2 Site
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon





Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina

### Project (Parcel) Location - USGS Topographic Map







**TETRA TECH**

Source: USGS

Author: TG

Date: 9/29/2022

#### Legend

-  Tier 2 Site
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon



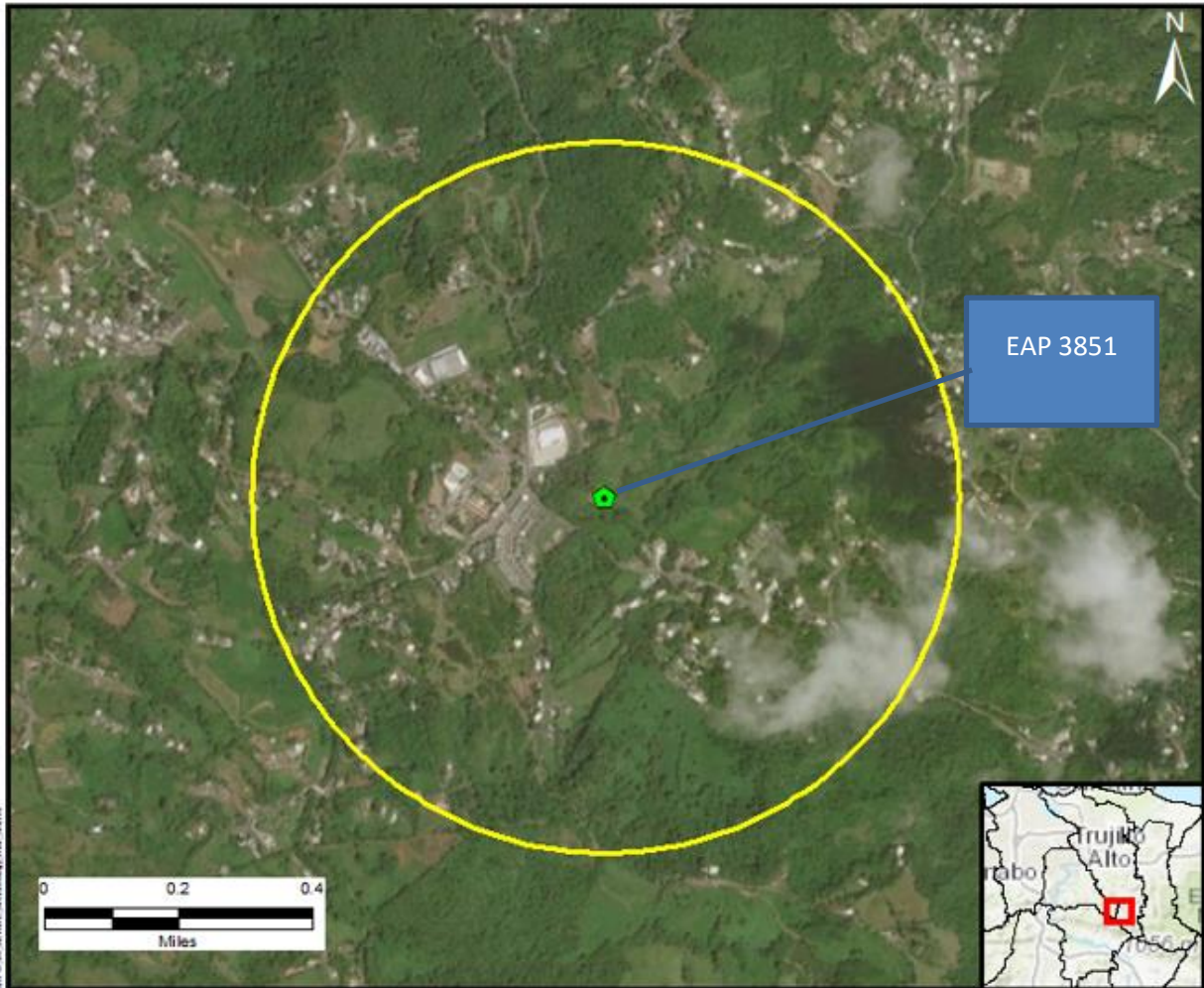


Subrecipient: Agrojibaro LLC






Case ID: PR-RGRW-02735

City: Carolina

### Project (Parcel) Location with Previous Investigations - Aerial Map



Source: National Park Service

- Legend
-  Tier 2 Site
  -  Half Mile Buffer
  -  Historic Comunidades
  -  Traditional Urban Centers
  -  Cultural Resource District Polygon

Author: TG

Date: 9/29/2022

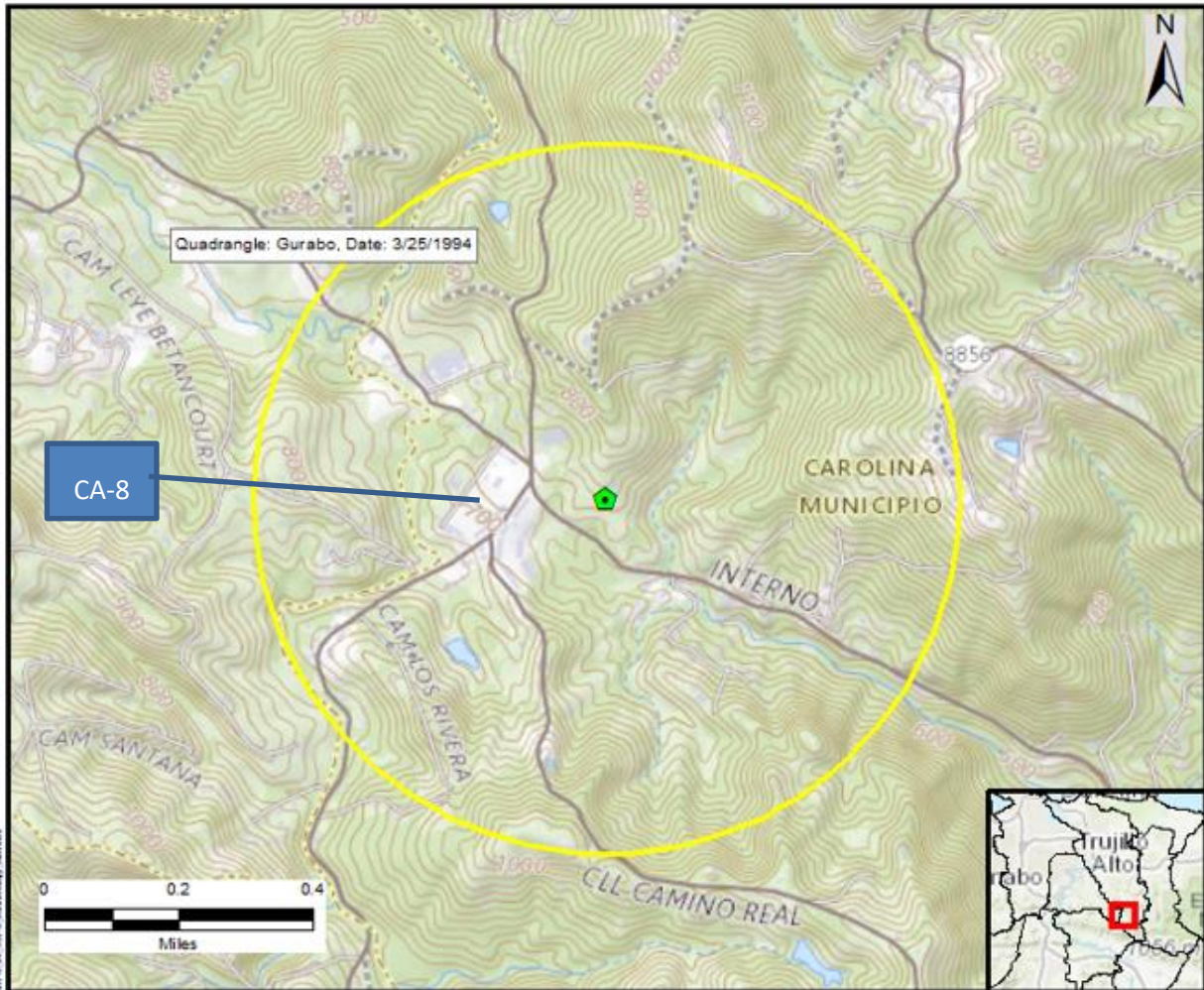


Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina

### Project (Parcel) Location with Previously Recorded Cultural Resources USGS Topographic Map



Source: National Park Service

Author: TG

Date: 9/29/2022

- Legend
- Tier 2 Site
  - Half Mile Buffer
  - Historic Comunidades
  - Traditional Urban Centers
  - Cultural Resource District Polygon

Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina

### Photograph Key





Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina



Photo #: 1

Description (include direction): View to the West

Date: 5/31/2023

Scope Of Work 1: Installation of a greenhouse



Photo #: 2

Description (include direction): View to the Southwest

Date: 5/31/2023

Scope Of Work 1: Installation of a greenhouse



Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina



Photo #: 3

Description (include direction): View to the North

Date: 5/31/2023

Scope Of Work 1: Installation of a greenhouse



Photo #: 4

Description (include direction): View to the Southeast

Date: 5/31/2023

Scope Of Work 2: Installation of a greenhouse

Subrecipient: Agrojibaro LLC

Case ID: PR-RGRW-02735

City: Carolina



Photo #: 5

Description (include direction): View to the Southwest

Date: 5/31/2023

Scope Of Work 2: Installation of a greenhouse



Photo #: 6

Description (include direction): View to the West

Date: 5/31/2023

Scope Of Work 2: Installation of a greenhouse



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