

# **Flood Environmental Assessment**

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

### **24 CFR Part 58**

#### **Project Information**

**Project ID:** PR-RGRW-03935

**Project Name:** Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

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

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

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

**Preparer:** Shelby McDowell, revised by Gabriela Rodríguez

**Certifying Officer Name and Title:** Permit and Compliance Officers: Sally Acevedo Cosme, Pedro De León Rodríguez, María T. Torres Bregón, Ángel G. López-Guzmán, Ivelisse Lorenzo Torres, Santa Damarys Ramírez Lebrón, Janette I. Cambrelén, Limary Vélez-Marrero, Juan Carlos Perez Bofill, Mónica Machuca Ríos, Javier Mercado Barrera, and Abdul Feliciano Plaza.

**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 4.86-acre site located at KM 13 Carr 174 Barrio Guaraguao Arriba in the Municipality of Bayamon, Puerto Rico (Parcel ID# 170-038-034-08). The coordinates of the project site are 18.299386, -66.139183.

The proposed project will be situated on a vacant lot proposed to be used for agricultural purposes.

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

The intent use of funds for the proposed project consists of the purchase of compost cover materials, farming materials, and the purchase and installation of an irrigation system and shade cover, a solar system, and 2 storage containers. The compost cover materials include the purchase of lumber, galvalume and maxiseal teks. The farming materials includes the purchase of planting pots, shade net, greenhouse polyclips, hosepoly, and planting trays.

The Scope of work 1 (SOW-1) is the installation of a shade structure with Saran and an

overhead irrigation system at coordinates 18.2993410, -66.1390602. The applicant proposes to use an estimated area of 50-foot (ft) X 60 ft for the plantation of species under the shade structure. The proposed shade structure requires at least 22 posts at a 3 ft depth, for anchoring purposes. The proposed shaded plantation area will be irrigated with an above ground system that consists of 3 Poly tubing of ½ inches by 100 ft and 62 psi. The applicant plans to install a rain harvesting system to be used as water supply for the irrigation. The rain harvesting systems components are not included in the IUGF but are evaluated in the EA. The system includes a storage tank, pvc pipes, small miscellaneous parts and the connection activities to the irrigation system.

The Scope of work 2 (SOW-2) is the purchase and installation of a photovoltaic system at coordinates 18.2993862, -66.1391839. The applicant proposes a 14,000-kW solar system composed of 8 solar panels with a 7.5 kWh lithium battery. The system would be installed on top of the proposed storage container. Battery and inverter will be installed inside the storage container. No transfer switch is required.

The Scope of work 3 (SOW-3) is the purchase and installation of two storage containers at coordinates 18.2993862, -66.1391839. The proposed containers are “used in good conditions” 40 ft, no wheels, containers. Each container will be anchored with the construction of at least six (6) on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The proposed container will be used for the storage of fertilizer, farm equipment, and materials. The applicant plans to install in the middle of the 2 containers location an additional roofed area. Together with the containers, the galvalume roof will provide the collection area for the rain harvesting system. The proposed compost covered area is an approximate 46 ft x 16 ft wood and galvalume roof structure. Lumber post will be anchored with the construction of at least 16 on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft.

No new water or power (LUMA/PREPA) connection is required. Power needed to operate storage containers and battery equipment charge will be provided by the proposed photovoltaic system. Water for the irrigation of species plantation will be collected from the rain and will convey via gravity with the use of elevation difference between storage and irrigation area. System will be installed aboveground. While the applicant plans to pay for this activity themselves and no HUD funds would be utilized for this portion of work, the potential impacts from this action are included in the analyses below.

All SOW project sites will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal. The potential impacts from described actions are included in the analyses and it is contained within the delimited Area of Potential Effect (APE). The APE for the proposed project is approximately 0.38 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 begin productivity of the farm. This agricultural project associated with the construction of a shade structure, photovoltaic system, and storage containers 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 construction of a shade structure, photovoltaic system, and storage containers is currently not in use. Therefore, there is change in land use associated with the project. Some ground disturbance will be required.

The proposed project is located in a rural, mountainous terrain surrounded by mature vegetation. The property lies east of Route PR-174 in Bayamon near the boundary with the town of Guaynabo to the east. The town boundary line follows the Quebrada Sonadora creek in this area.

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

**Estimated Total HUD Funded Amount:** \$27,000.00

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$30,656.31

**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 or approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

<b>Compliance Factors:</b> Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The nearest civil airport, “San Juan/Fernando Luis Ribas Dominicci Airport”, is approximately 57,898 feet from the proposed site. The nearest military airport, “Aeropuerto Internacional Luis Muñoz Marín”, is approximately 65,260 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> .
<b>Coastal Barrier Resources</b>  Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	Puerto Rico has various Coastal Barrier Resources Systems (CBRS). The project is in northeastern Puerto Rico. The distance to the nearest CBRS unit is 60,764 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> .
<b>Flood Insurance</b>	Yes    No	The Project site is located in Zone X, area of minimal flood hazard, as per Floodplain

Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Insurance Map (FIRM) 72000C0720H, effective date April 19, 2005. This project is in compliance with Floodplain Insurance requirements. (See Figures 4 and 5 in <b>Appendix B.</b> )
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**STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5**

<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 list of municipalities located with non-attainment status includes Arecibo, Bayamon, Catano, Guaynabo, Salinas, San Juan and Toa Baja. The Project site is located in the Municipio of Bayamon, a county or air quality management district that is non-attainment status for Sulfur Dioxide. The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. would have no impact on air quality. The non-attainment status is a part county exceedance. The area associated with non-attainment in Bayamon is Juan Sanchez Ward. The applicant is not located in that ward and therefore is not located in a nonattainment area. The Sulfur Dioxide (2010) Designated Area/Area/County Report information was not available for the area and therefore not considered in the review. The project is in compliance with Clean Air Act. Refer to EPA listing in <b>Appendix C.</b></p>
<p><b>Coastal Zone Management</b></p> <p>Coastal Zone Management Act, sections 307(c) &amp; (d)</p>	<p>Yes   No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The project is located 37,297 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 January 11, 2024, no debris or rubbish or visible signs vegetative stress, contamination, or toxic substances were identified at the project site. The project consists of the installation of a shade structure for growing plants and irrigation system, the</p>

		<p>purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials.</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>The Arenero Estrella, 2,825 feet north of the project site, is an AIR listed site. As a CAA site it is considered as operating with no violations identified. See ECHO report in <b>Appendix C</b>.</p> <p>Refer to Figures 8 and 9 in <b>Appendix B</b> and the Site inspection report and photos in <b>Appendix A</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 checked="" type="checkbox"/>    <input type="checkbox"/></p>	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The proposed location of project is an area that is currently unused.</p> <p>According to EPA NEPAassist Enviromapper, the nearest critical or proposed critical habitat is 51,850 feet to the northwest 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 project is Not Likely to Adversely Affect the Puerto Rican Boa provided conservation measures are implemented as part of the project.</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.</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 consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The project does not include development, construction, or rehabilitation of a hazardous site or any construction 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 sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The project site is not designated as farmland of statewide importance or prime farmland. The project does not include 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>

		This project is in compliance with the Farmland Protection Policy Act. Refer to Figure 12 in <b>Appendix B.</b>
<p><b>Floodplain Management</b></p> <p>Executive Order 11988, as amended by Executive Order 13690, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The proposed project is not located in a Federal Flood Risk Management Standard (FFRMS) floodplain. FFRMS was determine using the 0.2-Percent-Annual-Chance (PAC) (500- Year) Flood Approach.</p> <p>The Project site is not located in an Advisory Base Flood Elevation (ABFE) special flood hazard area as per ABFE Map 72000C0720H, effective date April 13, 2018. Since the project site does not lies within the 1 percent (100-year), nor within the 0.2 PAC floodplain on the ABFE, it is not within the FFRMS.</p> <p>PFIRMs in Puerto Rico were only developed for certain sections of the municipalities of Carolina, Canóvanas, Loiza, San Juan and Trujillo Alto. The proposed project is located in the municipality of Bayamon; therefore, PFIRM information was not available for the area and therefore not considered in the review.</p> <p>This project is in compliance with Executive Order 11988 and Order 13690. See Figure 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</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The site was evaluated on February 15, 2024, by an SOI Qualified Architect/Architectural Historian. Additionally, the site was evaluated on March 1, 2024, by an SOI Qualified Archaeologist. SHPO concurred with a finding of <b>No Historic Properties Affected</b> within the project’s Area of Potential on Effects on June 28, 2024.</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</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials.</p>

<p>Communities Act of 1978; 24 CFR Part 51 Subpart B</p>		<p>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  <input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>There are no EPA sole source aquifers in Puerto Rico. The nearest Sole Source Aquifer is 5,444,394 feet to the northwest of the project site. The project is in compliance with Sole Source Aquifer requirements.</p> <p>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  <input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials.</p> <p>The north coast is 48,118 feet north of the property. The closest freshwater body is the Río Bayamón, 142 ft to the east of the project APE.</p> <p>The NWI identifies the Río Bayamón as a riverine wetland. Due to the natural dense vegetation buffer zone and the distance (142 ft), proposed activities should not represent an impact to water body or wetland.</p> <p>Standard construction BMPs would be used to control erosion and runoff during construction. An undisturbed natural buffer equal or greater than 100 feet 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 shade structure the irrigation system, the PV System and the storage containers would not impact the wetlands and includes no activities that would require further evaluation under this section.</p>

		The project is in compliance with Executive Order 11990. Refer to Figure 14 in <b>Appendix B</b> .
<b>Wild and Scenic Rivers</b>  Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not within proximity of a National Wild and Scenic River (WSR). The distance to the nearest WSR is approximately 119,918 feet. The project is in compliance with the Wild and Scenic Rivers Act. Refer to Figure 15 in <b>Appendix B</b> .

<b>ENVIRONMENTAL JUSTICE</b>		
<b>Environmental Justice</b>  Executive Order 12898	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	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. Refer to <b>Appendix C</b> .

**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 or 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	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The proposed project is located on a private farm. The project site is zoned as “Bosque (B-Q)”. The proposed agricultural use of land is in compliant with the land permitted uses.</p>
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The proposed project is located in steep sloped terrain that is currently vacant.</p> <p>Soils in the proposed project area are comprised of Mucara clay, with slopes ranging from 40 to 60 percent (MxF), characterized by a moderately deep solum and moderately well-drained properties, surrounded by dense, mature forest on all sides, 105 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 0.38 acres.</p> <p>The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.</p> <p>Activities involving clearing, excavation, or movement of more than 40 cubic meters of any component of the terrestrial cortex material and activities involving cutting, pruning, removal or transplant of trees with 4 inches diameter or more require the submittal and approval of permits by the PRDNER. The applicant is responsible for any permits or actions to ensure legalization of proposed activities. The applicant is responsible for obtaining any permits required by the PRDNER previous to any construction activities.</p> <p>The project site area is rated “low to high” for landslide susceptibility (see Figure 16 in <b>Appendix B</b>). There will be no human habitation associated with the structure and therefore</p>

		<p>extensive mitigation measures will not be required, such as retaining walls or special engineering design. Standard construction BMPs would be used to control erosion and runoff during construction.</p> <p>There will be little to no additional runoff associated with the project.</p>
Hazards and Nuisances including Site Safety and Noise	2	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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.</p>
Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>SOCIOECONOMIC</b>		
Employment and Income Patterns	2	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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	1	<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>65% are low income compared to PR average of 70%</p> <p>12% are unemployed compared to PR average of 15%</p> <p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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>
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Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>COMMUNITY FACILITIES AND SERVICES</b>		
Educational and Cultural Facilities	2	The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The project would 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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, shade structure covering fabrics, others) 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The SOW does not involve water connections, water will be obtained from a rain harvesting system. The proposed project does not represent an increase in current water demand.
Public Safety – Police, Fire and Emergency Medical	2	The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer,

		farm equipment, and materials. 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. The proposed project will be situated on vacant lot. Standard construction BMPs would be used to control erosion and runoff during construction. An undisturbed natural buffer equal or greater than 100 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. The proposed project will have no impact to unique natural features or water resources.
Vegetation, Wildlife	2	The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and

		<p>installation of two storage containers for storage of fertilizer, farm equipment, and materials. The proposed project will occur on land that is currently not in use.</p> <p>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. Proposal does contemplate cutting, pruning or transplanting of trees within a small area. The proposed project will have minimal impact on vegetation and wildlife with a determination of not likely to adversely affect.</p>
--	--	--

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>CLIMATE AND ENERGY</b>		
Climate Change Impacts	2	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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.</p> <p>Applicants plans includes to install a rain harvesting system to provide water for the operations of the farm. These systems include the installation of water storage tank (s) to hold aa desired water volume. Water will be used on an "as needed" basis to minimize the possible impact of drought. However, due to the location of project in an area of a moist noncalcareous evergreen forest, drought is not expected. This is a small agricultural project with no measurable impact on climate change factors.</p>
Energy Efficiency/Energy Consumption	2	<p>The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials.</p> <p>The proposed project is an agricultural project that does not involve energy use. The project would not be connected to the local electricity provider. However, the applicant is responsible for any permits or actions with local service provider</p>

		<p>(PREPA/LUMA) to ensure legalization of utility/ PV System connections.</p> <p>Project involves the installation of solar equipment to supply energy requirements. There would be no change in energy demand in the area.</p>
--	--	---

**Additional Studies Performed:** None required.

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

Site inspection was conducted on January 11, 2024 by Javier Ramos

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

John H. Chafee Coastal Barrier Resources System, Puerto Rico [map](http://www.fws.gov/CBRA/Maps/Locator/PR.pdf).  
[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 installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials.

The project would allow the applicant to begin farm work, providing more space for the storage of agricultural products and equipment leading to a more efficient processing and growing of the agricultural products. The SOW does not involve the connection of the shade structure, irrigation system, nor storage containers to electric or water utilities (LUMA/PREPA/PRASA). Therefore, water and power use would not increase and should have no impact on the local utilities supply or demand.

#### **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 applicant submitted a proposal to enhance and expand agricultural production on their property. The proposed use of grant funds will allow the applicant to initiate the cultivation, processing, and delivery of agricultural products through the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials.

Among the reasonable courses of action, other uses of the subject site, alternative locations (on and off property), and design modifications, were the analyzed alternatives. The alternative to give another use to the subject site could potentially convert the land to nonagricultural use, could delay proposed agricultural production, and would not increase, enhance or expand agricultural production. This action is not consistent with the Program's goal, the alternative to give another use to the subject site was not selected.

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 vital impacts due to the transportation of materials and heavy equipment. Any alternative that would involve an off-property or give other uses to the site might require purchase of land, greater need for storage area, the movement of products, equipment, infrastructure, water and power utility connections, the preparation of cropping areas, among others, representing an additional cost. Given the above-mentioned possible impacts of an alternative location, an off-property alternative was not selected. Alternative locations off and on property, and design modifications to the proposed scopes of works may also represent an impact to undisturbed and/or uneven ground, sloped terrain or within heavier dense/forested areas, which could require heavier clearing and grading activities.

To give other uses to subject site, an alternative on and off property location, and design modifications to proposed scopes of works, will not enhance and expand agricultural production or allow for the economic development for this applicant. Given the above-mentioned possible impacts of the presented courses of action to give other uses to the subject site, an alternative location off and on the property, and design modifications to the proposed scopes of works or were not the selected alternatives.

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

The project consists of the installation of a shade structure for growing plants and irrigation system, the purchase and installation of a photovoltaic system, and purchase and installation of two storage containers for storage of fertilizer, farm equipment, and materials. 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 initiate 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. Standard construction BMPs would be used to control erosion and runoff during construction. An undisturbed natural buffer equal or greater than 100 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.

Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Standard construction BMPs would be used to control erosion and runoff during construction.
Endangered Species	Implement Puerto Rican Boa conservation measures prior to and during construction to avoid or minimize impacts to this species. 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. PRDNER phone #: ((787) 724-5700, (787) 230-5550, (787) 771-1124.
<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. Standard construction BMPs would be used to control erosion and runoff during construction.
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. 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. Proposal does contemplate cutting, pruning or transplanting of trees within a small area. The proposed project will have minimal impact on vegetation and wildlife with a determination of not likely to adversely affect.
Cutting, Pruning, Transplanting and Planting of Trees	The cutting or transplanting of trees with a trunk diameter greater than or equal to 4 inches (DAP, by its acronym in Spanish) requires the submittal of a "Permiso Único Incidental (PUI)", including an "Autorización de Corte, Poda, Trasplante y Siembra de Arboles (ACP)". The ACP contains the plan of transplanting, cutting and the proposed mitigation measures. Mitigation measures varies depending on the activity and the DAP of trees. Mitigation can be

	achieved by on-site, off-site, a combination of on-site/off-site planting and/or monetary compensation. Plan must be developed by an Arborist certified by the PRDNER and be submitted via the Single Business Portal to the OGPe to be evaluated, approved and physicalized by PRDNER.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	All construction or demolition of structures, which do not contain asbestos or lead-containing paint, in surface areas of project of nine hundred (900) square meters or more, in which the total volume of the components of the earth's that are to be used as filler or extracted, stored, disposed, disassembled, piled up or removed exceed forty (40) cubic meters, requires the submittal of a "Permiso Único Incidental (PUI)", including an "Erosion and Sedimentation Control Plan (Plan CES, by its acronym in Spanish). A Plan CES must be developed by a Professional Engineer and be submitted via the Single Business Portal to the OGPe to be evaluated, approved and physicalized by PRDNER.
Utility Connections- Water supply- (PRASA)	The project does not involve new connections to the local utility services provided by PRASA. Water will be obtained from a rain harvesting system. However, the applicant is responsible for any permits or actions to ensure legalization of utility connections (if needed) prior to construction activities.
Utility Connections- PREPA/LUMA	The project does not involve new utility connections provided by PREPA/LUMA. However, the applicant is responsible for any permits or actions to ensure legalization of utility connections (if needed) prior to construction activities.
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	The proposed project is located on a private farm. The project site is zoned as "Bosque (B-Q)". The proposed agricultural use of land is in compliant with the land permitted uses. However, the applicant is responsible for any permits or actions to ensure legalization of construction and operational activities by submitting all require permits by the OGPe in compliance with current "Reglamento Conjunto".

**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: 9/12/2024

Name/Title/Organization: Shelby McDowell, Environmental Scientist, Tetra Tech Inc., revised by Gabriela Rodríguez, Senior Environmental Scientist, Tetra Tech Inc.

Certifying Officer Signature:  Date: 9/19/2024

Name/Title: Javier Mercado Barrera / Permits and Environmental Compliance Specialist / PRDOH

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-03935		
Applicant Name	Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra		
Property Address	KM 13 Carr 174 Barrio Guaraguao Arriba		
Parcel ID	170-038-034-08		
Coordinates	18.299386, -66.139183		
Inspector Name	Javier Ramos		
Inspection Date	01/11/2024		
Building Type	None		
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 <b>structure in use</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
B. Is <b>structure a greenhouse</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C. Is <b>Electricity connected</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D. Is <b>water connected</b> ? (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 type="checkbox"/>	<input checked="" type="checkbox"/>	
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:

Additional Notes:

Case: PR-RGRW-03935

Project Name: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Coordinates: 18.299386, -66.139183

Is the field graded? For what purpose the field was graded? Month, Year: none

Scope of Work: The proposed project includes the purchase of farming materials, irrigation system, solar system, storage container and tractor.

Land current in use for: The farm is currently not in use.

Past Land use was: Previous use is unknown.

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: Irrigation System and shade structure.

Scope coordinates: 18.2993410, -66.1390602

The applicant proposes an aerial irrigation system that would be using rainwater for planting spices, with an approximate size of 50' X 60'. The material to use is Poly tubing of 1/2". The collection area for the rain will be located in the Scope of Work 3. This area included a shade structure with saran.

Scope of work 2: Solar System

Scope coordinates: 18.2993862, -66.1391839, The applicant proposes a 14,000 kW solar system with 8 solar panels. The system would be installed over the container's roof described in the Scope of work #3. The batteries and inverter would be inside the containers, and a transfer switch is not required. This solar system will provide electrical power to the storage container,

### Scope of work 3: Two Storage Container Installation

Scope coordinates: 18.2993862, -66.1391839

The applicant is proposing to purchase two storage container of 40'. Storage container will be installed over concrete columns. The proposed containers are a "used in good conditions" 40 ft, no wheels, containers. The containers will be anchored with the construction of on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The proposed container will be used for the storage of fertilizer, farm equipment, and materials. The applicant plans to install in the middle of the containers the farming materials and the compost cover materials to create an additional shaded and roofed area. Together with the containers, the shaded area will provide the collection area for the rain harvesting system. The proposed compost covered area is a wood and galvalume roof structure to be covered with shade net.

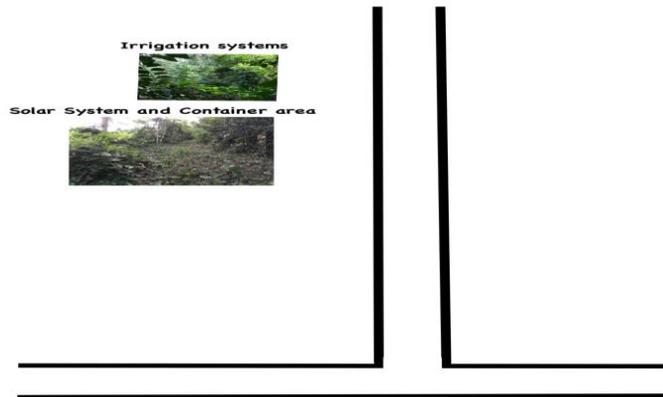
Any new water connection or power connection?

No new water connection, new power connection with the solar system to provide electrical power to the storage container.

If the scope of work included tools, machinery, or farms products, Where the applicant will be storing them?

The tractor and the farming materials will be storage in the container.

### Site Sketch



**Front of Structure**

Photo Direction: Northeast



**Facing Away From Front**

Photo Direction: Southwest



**Side #1 of Structure**

Photo Direction: Southwest



**Facing Away From Side #1**

Photo Direction: Northeast



**Back of Structure**

Photo Direction: Northwest



**Facing Away From Back**

Photo Direction: Southeast



**Side #2 of Structure**

Photo Direction: Northeast



**Facing Away From Side #2**

Photo Direction: Southwest



**Streetscape #1**

Photo Direction: Southwest



**Streetscape #2**

Photo Direction: Southeast



Address

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



**Scope Of Work**

Photo Description: Scope of work 1: Irrigation System

Photo Direction: Southwest



**Scope Of Work**

Photo Description: Scope of work 1: Irrigation System

Photo Direction: Northeast



**Scope Of Work**

Photo Description: Scope of work 1: Irrigation System

Photo Direction: Northwest



**Scope Of Work**

Photo Description: Scope of work 2 and 3: Solar system and storage container area

Photo Direction: Southeast



**Scope Of Work**

Photo Description: Scope of work 2 and 3: Solar system and storage container area

Photo Direction: Northeast



**Scope Of Work**

Photo Description: Scope of work 2 and 3: Solar system and storage container area

Photo Direction: Northwest



**Scope Of Work**

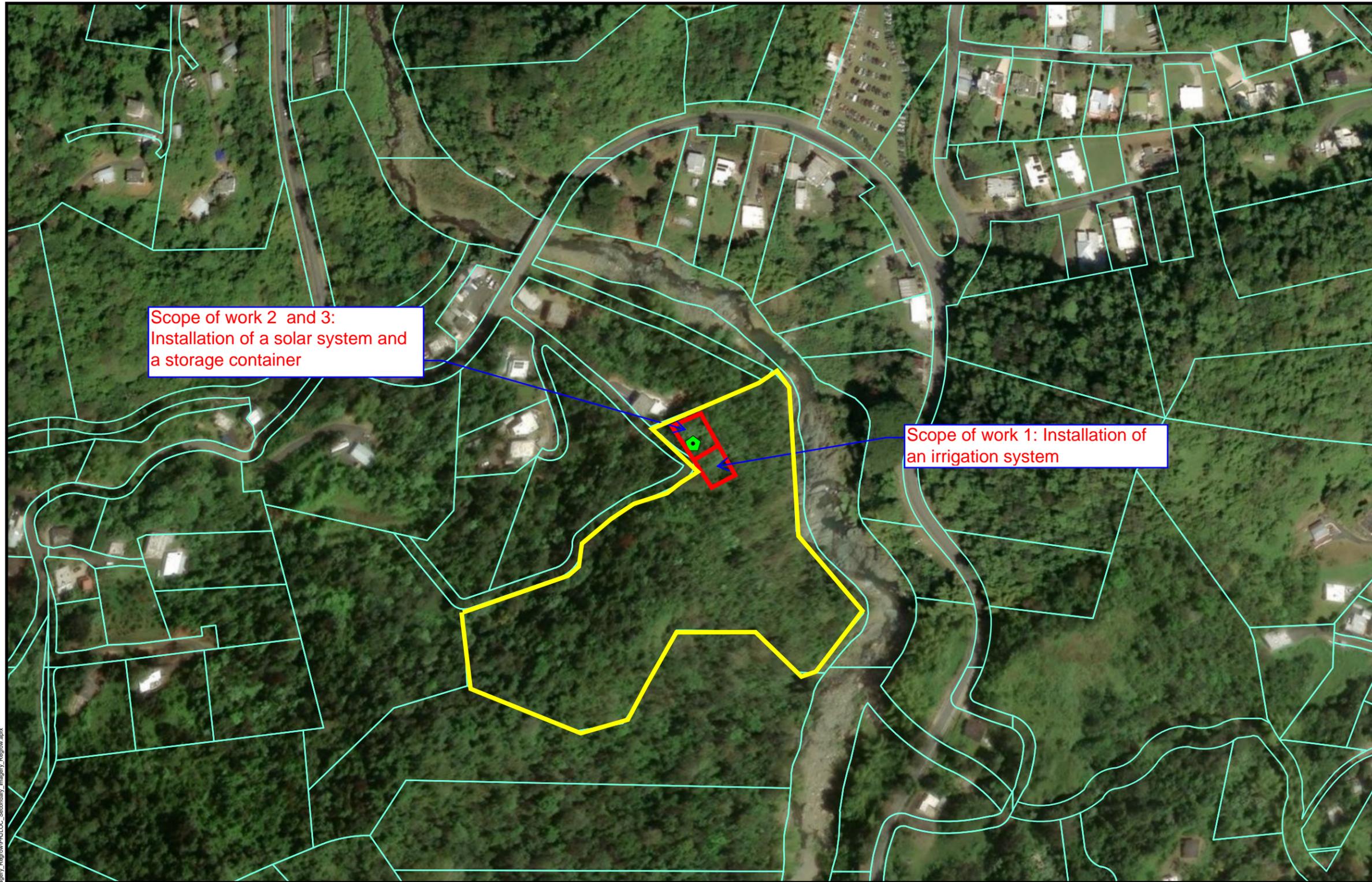
Photo Description: Scope of work 2 and 3: Solar system and storage container area

Photo Direction: Northeast



# APPENDIX B

## Maps



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

Scope of work 2 and 3:  
Installation of a solar system and  
a storage container

Scope of work 1: Installation of  
an irrigation system

**PUERTO RICO**



**Figure 1: PROJECT LOCATION**

**APPLICANT ID: PR-RGRW-03935**

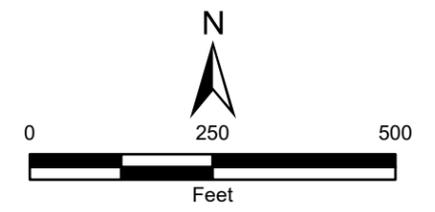
ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386 , -66.139183



Source: ESRI  
<https://catastro.crimpr.net/cdprpc/>  
 Author: TG Date: 2/13/2024



File Path: Z:\data\USRT\Tier2\Regrow\pr\PRLOC\_Secondary\_Imagery\_Regrow\PRLOC\_Secondary\_Imagery\_Regrow.aprx



**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: 57,898**

**Distance to Nearest Civilian Airport  
in Feet: 57,898**

**Distance to Nearest Military Airport  
in Feet: 65,260**

**PUERTO RICO**



**Figure 2: AIRPORT ZONES**

**APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

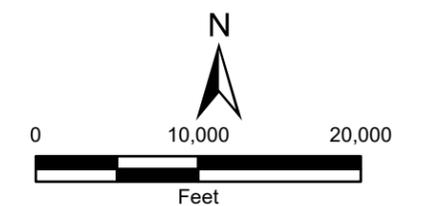
Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386, -66.139183



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

Author: TG Date: 5/3/2024





**Legend**

 Project Parcel

**Coastal Barrier Resources System Boundary**

**Unit**

 PR-86P

 PR-87P

Distance to Nearest Coastal Barrier Resources System:  
60764 Feet

**PUERTO RICO**



60764 FEET

PR-86P

PR-87P



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

Author: TG

Date: 10/17/2023

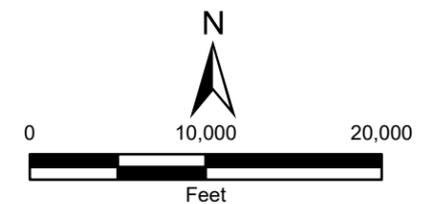
**Figure 3: COASTAL BARRIERS RESOURCE SYSTEM**

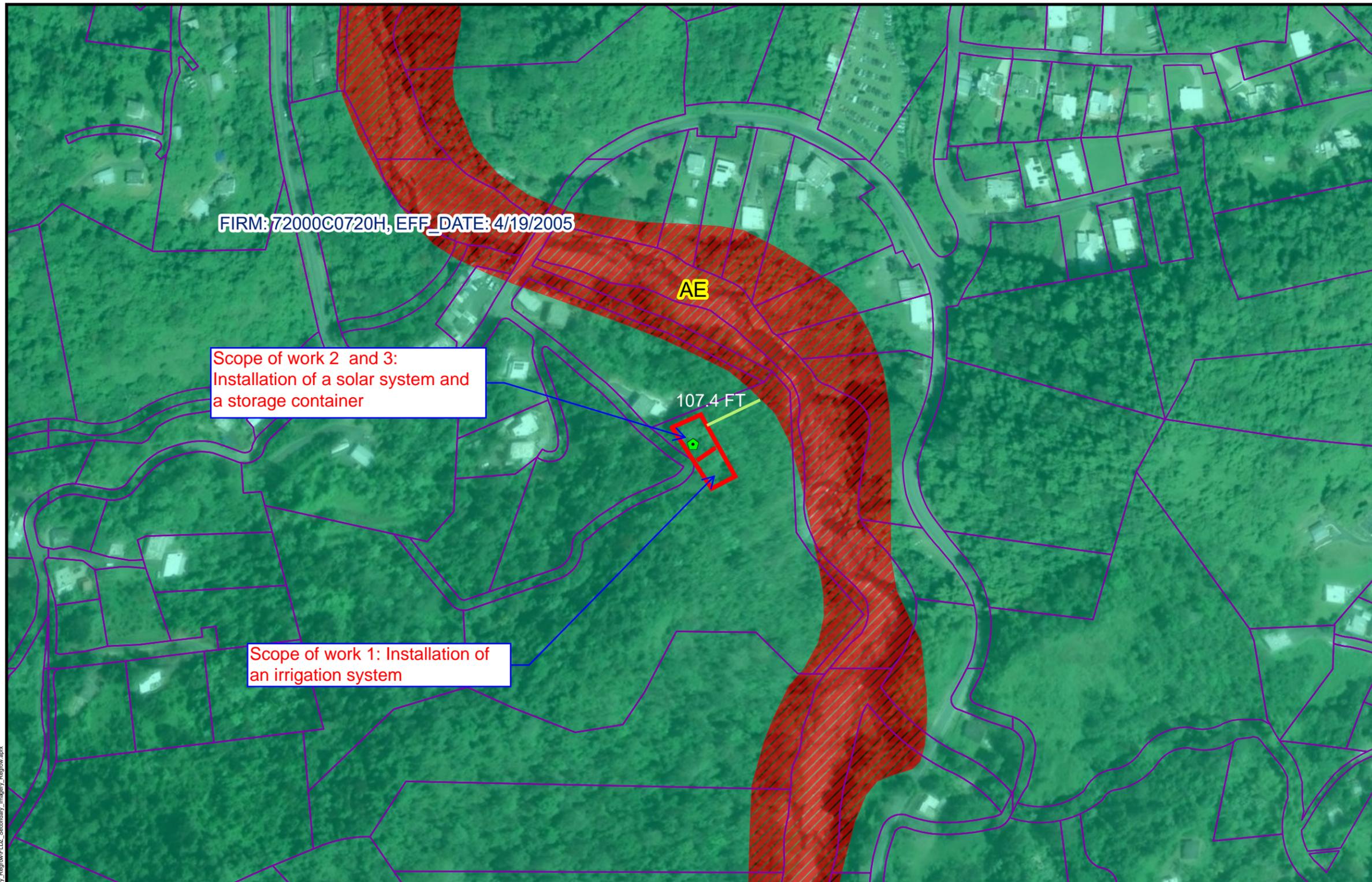
**APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386, -66.139183





**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
- Distance to Zone VE 107.4 ft

**PUERTO RICO**



**Figure 4: FLOOD INSURANCE RATE MAP (FIRM)**

**APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

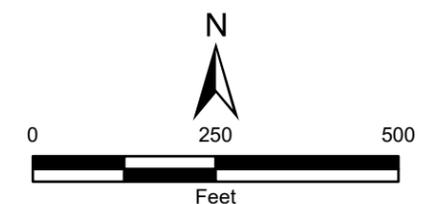
Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386, -66.139183



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

Author: TG Date: 4/11/2024





**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
- With BFE or Depth Zone AE, AD, 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
- 17.6 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.



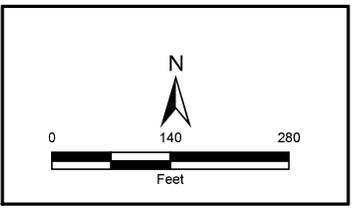
**FIGURE 5: NATIONAL FLOOD HAZARD LAYER FIRMETTE  
APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956  
 Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
 Parcel Coordinates: 18.299386, -66.139183

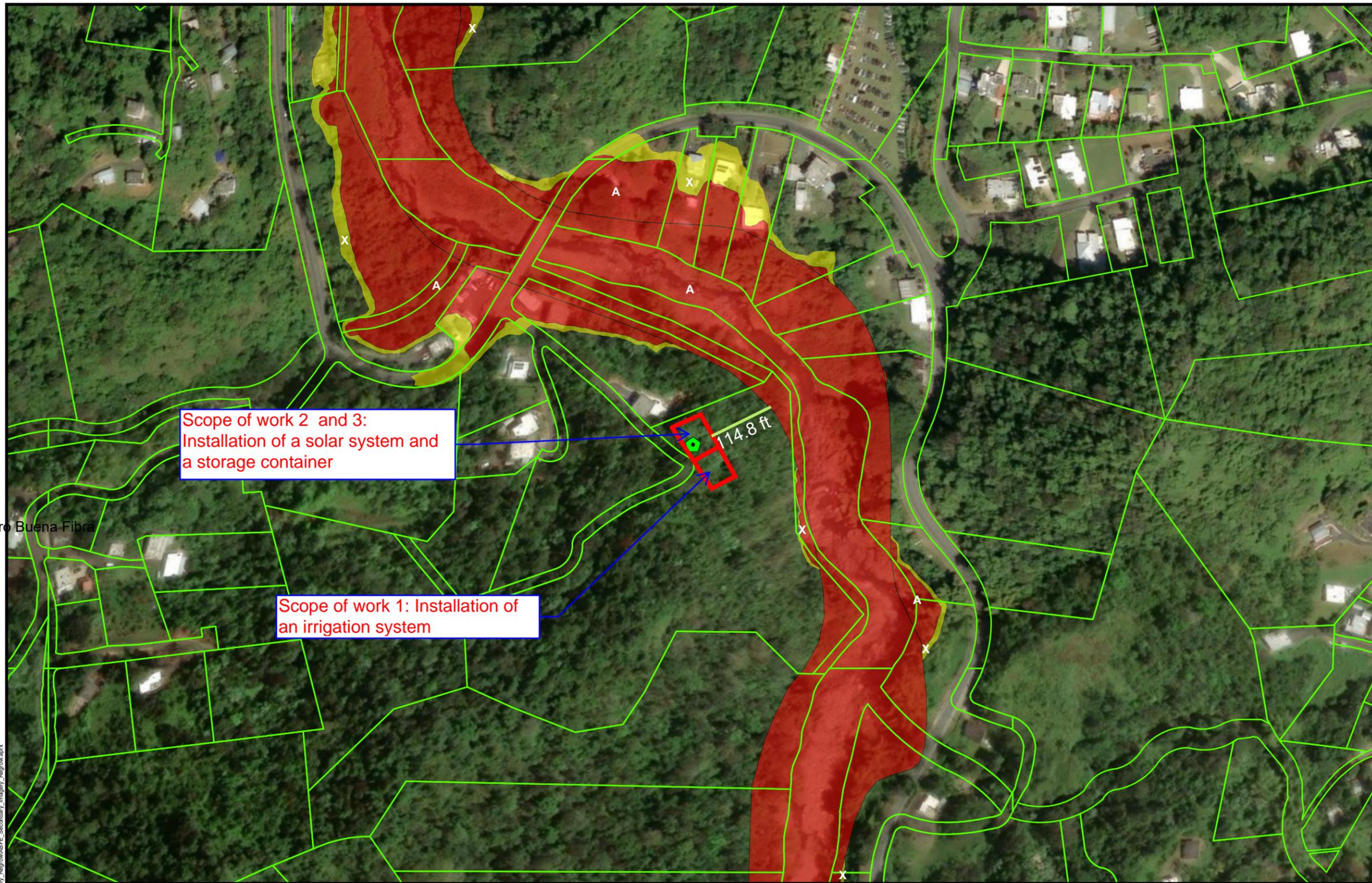


Source: FEMA  
<https://www.msc.fema.gov>

Author: TG Date: 5/31/2023



File Path: \\ms01\apps\GIS\Projects\2023\20230531\FIRM\03935\03935\_FIRM\_Layer.mxd; Project Name: 03935\_FIRM\_Layer.mxd; Project Path: \\ms01\apps\GIS\Projects\2023\20230531\FIRM\03935\03935\_FIRM\_Layer.mxd



**Legend**

	<b>Project Parcel</b>	<b>ABFE Floodzone</b>
	Parcels	A
		AE
		AO
		VE
		X
	Area of Potential Effect	
	Distance to Zone A 114.8 ft	

**PUERTO RICO**



**Figure 6: ADVISORY BASE FLOOD ELEVATION (ABFE) MAP**

**APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon , PR 00956

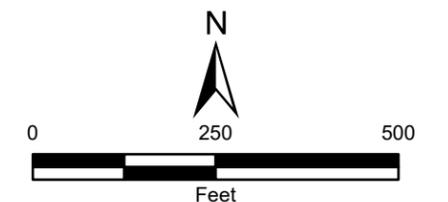
Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386 , -66.139183

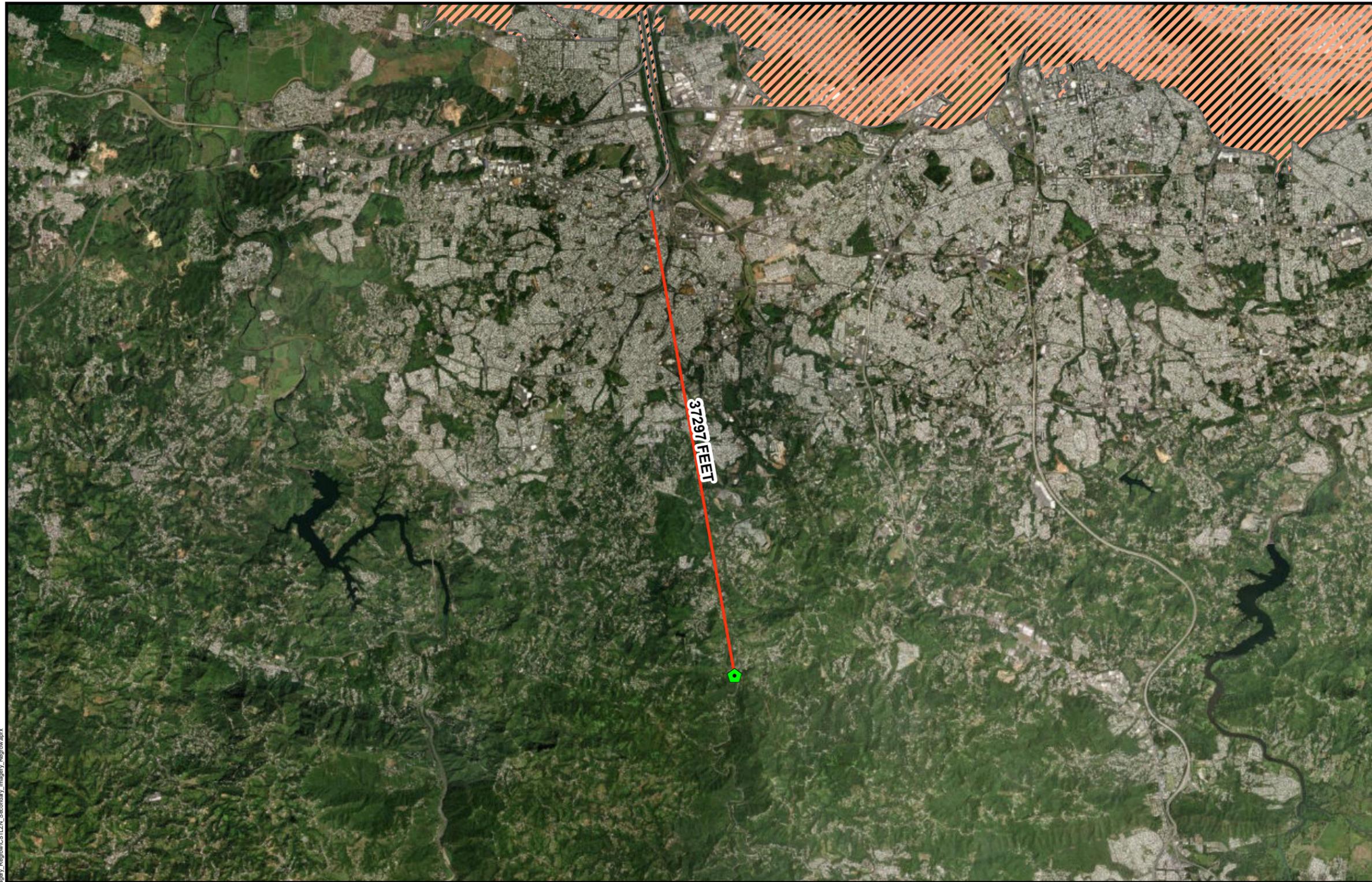


Source: FEMA  
<https://gis.fema.gov>

Author: TG Date: 2/13/2024



File Path: Z:\data\USRT\Tier2\Regrow\ABFE\_Secondary\_Imagery\_Regrow.aprx



**Legend**

-  Project Parcel
-  Coastal Zone Management Boundary

Distance to Nearest Coastal Zone:  
37297 Feet

**PUERTO RICO**



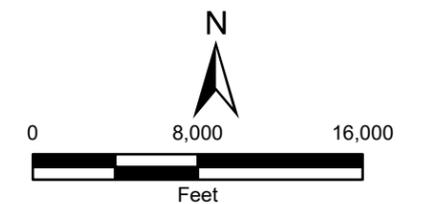
**Figure 7: COASTAL ZONE MANAGEMENT  
APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956  
Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
Parcel Coordinates: 18.299386, -66.139183



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

Author: TG Date: 10/17/2023





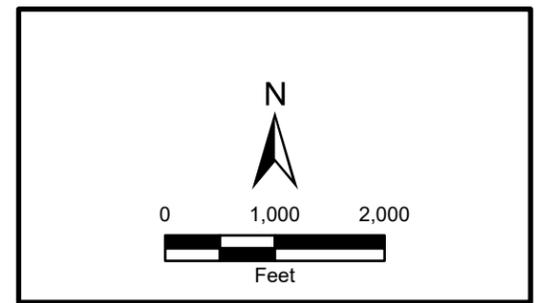
- Legend**
- Project Parcel
  - AIR
  - NPDES
  - RCRA
  - Toxic Release Inventory Site
  - Superfund Site
  - Brownfield Sites
  - 3000 Ft Buffer AIR
  - 3000 Ft Buffer NPDES
  - 3000 Ft Buffer TRI
  - 3000 Ft Buffer Superfund
  - 3000 Ft Buffer RCRA
  - 3000 Ft Buffer Brownfield

**PUERTO RICO**



**Figure 8: TOXIC CHEMICALS AND GASES, HAZARDOUS MATERIALS, CONTAMINATION, AND RADIOACTIVE SUBSTANCES**  
**APPLICANT ID: PR-RGRW-03935**

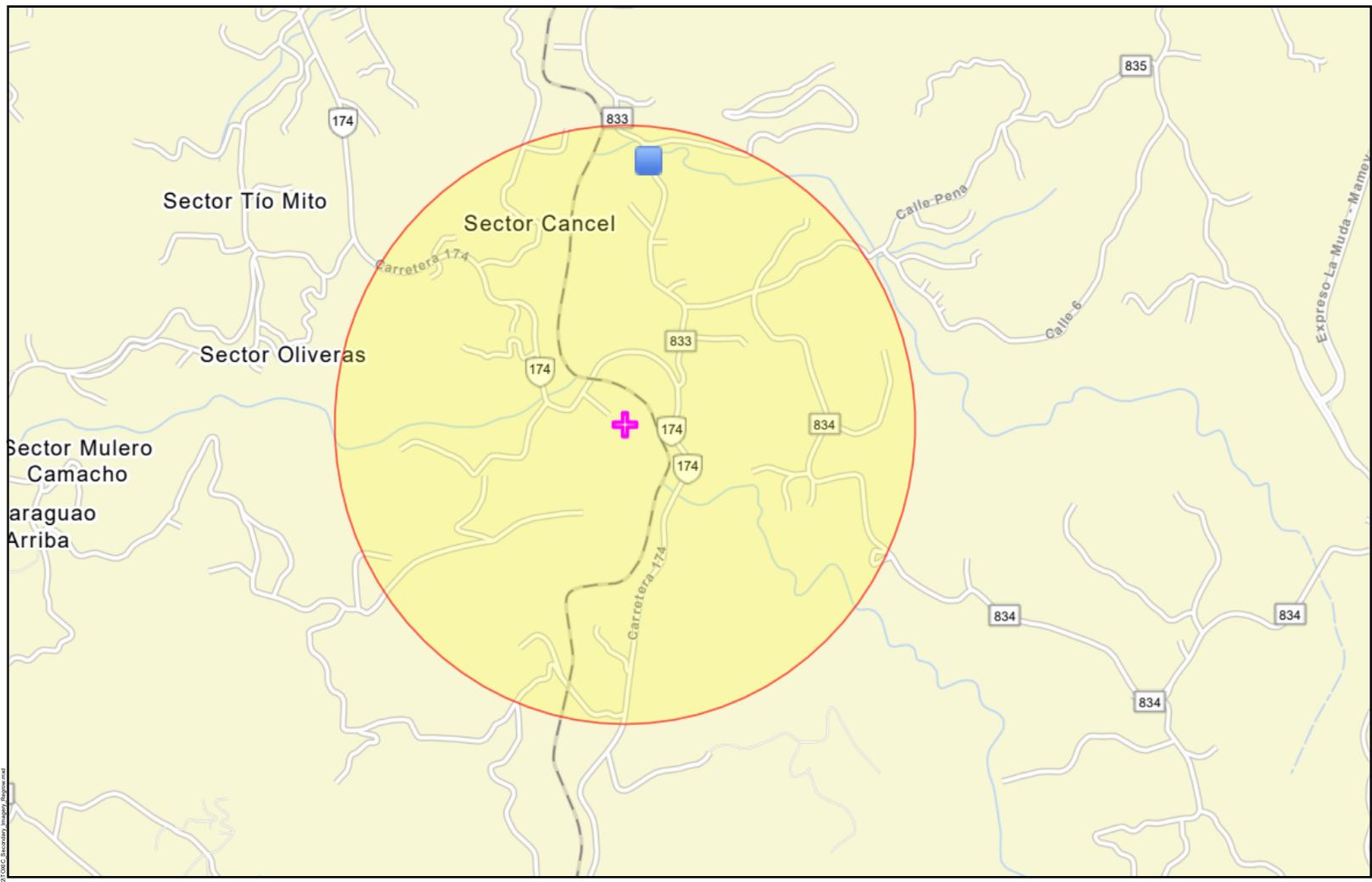
ADDRESS: KM 13 Carr 174 Barrio Guaraguo Arriba, Bayamon, PR 00956  
 Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
 Parcel Coordinates: 18.299386, -66.139183



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

Author: JB/AK Date: 4/11/2024

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



- Legend**
- Superfund (NPL)
  - Toxic Substances Control Act (TSCA)
  - Toxic Releases (TRI)
  - Brownfields (ACRES)
  - Hazardous Waste (RCRAInfo)
  - Water Dischargers (NPDES)
  - Air Pollution (ICIS-AIR)
  - + **Project Parcel**
  - 3000 Ft Buffer



**TETRA TECH**

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

Author: JB/AK      Date: 5/18/2023

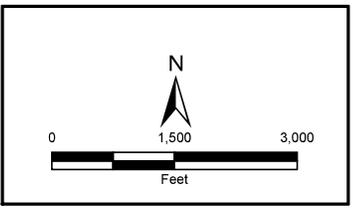
**Figure 9: NEPA Assist Map**

**APPLICANT ID: PR-RGRW-03935**

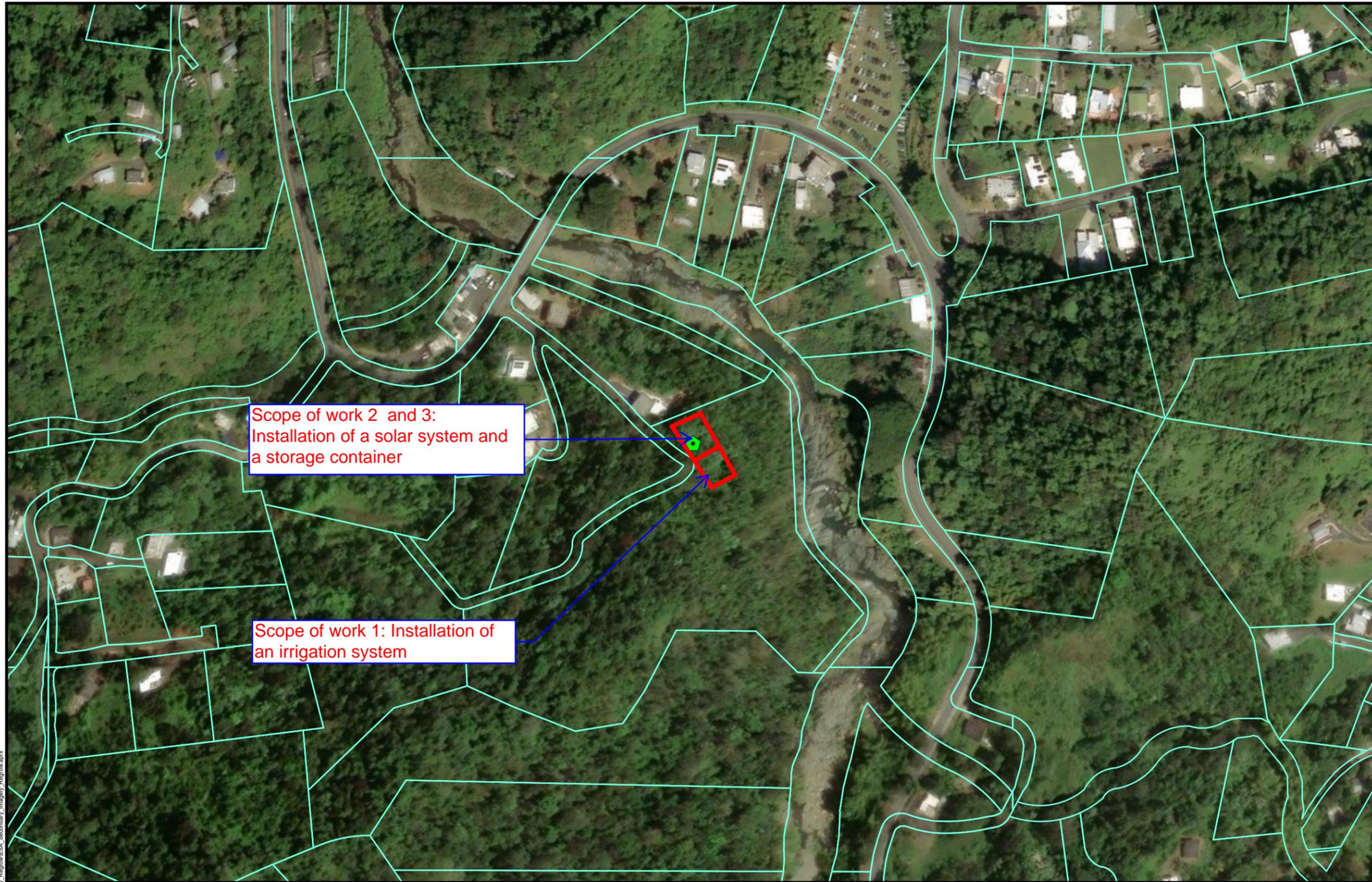
ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386, -86.139183



All Data: User Provided | COOPERACI3N DE INVESTIGACIONES Y DESARROLLO TECNOL3GICO, S.E. | COAG | Secondary Imagery | Bing.com



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

**PUERTO RICO**



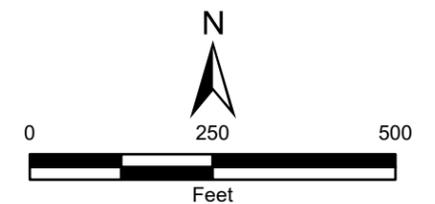
**Figure 10: ENDANGERED SPECIES ACT  
APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon , PR 00956  
 Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
 Parcel Coordinates: 18.299386 , -66.139183

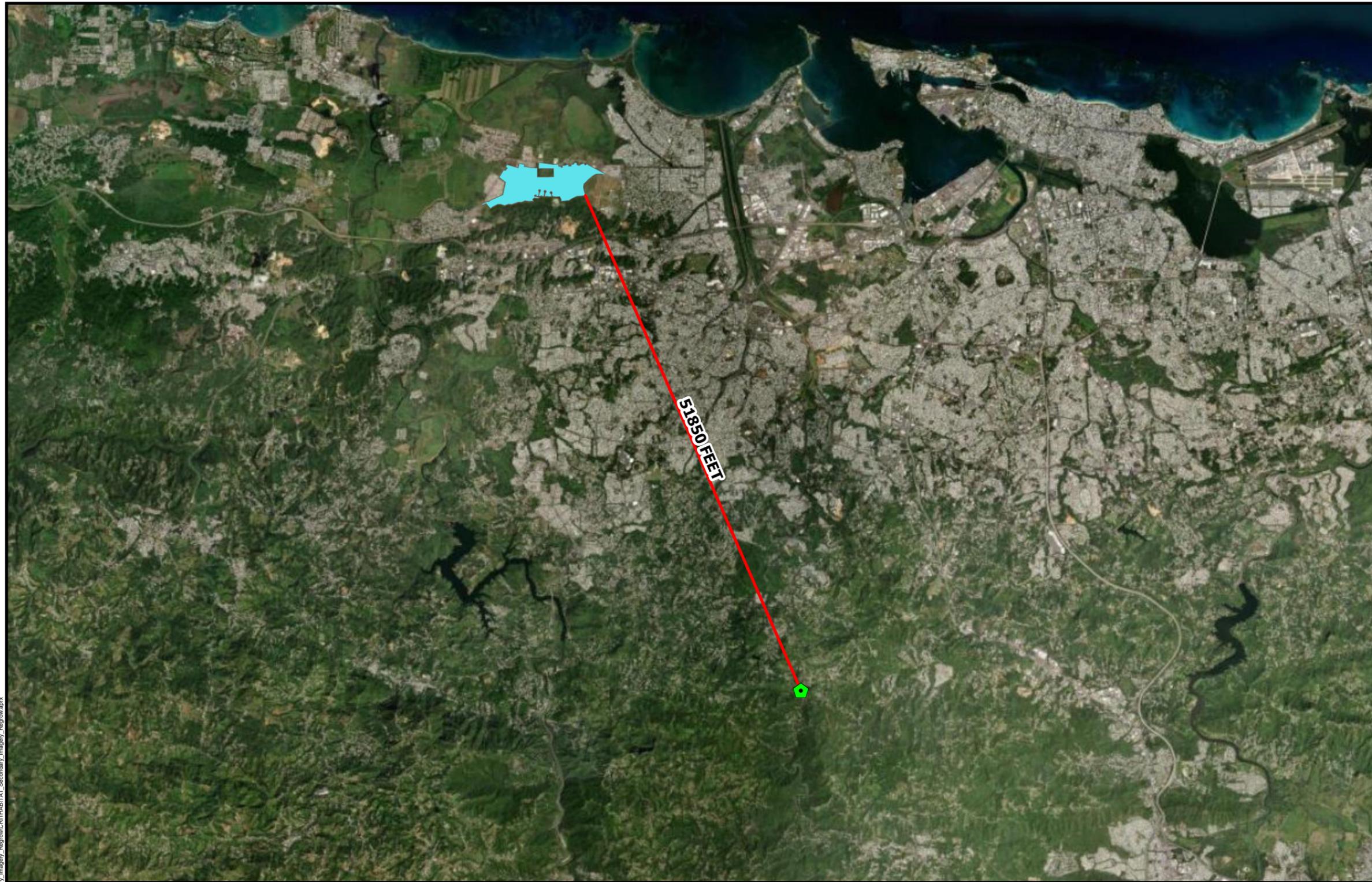


Source: U.S. FISH & WILDLIFE SERVICE  
 <LINK><https://ecos.fws.gov></LINK>

Author: TG Date: 4/11/2024



File Path: Z:\data\USFWS\Tier2Reg\wpa\ESA\_Secundary\_Imagery\_Regrow.aprx



- Legend**
- ▣ Project Parcel
  - Common Name**
  - ▣ Llanero Coqui

**Distance to Nearest Critical Habitat:**  
51850 Feet

**PUERTO RICO**



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

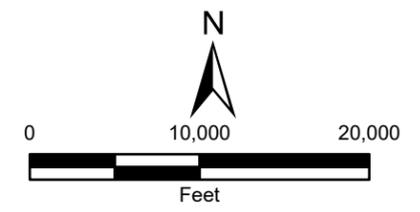


Source: U.S. FISH & WILDLIFE SERVICE  
<LINK><https://ecos.fws.gov></LINK>

Author: TG Date: 11/3/2023

**Figure 11: CRITICAL HABITATS**  
**APPLICANT ID: PR-RGRW-03935**

**ADDRESS:** KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon , PR 00956  
**Name of Development:** Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
**Parcel Coordinates:** 18.299386 , -66.139183





**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-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguo Arriba, Bayamon , PR 00956

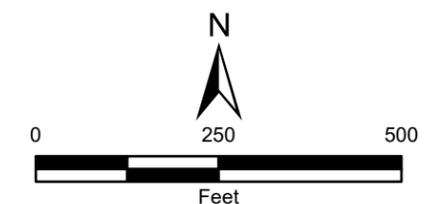
Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

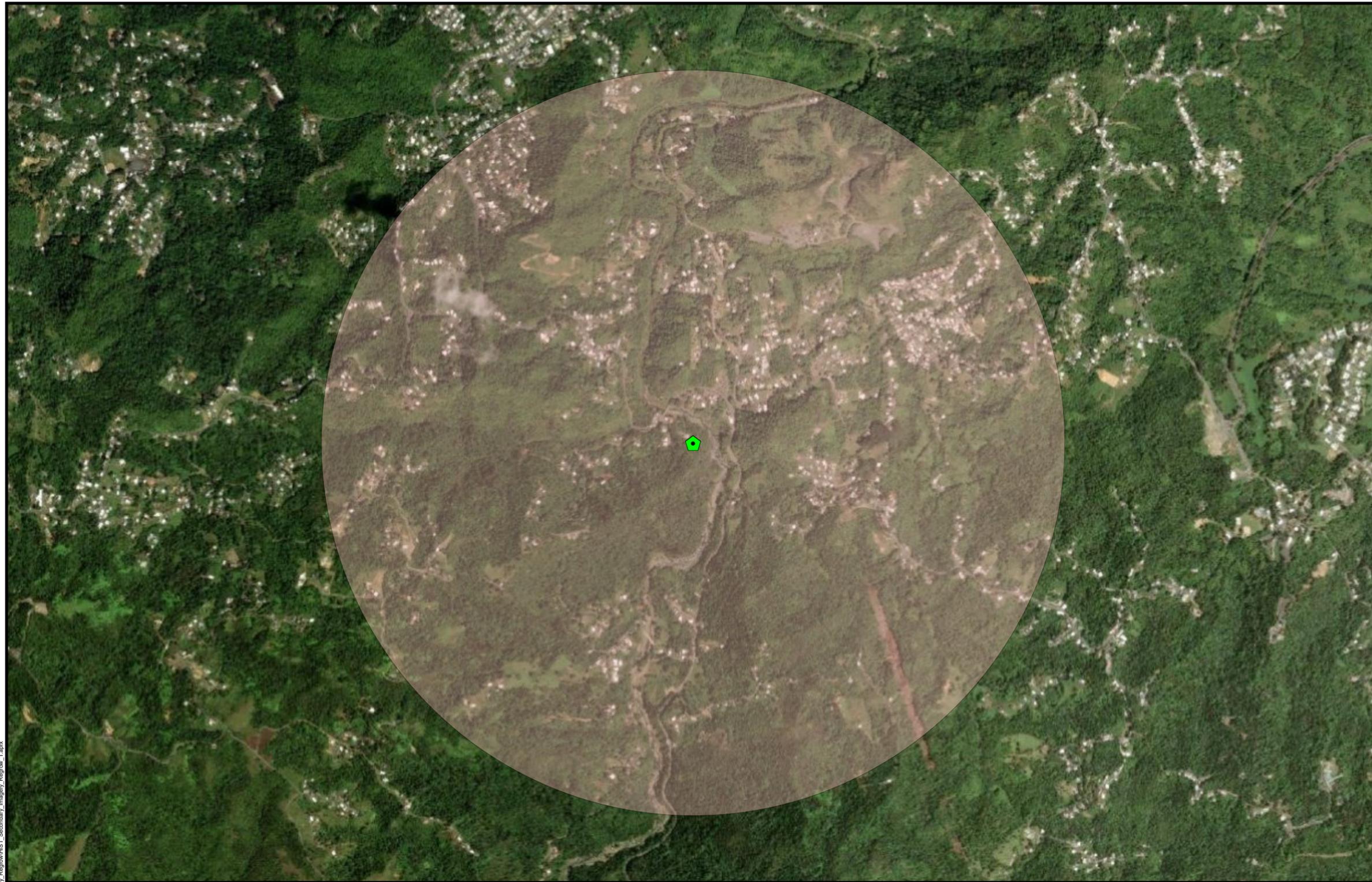
Parcel Coordinates: 18.299386 , -66.139183



Source: USDA  
<https://websoilsurvey.sc.egov.usda.gov>

Author: TG Date: 11/3/2023



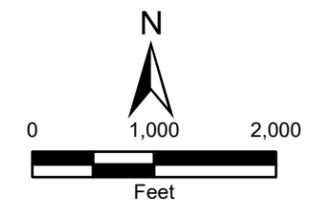


- Legend**
- ▣ Project Parcel
  - ▲ Historic ICP Sites
  - Cultural Resource Building Point
  - Cultural Resource District Point
  - Cultural Resource Site Point
  - Cultural Resource Structure Point
  - Historic Comunidades
  - Traditional Urban Centers
  - Cultural Resource Building Polygon
  - Cultural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

**PUERTO RICO**

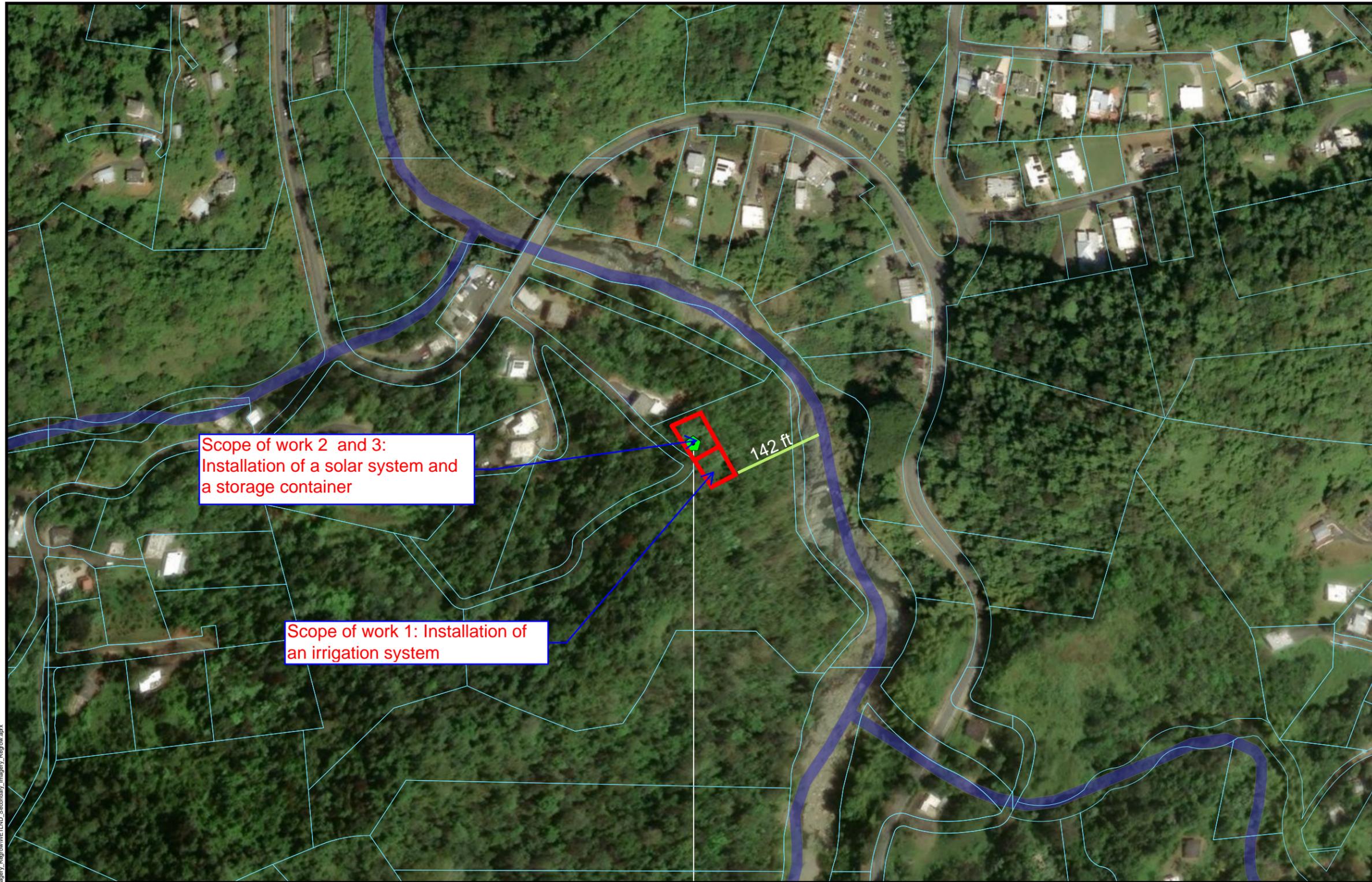


**Figure 13: HISTORIC PRESERVATION**  
**APPLICANT ID: PR-RGRW-03935**  
 ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon , PR 00956  
 Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
 Parcel Coordinates: 18.299386 , -66.139183



File Path: Z:\data\USPRT\TheRegion\workspace\IST\_Secondary\_Imagery\_Regrow\IST\_Secondary\_Imagery\_Regrow\_1.aprx

Source: National Park Service NPS:  
<https://www.nps.gov/subjects/gisandmapping/tools-and-data.htm>  
 Author: TG Date: 4/11/2024



- 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
- Distance to Wetland 142 ft

**PUERTO RICO**



**Figure 14: WETLANDS**

**APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

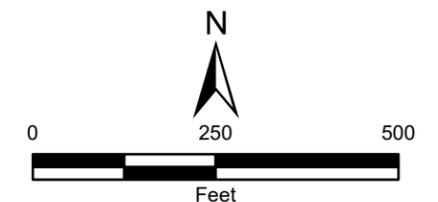
Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386 , -66.139183

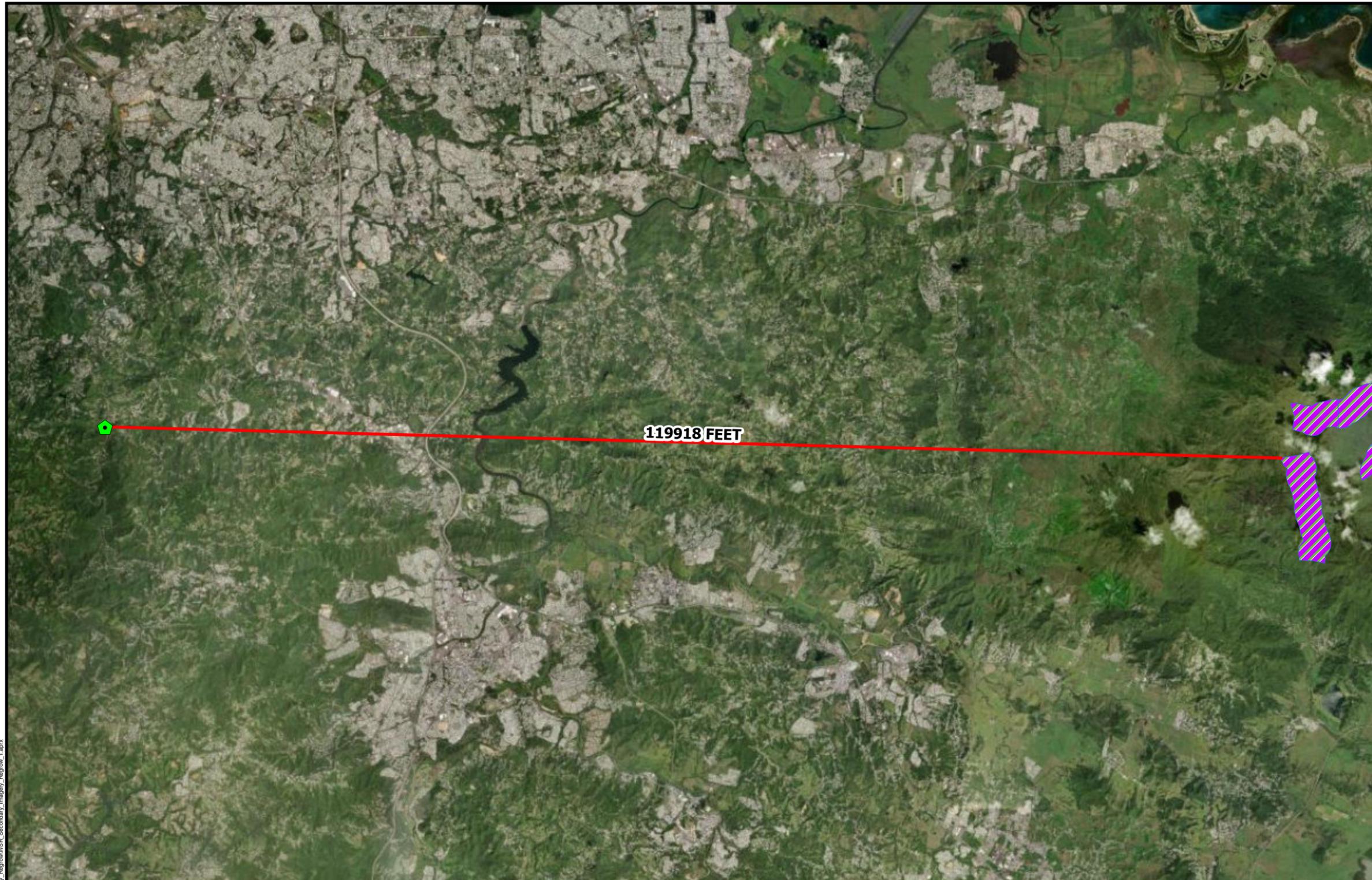


Source: U. S. Fish & Wildlife Service  
 <LINK><https://www.fws.gov></LINK>

Author: TG Date: 4/11/2024



File Path: Z:\data\USFWS\Tier2\Regrow\WETLAND\_Secondary\_Imagery\_Regrow\WETLAND\_Secondary\_Imagery\_Regrow.aprx



**Legend**

-  Project Parcel
-  Wild and Scenic Rivers

Distance to Nearest Wild and Scenic River: 119918 Feet

**PUERTO RICO**



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

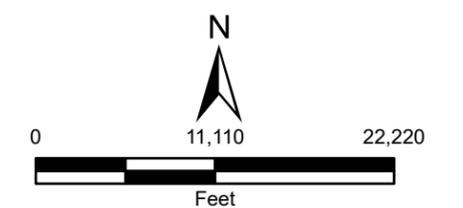
Author: TG Date: 10/23/2023

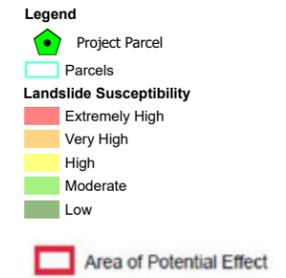
**Figure 15: WILD AND SCENIC RIVERS ACT  
 APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386, -66.139183





**PUERTO RICO**



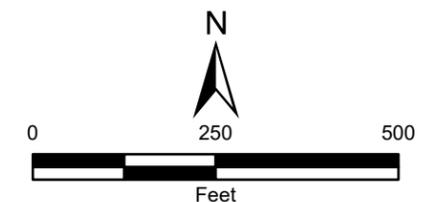
**Figure 16: SLOPE AND EROSION**  
**APPLICANT ID: PR-RGRW-03935**

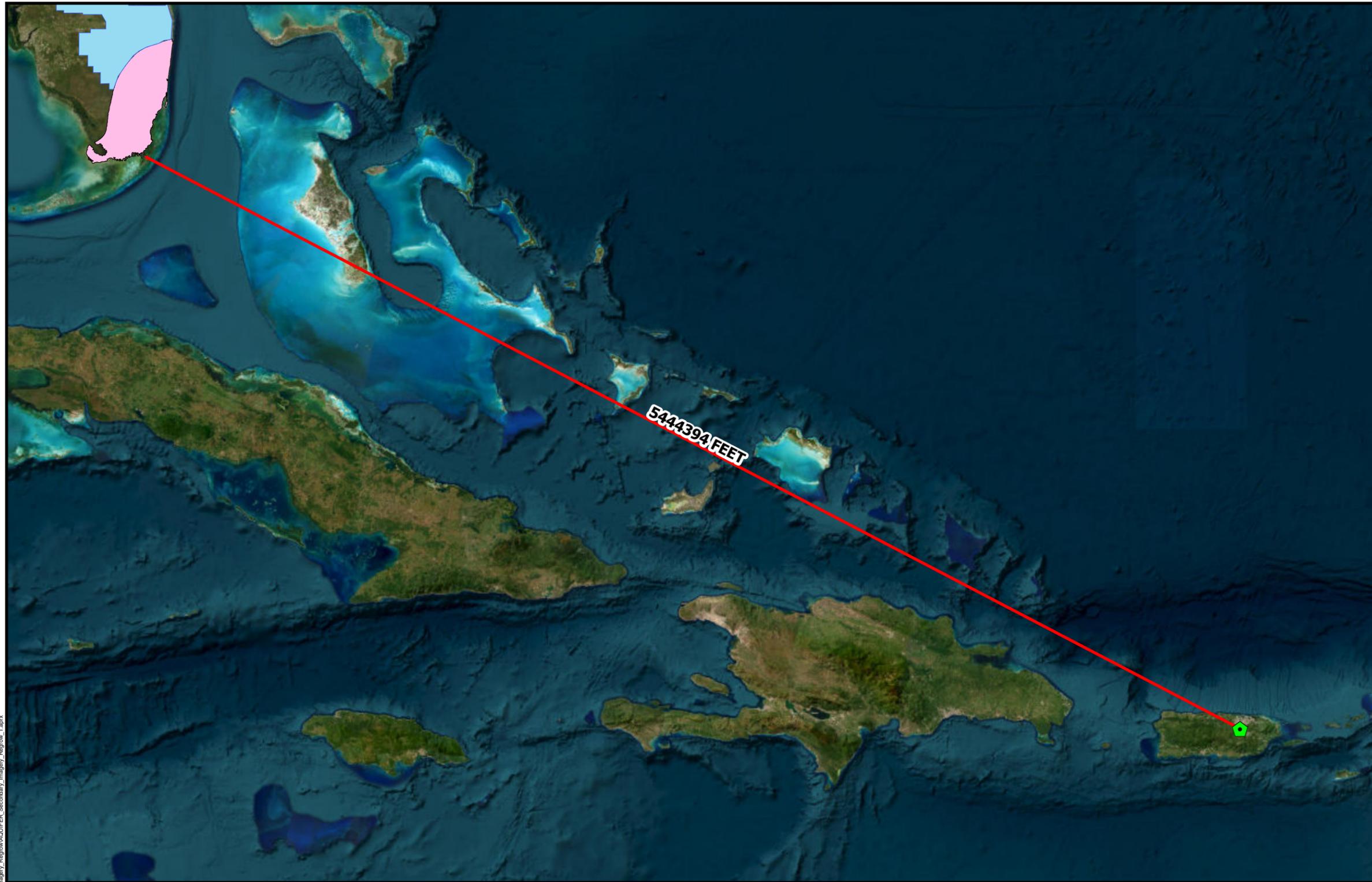
ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon , PR 00956  
 Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
 Parcel Coordinates: 18.299386 , -66.139183



Source: PRDOH  
<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=10506ecc7f15491daee17647f19248ee>

Author: TG Date: 4/11/2024





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

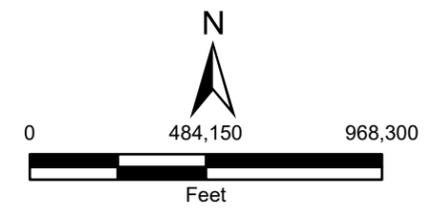
Distance to Nearest Aquifer:  
5,444,394 FT

**PUERTO RICO**



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-03935**  
 ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon , PR 00956  
 Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
 Parcel Coordinates: 18.299386 , -66.139183



File Path: Z:\data\USRT\TheRegrow\SSA\QUIFER\_Sec\Secondary\_Imagery\_Regrow\_1.aprx

# APPENDIX C

## Additional Information



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

Data is current as of July 31, 2024

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	1112131415161718192021222324	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	18192021222324	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	18192021222324	//		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	18192021222324	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	18192021222324	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	18192021222324	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	18192021222324	//		Part	52,441	72/137

Important Notes

Discover.

Connect.

Ask.

Follow.

2024-07-31



# Detailed Facility Report

## Facility Summary

**ARENERO ESTRELLA**

**PR 833 KM0.8 BO GUARAGUAO, GUAYNABO, PR 00970**

**FRS (Facility Registry Service) ID:** 110013330092

**EPA Region:** 02

**Latitude:** 18.306666

**Longitude:** -66.138486

**Locational Data Source:** FRS

**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	08/12/2015
<b>Compliance Status</b>	<b>No Violation Identified</b>
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

## Regulatory Information

**Clean Air Act (CAA):** Operating Minor (PR0000007206100067)

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

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

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

## Other Regulatory Reports

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

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

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

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110013330092					N	18.306666	-66.138486
ICIS-Air	CAA	PR0000007206100067	Minor Emissions	Operating	CAANSPS, CAASIP		N	18.306667	-66.138472

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110013330092	ARENERO ESTRELLA	PR 833 KM0.8 BO GUARAGUAO, GUAYNABO, PR 00970	Guaynabo Municipio
ICIS-Air	CAA	PR0000007206100067	ARENERO ESTRELLA	PR 833 KM0.8 BO GUARAGUAO, GUAYNABO, PR 00970.1839	Guaynabo Municipio

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007206100067	1442	Construction Sand And Gravel

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

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007206100067	212321	Construction Sand and Gravel Mining

## Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
------------------	------------	---------------	---------------------------

No data records returned

### Enforcement and Compliance

## Compliance Monitoring History

Last 5 Years

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

No data records returned

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

## Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
---------	-----------	---	---------------	--------------------------------------	---------------------

CAA	PR000007206100067	No	07/06/2024	0	07/05/2024
-----	-------------------	----	------------	---	------------

## 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: PR000007206100067)		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	04/01-06/30/24
------------------------------------	--	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------

	Facility-Level Status	No Violation Identified											
--	-----------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------

	HPV History												
--	-------------	--	--	--	--	--	--	--	--	--	--	--	--

Violation Type	Agency	Programs	Pollutants
----------------	--------	----------	------------

## Informal Enforcement Actions

Last 5 Years

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

No data records returned

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

## Formal Enforcement Actions

Last 5 Years

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

No data records returned

### Environmental Conditions

## Watersheds

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

No data records returned

## Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

## Air Quality Nonattainment Areas

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

Ozone	No	--	No	--
-------	----	----	----	----

Lead	No	--	No	--
------	----	----	----	----

Particulate Matter	No	--	Yes	PM-10 (1987)
--------------------	----	----	-----	--------------

Carbon Monoxide	No	--	No	--
-----------------	----	----	----	----

Sulfur Dioxide	No	--	No	--
----------------	----	----	----	----

### Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

## 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.

### Potential Environmental Justice Concerns

- US Territory
- Supplemental/EJ index percentiles >= 90 (Census block group)
- Supplemental/EJ index percentiles >= 90 (1-mile average)

### EJScreen Indexes Shown

Index Type

### Related Reports

EJScreen Community Report

Download Data

Supplemental Indexes	US (Percentile)			State (Percentile)		
	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Count of Indexes At or Above 90th Percentile	4	5	6	1	1	3
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	74	72	80	86	88	94
Air Toxics Cancer Risk	52	35	55	55	0	90
Air Toxics Respiratory Hazard Index	34	36	39	56	65	89
Toxic Releases to Air	99	99	99	90	91	99
Traffic Proximity	79	81	89	30	32	44
Lead Paint	61	86	98	23	51	87
Risk Management Plan (RMP) Facility Proximity	89	90	97	43	47	69
Hazardous Waste Proximity	88	90	98	43	47	78
Superfund Proximity	96	97	99	46	49	60
Underground Storage Tanks (UST)	94	67	96	75	61	78
Wastewater Discharge	98	98	99	65	63	72

Map Display Based on:  US  State

Display Map Layer

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. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and 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	5,856
Population Density	1,827/sq.mi.
Housing Units in Area	2,261

General Statistics (ACS (American Community Survey))	
Total Persons	3,335
Percent People of Color	100%
Households in Area	1,163
Households on Public Assistance	32
Persons With Low Income	2,119
Percent With Low Income	65%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.306666
Center Longitude	-66.138496
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	554 (47.59%)
\$15,000 - \$25,000	180 (15.46%)
\$25,000 - \$50,000	217 (18.64%)
\$50,000 - \$75,000	155 (13.32%)
Greater than \$75,000	58 (4.98%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	345 (6%)
Minors 17 years and younger	1,376 (24%)
Adults 18 years and older	4,480 (77%)
Seniors 65 years and older	760 (13%)

Race Breakdown (U.S. Census) - Persons (%)	
White	4,472 (76%)
African-American	610 (10%)
Hispanic-Origin	5,819 (99%)
Asian/Pacific Islander	3 (0%)
American Indian	27 (0%)
Other/Multiracial	744 (13%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	531 (21.46%)
9th through 12th Grade	288 (11.64%)
High School Diploma	708 (28.62%)
Some College/2-year	245 (9.9%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	560 (22.64%)

# EJScreen Community Report

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

## Bayamón Municipio, PR

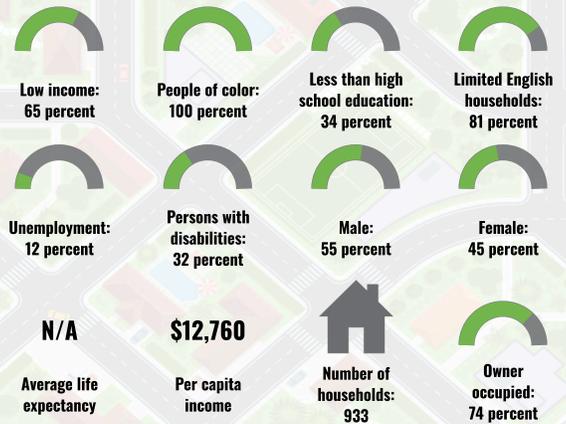
1 mile Ring around the Area  
Population: 2,880  
Area in square miles: 3.30

Dynamic map initially showing the user-selected area

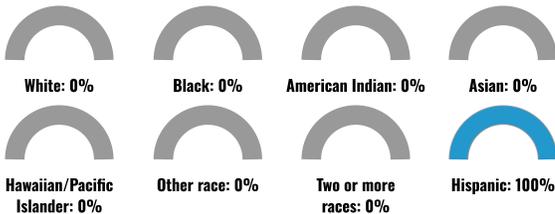
### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	2%
Spanish	98%
Total Non-English	98%



#### 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.

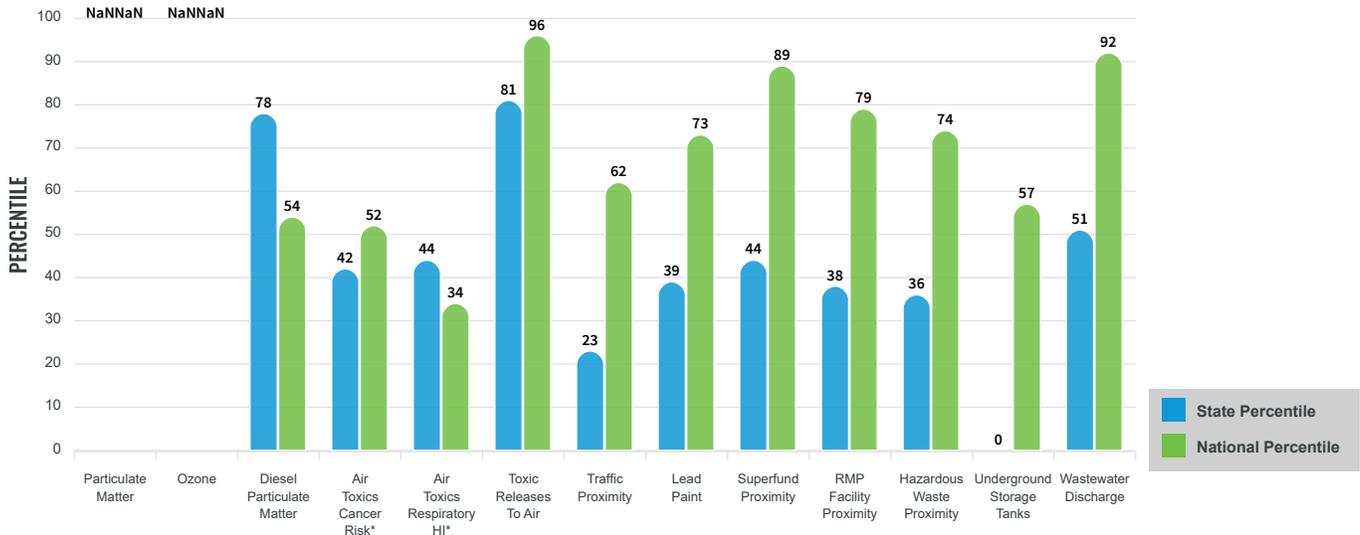
# Environmental Justice & Supplemental Indexes

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.

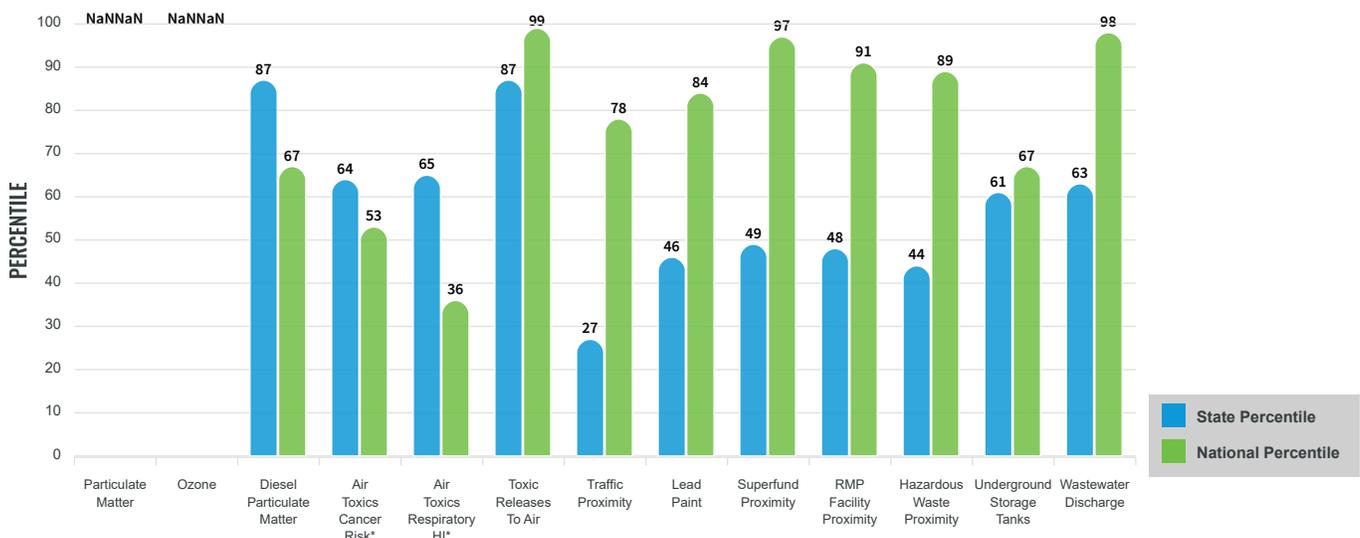
### EJ INDEXES FOR THE SELECTED LOCATION



## 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 around the Area

# 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 ( $\mu\text{g}/\text{m}^3$ )	0.105	0.0667	75	0.261	17
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	3,200	4,300	90	4,600	80
Traffic Proximity (daily traffic count/distance to road)	21	180	24	210	25
Lead Paint (% Pre-1960 Housing)	0.074	0.16	43	0.3	31
Superfund Proximity (site count/km distance)	0.071	0.15	43	0.13	55
RMP Facility Proximity (facility count/km distance)	0.13	0.47	39	0.43	40
Hazardous Waste Proximity (facility count/km distance)	0.21	0.76	38	1.9	36
Underground Storage Tanks (count/km <sup>2</sup> )	0.4	1.7	61	3.9	37
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0069	2.3	55	22	64
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	82%	83%	32	35%	96
Supplemental Demographic Index	48%	43%	60	14%	99
People of Color	100%	96%	29	39%	97
Low Income	65%	70%	31	31%	91
Unemployment Rate	12%	15%	49	6%	86
Limited English Speaking Households	81%	67%	77	5%	99
Less Than High School Education	34%	21%	82	12%	94
Under Age 5	3%	4%	47	6%	28
Over Age 64	21%	22%	47	17%	70
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 .....	0
Air Pollution .....	1
Brownfields .....	0
Toxic Release Inventory .....	0

## Other community features within defined area:

Schools .....	0
Hospitals .....	0
Places of Worship .....	1

## Other environmental data:

Air Non-attainment .....	Yes
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 around the Area

# 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	30.7%	21.6%	89	13.4%	98

## 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	31%	32%	53	14%	89
Lack of Health Insurance	7%	7%	63	9%	54
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 around the Area

**APPENDIX D**  
Endangered Species

**From:** [Caribbean ES, FW4](#)  
**To:** [environmentcdbg](#)  
**Cc:** [Juan C. Perez-Bofill](#)  
**Subject:** Re: [EXTERNAL] USFWS Endangered Species Concurrence Consultation\_CDBG-DR\_PR-RGRW-03935  
**Date:** Thursday, August 8, 2024 8:58:27 AM  
**Attachments:** [image003.png](#)  
[PR-RGRW-03935 USFWS Consultation Package PRDOH.pdf](#)  
**Importance:** High

---

Good Morning

The Service acknowledge receipt the Dkey NLAA Concurrence letter (Project code: 2024-0111101) for the project named CDBG-DR PR-RGRW-03935 Jesús A. Anglero Figueroa DBA, Bayamón. No further consultation is required. Keep this email for your records.

Thanks

Caribbean Ecological Services Field Office  
(786) 244-0081  
[caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov)

**For project evaluations, please visit our [Consultation Guidelines](#) website.**

---

**From:** environmentcdbg <[environmentcdbg@vivienda.pr.gov](mailto:environmentcdbg@vivienda.pr.gov)>  
**Sent:** Wednesday, July 24, 2024 9:37 AM  
**To:** Caribbean ES, FW4 <[Caribbean\\_ES@fws.gov](mailto:Caribbean_ES@fws.gov)>; Mena, Lourdes <[Lourdes\\_Mena@fws.gov](mailto:Lourdes_Mena@fws.gov)>  
**Subject:** [EXTERNAL] USFWS Endangered Species Concurrence Consultation\_CDBG-DR\_PR-RGRW-03935

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

To whom it may concern:

In order to complete the environmental review process regarding the case **PR-RGRW-03935** for the CDBG-DR Re-Grow PR Urban-Rural Agriculture Program, we are requesting USFWS concurrence with the determinations included in the attached letter.

We look forward for your response in order to move forward our environmental review process.

Sincerely,

**Permits and Environmental Compliance Division**

Disaster Recovery Office

[environmentcdbg@vivienda.pr.gov](mailto:environmentcdbg@vivienda.pr.gov) | 787.274.2527

Visit us: [recuperacion.pr.gov](http://recuperacion.pr.gov)

Contact us: [infocdbg@vivienda.pr.gov](mailto:infocdbg@vivienda.pr.gov)

DEPARTAMENTO DE LA  
**VIVIENDA**



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July 23, 2024

Lourdes Mena  
Field Supervisor  
Caribbean Ecological Services Field Office  
U.S. Fish and Wildlife Service  
Office Park I, Suite 303  
State Road #2 Km 156.5  
Mayagüez, Puerto Rico 00680  
Email: [Caribbean\\_es@fws.gov](mailto:Caribbean_es@fws.gov); [Lourdes.Mena@fws.gov](mailto:Lourdes.Mena@fws.gov)

**RE: Puerto Rico Department of Housing / Re-Grow Program  
PR-RGRW-03935 – Jesús A. Anglero Figueroa DBA Aserradero Buena Fibra  
Endangered Species Concurrence for NLAA Determination**

Dear Mrs. Mena:

The Puerto Rico Department of Housing (PRDOH) is requesting an informal consultation under Section 7 (a)(2) of the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.) for the proposed project PR-RGRW-03935, located at PR-174 Road Km 13, Guaraguao Arriba Ward, Bayamón, PR 00956 (Parcel ID# 170-038-034-08). The coordinates of the project site are 18.299386, -66.139183.

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

The intent use of funds for the proposed project PR-RGRW-03935 consists of the purchase of compost cover materials, farming materials, and the purchase and installation of an irrigation system and shade cover, a solar system and two storage containers. The compost cover materials include the purchase of lumber, galvalume and Maxiseal Teks. The farming materials includes the purchase of planting pots, shade net, greenhouse polyclips, hosepoly, and planting trays.

The scope of work #1 (SOW-1) is the installation of a shade structure with Saran and an overhead irrigation system at coordinates 18.2993410, -66.1390602. The applicant proposes to use an estimated area of 50 feet x 60 feet for the plantation of species under the shade structure. The proposed shade structure requires at least 22 posts at a 3-foot depth, for anchoring purposes. The proposed shaded plantation area will be irrigated

with an above ground system that consists of three Polytubing of ½-inch by 100 feet and 62 psi. The applicant plans to install a rain harvesting system to be used as water supply for the irrigation.

The scope of work #2 (SOW-2) is the purchase and installation of a photovoltaic system at coordinates 18.2993862, -66.1391839. The applicant proposes a 14,000-kW solar system composed of 8 solar panels with a 7.5 kWh lithium battery. The system would be installed on top of the proposed storage container. Battery and inverter will be installed inside the storage container. No transfer switch is required.

The scope of work #3 (SOW-3) is the purchase and installation of two storage containers at coordinates 18.2993862, -66.1391839. The proposed containers are “used in good conditions” 40 foot, no wheels, containers. Each container will be anchored with the construction of at least six (6) on-site poured concrete bases 2.5 feet x 2.5 feet at a maximum depth of 3 feet. The proposed container will be used for the storage of fertilizer, farm equipment, and materials. The applicant plans to install in the middle of the 2 containers location an additional roofed area. Together with the containers, the galvalume roof will provide the collection area for the rain harvesting system. The proposed compost covered area is an approximate 46 feet x 16 feet wood and galvalume roof structure. Lumber post will be anchored with the construction of at least 16 on-site poured concrete bases 2.5 feet x 2.5 feet at a maximum depth of 3 feet. Each scope of work anticipated the need for clearing vegetation, grading, and some tree removal.

The parcel and proposed project areas are currently unused and heavily vegetated with underbrush. The proposed project footprints total an estimated 4,000 square feet of ground disturbance. This disturbance will take place near an existing highway to the west of the proposed project areas. Surrounding landscape includes mature, forested terrain to the west and south, residential areas to the north and east, and urban development's further northwest of the parcel. The National Wetlands Inventory (NWI) indicated that no wetlands are present within the proposed project area.

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

Name of the species	Threatened/Endangered/Candidate
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Endangered
Critical Habitat	
There are no critical habitats at this location.	

Upon review of iNaturalist.org, none of the listed species have been sighted within 2 miles of the proposed project areas within the last 9 years.

The Puerto Rican Boa habitat requirements per the U.S. Fish and Wildlife Service are as follows: "The Puerto Rican boa is considered a habitat generalist and tolerates a wide variety of habitat types (terrestrial and arboreal). These include: rocky areas and haystack hills, trees and branches, rotting stumps, caves (entrances and inside), plantations, various types of forested areas such as karst and mangrove forests, forested urban and rural areas, and along streams and road edges. Cave ecosystems and their surrounding forests are considered particularly important because of the availability of such ecological resources such as prey, shelter, thermal gradients, and mates for reproduction."

Based on the nature of the project, scope of work, information available, a careful analysis of the Project Site, and IPaC species list and determination key, we have made the following effects determinations:

Name of the species	Effect Determination	Conservation Measures that will be implemented
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Not Likely to Adversely Affect (NLAA)	USFWS Puerto Rican Boa Conservation Measures 2024
<b>Critical Habitat</b>		
There are no critical habitats at this location.		

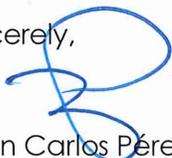
Given the relatively small area of disturbance, and lack of sightings of the listed species within the vicinity, we have determined that the project is not likely to adversely affect the Puerto Rican Boa provided the attached Conservation Measures are implemented as part of the proposed project. The automated informal consultation process was completed through the Information Planning and Consultation portal (<https://ipac.ecosphere.fws.gov/>) on July 1, 2024 and a determination of May Affect – Not Likely to Adversely Affect was given for the planned SOW within the parcel. Attached to this letter, we are including the IPaC resource documents, as well as the USFWS Puerto Rican Boa Conservation Measures for reference.

In order to complete the informal consultation process, we are requesting your concurrence for the NLAA determination for the Puerto Rican Boa. Attached to this letter, we are including the documents used to reach our effect determinations for the listed species.

For any questions or clarifications, please do not hesitate to contact us at the information below.

Thank you in advance for your consideration of this issue.

Sincerely,



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

**Attachments:**

Appendix A:

- Figure 1 – Project Location Map
- Figure 2 – Area of Potential Effect Map
- Figure 3 – Wetland Map
- Figure 4 – Endangered Species Map
- Figure 5 – Critical Habitats Map
- Figure 6 – Farmland Protection Map

Appendix B: Species List Caribbean Ecological Services and Consistency Letter SOW-1

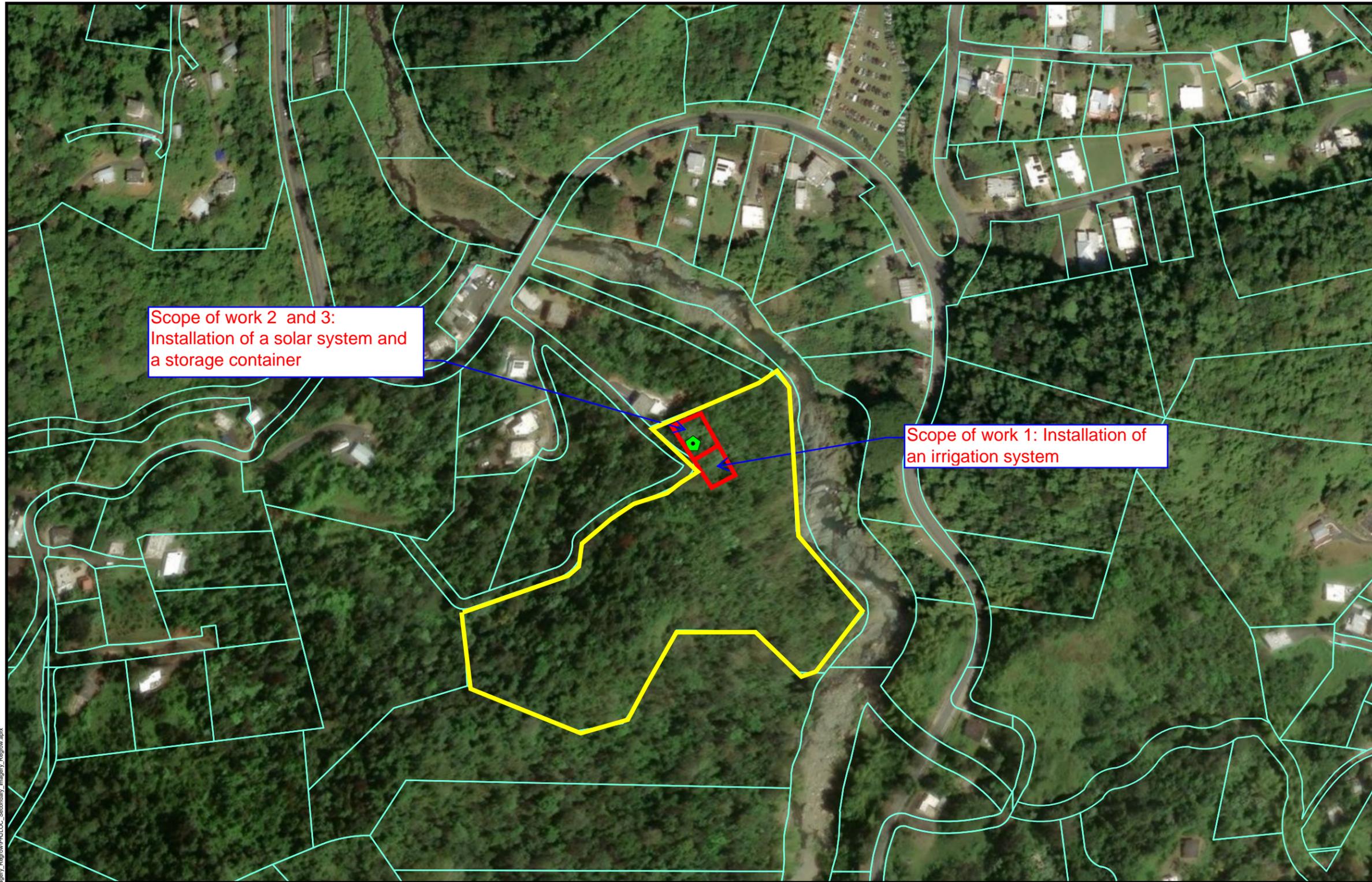
Appendix C: Species List Caribbean Ecological Services and Consistency Letter SOW-2 & SOW-3

Appendix D: Site Photos

Appendix E: USFWS Puerto Rican Boa Conservation Measures 2024

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

## Appendix A: Maps



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

Scope of work 2 and 3:  
Installation of a solar system and  
a storage container

Scope of work 1: Installation of  
an irrigation system

**PUERTO RICO**



**Figure 1: PROJECT LOCATION**

**APPLICANT ID: PR-RGRW-03935**

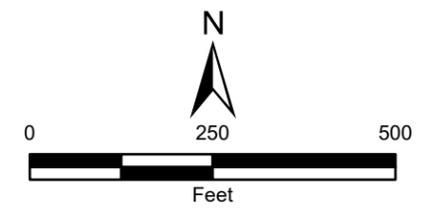
ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386 , -66.139183

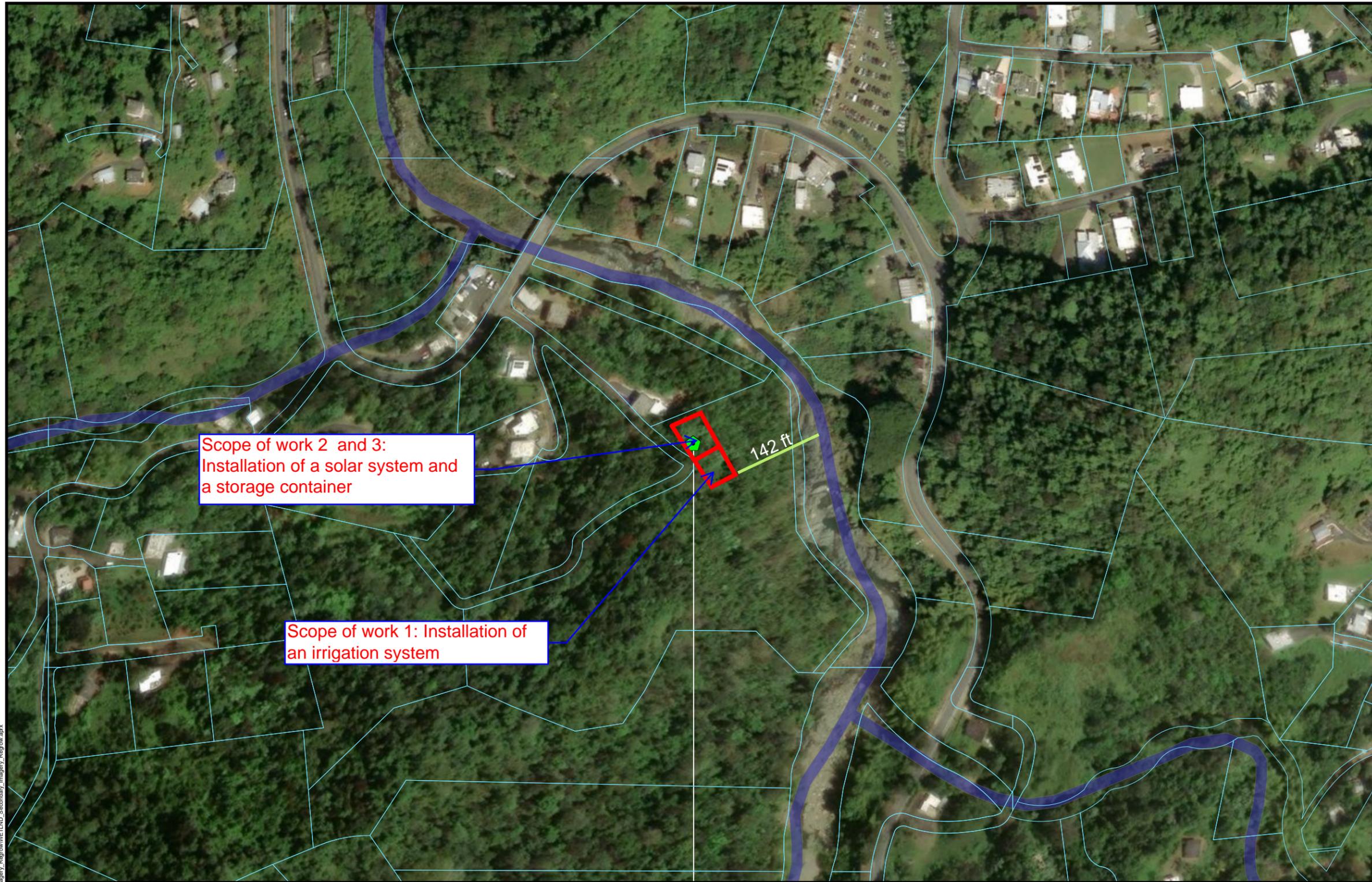


Source: ESRI  
<https://catastro.crimpr.net/cdprpc/>  
 Author: TG Date: 2/13/2024



File Path: Z:\data\USRT\Tier2\Regrow\pr\PRLOC\_Secondary\_Imagery\_Regrow\PRLOC\_Secondary\_Imagery\_Regrow.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
  - Distance to Wetland 142 ft



**TETRA TECH**

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

Author: TG      Date: 4/11/2024

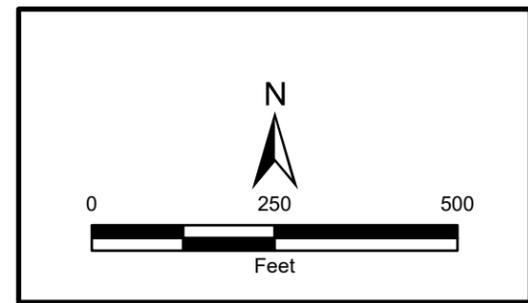
**WETLANDS**

**APPLICANT ID: PR-RGRW-03935**

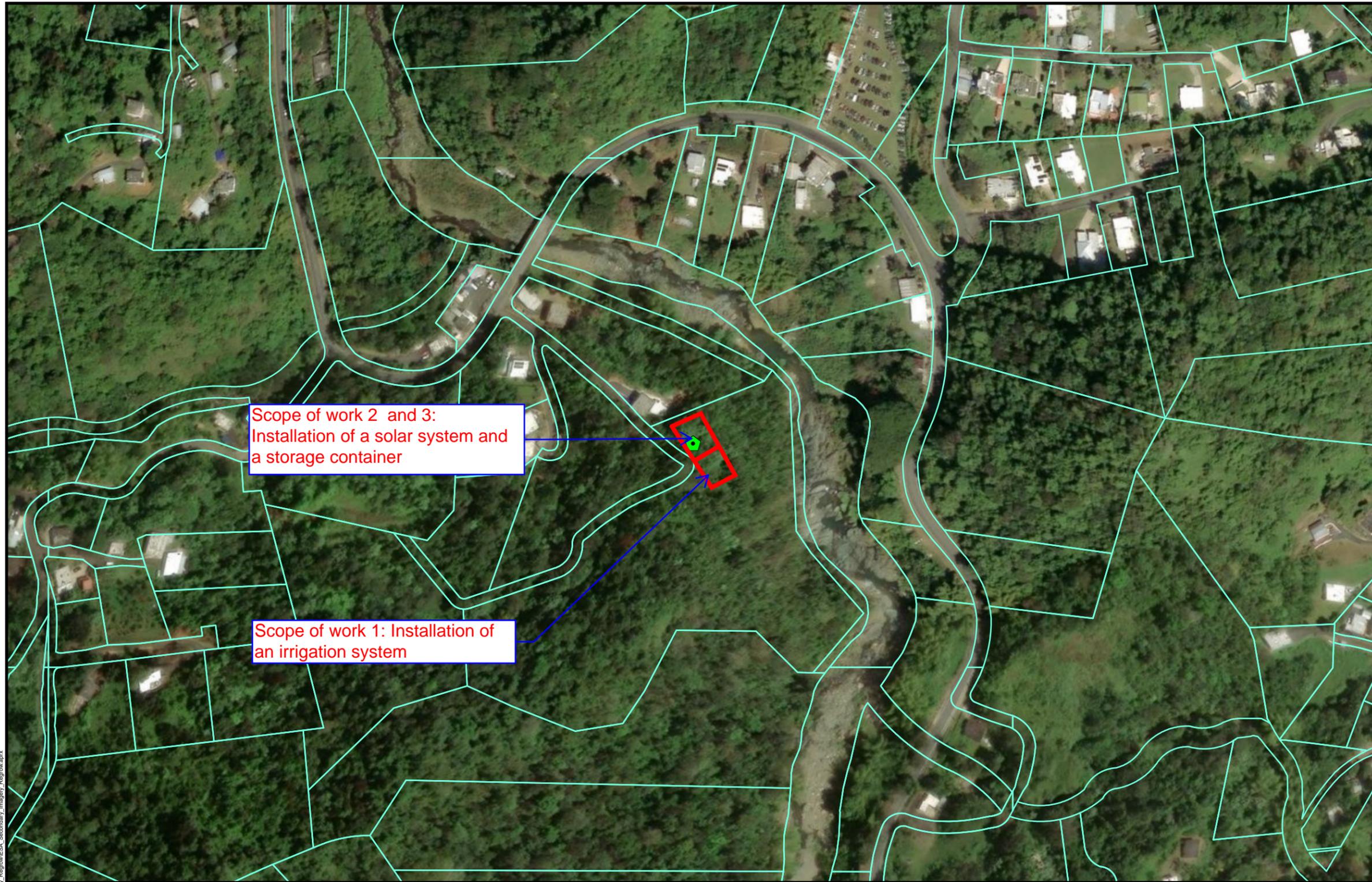
ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386 , -66.139183



File Path: Z:\data\USFWS\Tier2\Regrow\WETLAND\_Secondary\_Imagery\_Regrow\WETLAND\_Secondary\_Imagery\_Regrow.aprx



**Legend**

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

**PUERTO RICO**



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

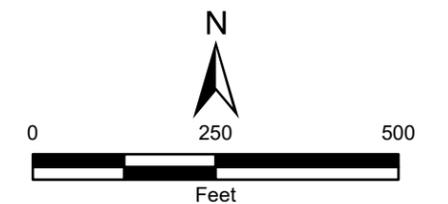
Author: TG Date: 4/11/2024

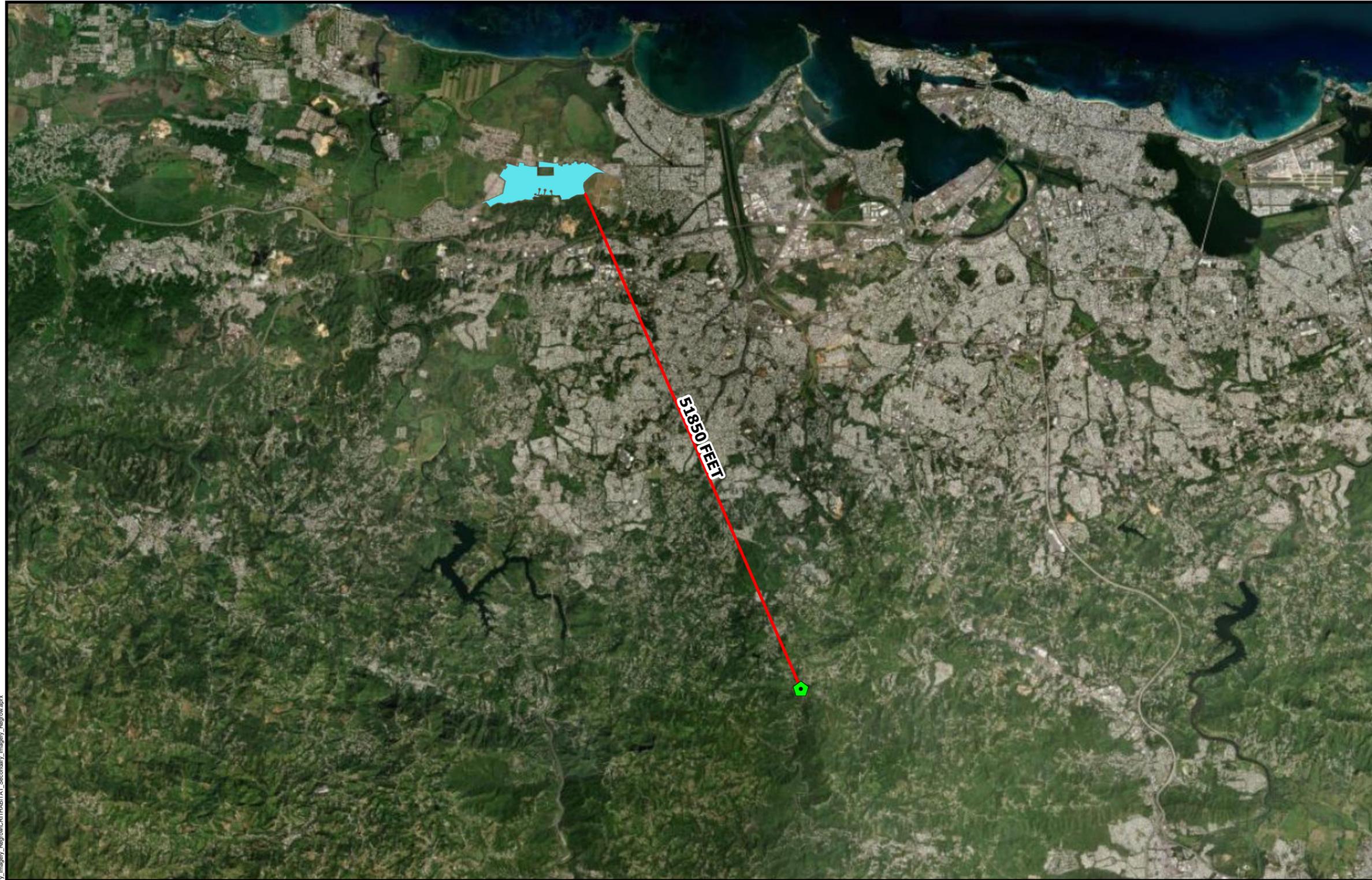
**ENDANGERED SPECIES ACT  
APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956

Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Parcel Coordinates: 18.299386, -66.139183





- Legend**
-  Project Parcel
  - Common Name**
  -  Llanero Coqui

**Distance to Nearest Critical Habitat:**  
51850 Feet

**PUERTO RICO**



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

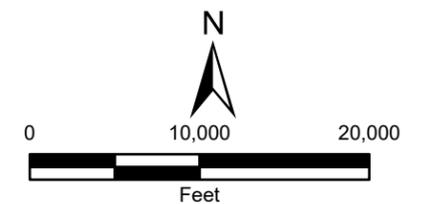


Source: U.S. FISH & WILDLIFE SERVICE  
<LINK><https://ecos.fws.gov></LINK>

Author: TG Date: 11/3/2023

**CRITICAL HABITATS**  
**APPLICANT ID: PR-RGRW-03935**

**ADDRESS:** KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon , PR 00956  
**Name of Development:** Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
**Parcel Coordinates:** 18.299386 , -66.139183





**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**

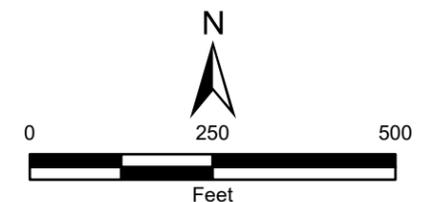


Source: USDA  
<https://websoilsurvey.sc.egov.usda.gov>

Author: TG Date: 11/3/2023

**FARMLAND PROTECTION**  
**APPLICANT ID: PR-RGRW-03935**

ADDRESS: KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon , PR 00956  
 Name of Development: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra  
 Parcel Coordinates: 18.299386 , -66.139183



Appendix B: Species List Caribbean Ecological Services  
and Consistency Letter SOW-1



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Post Office Box 491  
Boqueron, PR 00622-0491  
Phone: (939) 320-3135 Fax: (787) 851-7440  
Email Address: [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:

07/01/2024 20:55:03 UTC

Project Code: 2024-0111101

Project Name: PR-RGRW-03935 (SOW 1)

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

To Whom It May Concern:

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

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

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

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

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

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

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

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

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

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

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

This species list is provided by:

Caribbean Ecological Services Field Office

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

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

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

## OFFICIAL SPECIES LIST

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

This species list is provided by:

**Caribbean Ecological Services Field Office**

Post Office Box 491

Boqueron, PR 00622-0491

(939) 320-3135

## PROJECT SUMMARY

**Project Code:** 2024-0111101  
**Project Name:** PR-RGRW-03935 (SOW 1)  
**Project Type:** Restoration / Enhancement - Agricultural  
**Project Description:** The Scope of work 1 (SOW-1) is the installation of a shade structure with Saran and an overhead irrigation system at coordinates 18.2993410, -66.1390602. The applicant proposes to use an estimated area of 50- foot (ft) X 60 ft for the plantation of species under the shade structure. The proposed shade structure requires at least 22 posts at a 3 ft depth, for anchoring purposes. The proposed shaded plantation area will be irrigated with an above ground system that consists of 3 Poly tubing of ½ inches by 100 ft and 62 psi. The applicant plans to install a rain harvesting system to be used as water supply for the irrigation. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

**Project Location:**

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.299298,-66.13905095400018,14z>



**Counties:** Bayamón 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
<p>Puerto Rican Boa <i>Chilabothrus inornatus</i></p> <p>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/URVQS5ISPRESX5JVRGBEINKMLEI/documents/generated/7159.pdf">https://ipac.ecosphere.fws.gov/project/URVQS5ISPRESX5JVRGBEINKMLEI/documents/generated/7159.pdf</a></p>	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@tetrattech.com  
Phone: 4096591563



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Post Office Box 491  
Boqueron, PR 00622-0491  
Phone: (939) 320-3135 Fax: (787) 851-7440  
Email Address: [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:

07/01/2024 20:58:52 UTC

Project code: 2024-0111101

Project Name: PR-RGRW-03935 (SOW 1)

Subject: Concurrence letter for the project named 'PR-RGRW-03935 (SOW 1)' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On July 01, 2024, Shelby McDowell used the Caribbean DKey; dated April 03, 2024, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-RGRW-03935 (SOW 1)'. The project is located in Bayamón County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.299298,-66.13905095400018,14z>



The following description was provided for the project 'PR-RGRW-03935 (SOW 1)':

The Scope of work 1 (SOW-1) is the installation of a shade structure with Saran and an overhead irrigation system at coordinates 18.2993410, -66.1390602. The applicant proposes to use an estimated area of 50- foot (ft) X 60 ft for the plantation of species under the shade structure. The proposed shade structure requires at least 22 posts at a 3 ft depth, for anchoring purposes. The proposed shaded plantation area will be irrigated with an above ground system that consists of 3 Polytubing of ½ inches by 100 ft and 62 psi. The applicant plans to install a rain harvesting system to be used as water supply for the irrigation. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

Based on your answers and the assistance of the Service’s Caribbean DKey, you made the following effect determination(s) for the proposed Action:

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

Based on the answers provided in IPaC, the proposed project is consistent with a “may affect but is not likely to adversely affect” (NLAA) for the species listed above because your project impacts to the species will be avoided or minimized using the **Conservation Measures** you agreed to implement. These conservation measures must be implemented during the project development to ensure compliance with Section 7(a)(2) of the ESA.

No further action is required for the species listed above. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a “may affect, not likely to adversely affect” (NLAA) determination for federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NLAA concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

**Note:** Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species.** If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean\_es@fws.gov) to determine whether the consultation needs to be reinitiated.

If the proposed project is located within species range where a DKey has not been developed for those species, please follow the established guidance for initiating section 7 consultation Caribbean Ecological Services Field Office.

We appreciate your interest in protecting endangered species and their habitats. It is the Service's mission to work with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of our people. If you have any questions or require additional information, please contact our office at [Caribbean\\_es@fws.gov](mailto:Caribbean_es@fws.gov).

## Action Description

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

### 1. Name

PR-RGRW-03935 (SOW 1)

### 2. Description

The following description was provided for the project 'PR-RGRW-03935 (SOW 1)':

The Scope of work 1 (SOW-1) is the installation of a shade structure with Saran and an overhead irrigation system at coordinates 18.2993410, -66.1390602. The applicant proposes to use an estimated area of 50- foot (ft) X 60 ft for the plantation of species under the shade structure. The proposed shade structure requires at least 22 posts at a 3 ft depth, for anchoring purposes. The proposed shaded plantation area will be irrigated with an above ground system that consists of 3 Polytubing of ½ inches by 100 ft and 62 psi. The applicant plans to install a rain harvesting system to be used as water supply for the irrigation. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.299298,-66.13905095400018,14z>



## QUALIFICATION INTERVIEW

1. Is the proposed project an EPA Multi-Sector General Permit (MSGP) renewal for an existing project? ([MSGP Fact Sheet](#))

*No*

2. Is the proposed project within an urban developed area? (i.e., cities, downtowns, shopping malls etc.)

**Note:** Urban and developed areas has one or more of the following characteristics: Presence of existing buildings, residential areas, and commercial establishments. Well-established infrastructure including roads, utilities, and urban facilities. High population density. Established neighborhoods and urban amenities ("urbanizaciones"). Developed landscape with paved surfaces, parking lots, and industrial areas. Signs of human activity and urbanization, such as shopping centers and recreational facilities. Location within the boundaries of a city or town ("casco urbano"). High concentration of built-up structures and limited open spaces. Aerial imagery might be requested to the applicant. .

*No*

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

*No*

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

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

*No*

5. Does the proposed project consist of repavement or repair of existing roads and installing transit signage or guardrails?

*No*

6. Does the proposed project consist of the construction of gutters and/or sidewalks along existing roads, and developments?

*No*

7. Does the proposed project consist of replacement or repair of existing bridges which include cutting vegetation or earth movement?

*No*

8. Does the proposed project consist of activities within existing Right of Ways (ROWs) along roads which include cutting vegetation or earth movement?

*No*

9. Is the proposed project located within a rural area covered by grassland (pasture lands "pastos")?

*No*

10. Is the proposed project adjacent or within a forested area?

**Note:** Examples of immediately adjacent to forested areas are rock walls and haystack hills (“mogotes”), wet montane forest, lowland wet forest, remnant coastal, mangrove forest, damp and dry limestone karst forests, pastureland with patches of exotic trees.

*Yes*

11. Is the project area more than 1 acre?

*No*

12. Is the proposed project an existing facility or the expansion of an existing facility within the footprint of the already developed area?

*No*

13. Is the proposed project a new facility which would require earth moving, vegetation clearing, or debris removal using heavy machinery, the use of staging areas, construction of temporary access roads?

*Yes*

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

**Automatically answered**

*Yes*

15. Will the proposed project implement the U.S. Fish and Wildlife [Puerto Rican boa Conservation Measures](#)?

*Yes*

16. Are you the Federal agency or designated non-federal representative for the proposed action?

*Yes*

## **IPAC USER CONTACT INFORMATION**

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

## **LEAD AGENCY CONTACT INFORMATION**

Lead Agency: Department of Housing and Urban Development

Appendix C: Species List Caribbean Ecological Services  
and Consistency Letter SOW-2 & SOW-3



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Post Office Box 491  
Boqueron, PR 00622-0491  
Phone: (939) 320-3135 Fax: (787) 851-7440  
Email Address: [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:

07/01/2024 21:05:35 UTC

Project Code: 2024-0111111

Project Name: PR-RGRW-03935 (SOW 2&3)

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

To Whom It May Concern:

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

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

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

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

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

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

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

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

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

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

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

This species list is provided by:

Caribbean Ecological Services Field Office

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

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

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

## OFFICIAL SPECIES LIST

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

This species list is provided by:

**Caribbean Ecological Services Field Office**

Post Office Box 491

Boqueron, PR 00622-0491

(939) 320-3135

## PROJECT SUMMARY

Project Code: 2024-0111111  
Project Name: PR-RGRW-03935 (SOW 2&3)  
Project Type: Restoration / Enhancement - Agricultural  
Project Description: The Scope of work 2 (SOW-2) is the purchase and installation of a photovoltaic system at coordinates 18.2993862, -66.1391839. The applicant proposes a 14,000-kW solar system composed of 8 solar panels with a 7.5 kWh lithium battery. The system would be installed on top of the proposed storage container. Battery and inverter will be installed inside the storage container. No transfer switch is required. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

The Scope of work 3 (SOW-3) is the purchase and installation of two storage containers at coordinates 18.2993862, -66.1391839. The proposed containers are “used in good conditions” 40 ft, no wheels, containers. Each container will be anchored with the construction of at least six (6) on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The proposed container will be used for the storage of fertilizer, farm equipment, and materials. The applicant plans to install in the middle of the 2 containers location an additional roofed area. Together with the containers, the galvalume roof will provide the collection area for the rain harvesting system. The proposed compost covered area is an approximate 46 ft x 16 ft wood and galvalume roof structure. Lumber post will be anchored with the construction of at least 16 on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

### Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2993948,-66.13918866505955,14z>



Counties: Bayamón 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
<p>Puerto Rican Boa <i>Chilabothrus inornatus</i></p> <p>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/GXUIJMDB2NABTNKDWHT3KUNHUU/documents/generated/7159.pdf">https://ipac.ecosphere.fws.gov/project/GXUIJMDB2NABTNKDWHT3KUNHUU/documents/generated/7159.pdf</a></p>	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@tetrattech.com  
Phone: 4096591563



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Post Office Box 491  
Boqueron, PR 00622-0491  
Phone: (939) 320-3135 Fax: (787) 851-7440  
Email Address: [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:

07/01/2024 21:11:53 UTC

Project code: 2024-0111111

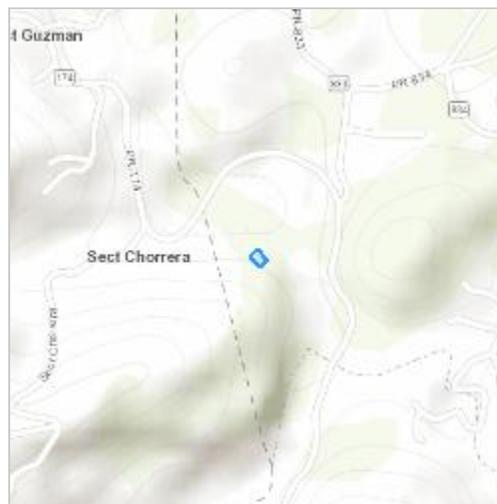
Project Name: PR-RGRW-03935 (SOW 2&3)

Subject: Concurrence letter for the project named 'PR-RGRW-03935 (SOW 2&3)' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On July 01, 2024, Shelby McDowell used the Caribbean DKey; dated April 03, 2024, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-RGRW-03935 (SOW 2&3)'. The project is located in Bayamón County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2993948,-66.13918866505955,14z>



The following description was provided for the project 'PR-RGRW-03935 (SOW 2&3)':

The Scope of work 2 (SOW-2) is the purchase and installation of a photovoltaic system at coordinates 18.2993862, -66.1391839. The applicant proposes a 14,000-kW solar system composed of 8 solar panels with a 7.5 kWh lithium battery. The system would be installed on top of the proposed storage container. Battery and inverter will be installed inside the storage container. No transfer switch is required. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

The Scope of work 3 (SOW-3) is the purchase and installation of two storage containers at coordinates 18.2993862, -66.1391839. The proposed containers are “used in good conditions” 40 ft, no wheels, containers. Each container will be anchored with the construction of at least six (6) on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The proposed container will be used for the storage of fertilizer, farm equipment, and materials. The applicant plans to install in the middle of the 2 containers location an additional roofed area. Together with the containers, the galvalume roof will provide the collection area for the rain harvesting system. The proposed compost covered area is an approximate 46 ft x 16 ft wood and galvalume roof structure. Lumber post will be anchored with the construction of at least 16 on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

Based on your answers and the assistance of the Service’s Caribbean DKey, you made the following effect determination(s) for the proposed Action:

<b>Species</b>	<b>Listing Status</b>	<b>Determination</b>
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Endangered	NLAA

Based on the answers provided in IPaC, the proposed project is consistent with a “may affect but is not likely to adversely affect” (NLAA) for the species listed above because your project impacts to the species will be avoided or minimized using the **Conservation Measures** you agreed to implement. These conservation measures must be implemented during the project development to ensure compliance with Section 7(a)(2) of the ESA.

No further action is required for the species listed above. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a “may affect, not likely to adversely affect” (NLAA) determination for federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NLAA concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local

knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

**Note:** Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species.** If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean\_es@fws.gov) to determine whether the consultation needs to be reinitiated.

If the proposed project is located within species range where a DKey has not been developed for those species, please follow the established guidance for initiating section 7 consultation Caribbean Ecological Services Field Office.

We appreciate your interest in protecting endangered species and their habitats. It is the Service's mission to work with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of our people. If you have any questions or require additional information, please contact our office at Caribbean\_es@fws.gov.

## Action Description

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

### 1. Name

PR-RGRW-03935 (SOW 2&3)

### 2. Description

The following description was provided for the project 'PR-RGRW-03935 (SOW 2&3)':

The Scope of work 2 (SOW-2) is the purchase and installation of a photovoltaic system at coordinates 18.2993862, -66.1391839. The applicant proposes a 14,000-kW solar system composed of 8 solar panels with a 7.5 kWh lithium battery. The system would be installed on top of the proposed storage container. Battery and inverter will be installed inside the storage container. No transfer switch is required. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

The Scope of work 3 (SOW-3) is the purchase and installation of two storage containers at coordinates 18.2993862, -66.1391839. The proposed containers are “used in good conditions” 40 ft, no wheels, containers. Each container will be anchored with the construction of at least six (6) on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The proposed container will be used for the storage of fertilizer, farm equipment, and materials. The applicant plans to install in the middle of the 2 containers location an additional roofed area. Together with the containers, the galvalume roof will provide the collection area for the rain harvesting system. The proposed compost covered area is an approximate 46 ft x 16 ft wood and galvalume roof structure. Lumber post will be anchored with the construction of at least 16 on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2993948,-66.13918866505955,14z>



## QUALIFICATION INTERVIEW

1. Is the proposed project an EPA Multi-Sector General Permit (MSGP) renewal for an existing project? ([MSGP Fact Sheet](#))

*No*

2. Is the proposed project within an urban developed area? (i.e., cities, downtowns, shopping malls etc.)

**Note:** Urban and developed areas has one or more of the following characteristics: Presence of existing buildings, residential areas, and commercial establishments. Well-established infrastructure including roads, utilities, and urban facilities. High population density. Established neighborhoods and urban amenities ("urbanizaciones"). Developed landscape with paved surfaces, parking lots, and industrial areas. Signs of human activity and urbanization, such as shopping centers and recreational facilities. Location within the boundaries of a city or town ("casco urbano"). High concentration of built-up structures and limited open spaces. Aerial imagery might be requested to the applicant. .

*No*

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

*No*

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

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

*No*

5. Does the proposed project consist of repavement or repair of existing roads and installing transit signage or guardrails?

*No*

6. Does the proposed project consist of the construction of gutters and/or sidewalks along existing roads, and developments?

*No*

7. Does the proposed project consist of replacement or repair of existing bridges which include cutting vegetation or earth movement?

*No*

8. Does the proposed project consist of activities within existing Right of Ways (ROWs) along roads which include cutting vegetation or earth movement?

*No*

9. Is the proposed project located within a rural area covered by grassland (pasture lands "pastos")?

*No*

10. Is the proposed project adjacent or within a forested area?

**Note:** Examples of immediately adjacent to forested areas are rock walls and haystack hills (“mogotes”), wet montane forest, lowland wet forest, remnant coastal, mangrove forest, damp and dry limestone karst forests, pastureland with patches of exotic trees.

*Yes*

11. Is the project area more than 1 acre?

*No*

12. Is the proposed project an existing facility or the expansion of an existing facility within the footprint of the already developed area?

*No*

13. Is the proposed project a new facility which would require earth moving, vegetation clearing, or debris removal using heavy machinery, the use of staging areas, construction of temporary access roads?

*Yes*

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

**Automatically answered**

*Yes*

15. Will the proposed project implement the U.S. Fish and Wildlife [Puerto Rican boa Conservation Measures](#)?

*Yes*

16. Are you the Federal agency or designated non-federal representative for the proposed action?

*Yes*

## **IPAC USER CONTACT INFORMATION**

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

## **LEAD AGENCY CONTACT INFORMATION**

Lead Agency: Department of Housing and Urban Development

## Appendix D: Site Photos

**Front of Structure**

Photo Direction: Northeast



**Facing Away From Front**

Photo Direction: Southwest



**Side #1 of Structure**

Photo Direction: Southwest



**Facing Away From Side #1**

Photo Direction: Northeast



**Back of Structure**

Photo Direction: Northwest



**Facing Away From Back**

Photo Direction: Southeast



**Side #2 of Structure**

Photo Direction: Northeast



**Facing Away From Side #2**

Photo Direction: Southwest



**Streetscape #1**

Photo Direction: Southwest



**Streetscape #2**

Photo Direction: Southeast



Address

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



**Scope Of Work**

Photo Description: Scope of work 1: Irrigation System

Photo Direction: Southwest



**Scope Of Work**

Photo Description: Scope of work 1: Irrigation System

Photo Direction: Northeast



**Scope Of Work**

Photo Description: Scope of work 1: Irrigation System

Photo Direction: Northwest



**Scope Of Work**

Photo Description: Scope of work 2 and 3: Solar system and storage container area

Photo Direction: Southeast



**Scope Of Work**

Photo Description: Scope of work 2 and 3: Solar system and storage container area

Photo Direction: Northeast



**Scope Of Work**

Photo Description: Scope of work 2 and 3: Solar system and storage container area

Photo Direction: Northwest



**Scope Of Work**

Photo Description: Scope of work 2 and 3: Solar system and storage container area

Photo Direction: Northeast



## Appendix E: USFWS Puerto Rican Boa Conservation Measures 2024

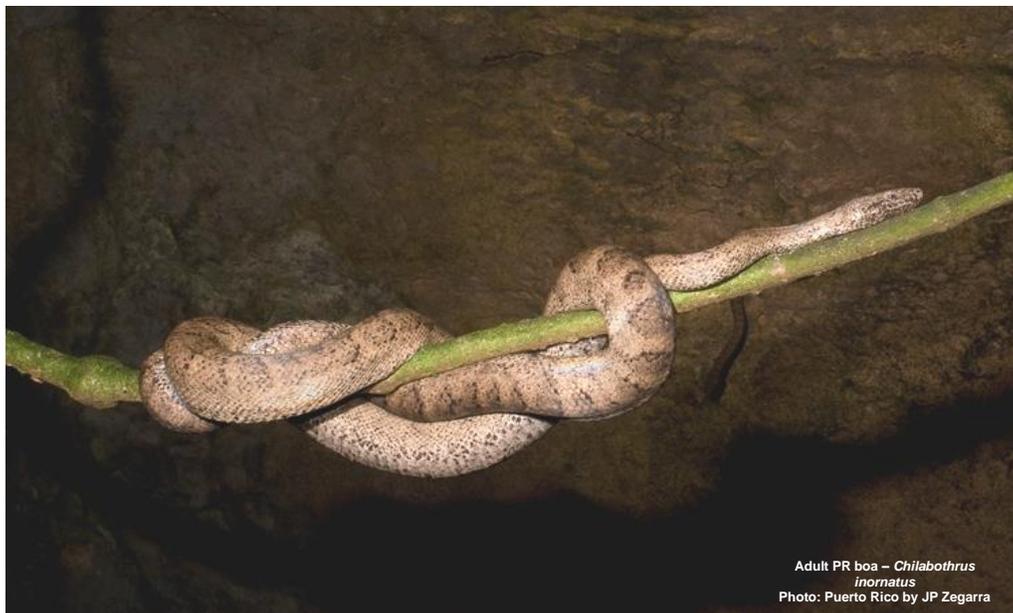


## U.S. FISH AND WILDLIFE SERVICE CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

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

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

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



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

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

#### Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.
2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.
3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or project personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.
4. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #5). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #: (787) 724-5700, (787) 230-5550, (787) 771-1124). **If immediate relocation is not an option, project-related activities at that area must stop until the boa moves out of harm's way on its own.** Activities at other work sites, where no boas have been found after surveying the area, may continue.
5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

6. If a PR boa is captured by PRDNER personnel, record the name of that person and information on where the PR boa will be taken. This information should be reported to the Service.
7. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal, and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #4). If not possible, the animal should be left alone until it leaves the vehicle on its own.
8. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
9. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #5). If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.
10. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

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

- José Cruz-Burgos, Endangered Species Program Coordinator
  - Email: [jose\\_cruz-burgos@fws.gov](mailto:jose_cruz-burgos@fws.gov)
  - Office phone (305) 304-1386
- Jan Zegarra, Fish and Wildlife Biologist
  - Email: [jan\\_zegarra@fws.gov](mailto:jan_zegarra@fws.gov)
  - Office phone (786) 933-1451

# **APPENDIX E**

## **Section 106 Consultation**



# GOVERNMENT OF PUERTO RICO

## STATE HISTORIC PRESERVATION OFFICE

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

Friday, June 28, 2024

Lauren B Poche

269 Avenida Ponce de León, San Juan, PR, 00917

SHPO-CF-06-07-24-12 PR-RGRW-03935 (Bayamón), Jesus A. Anglero Figueroa  
DBA Aserradero Buena Fibra

Ms. Poche,

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 within the project's area of potential effects.

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

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/OJR



Cuartel de Ballajá (Tercer Piso), Calle Norzagaray, Esq. Beneficencia, Viejo San Juan, PR 00901 | PO Box 9023935, San Juan, PR 00902-3935

June 7, 2024

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-03935 – Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra – KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, 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 Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra located at KM 13 Carr 174 Barrio Guaraguao Arriba, in the municipality of Bayamon. The undertaking for this project includes the purchase of compost cover materials, farming materials, and the purchase and installation of a shade structure and an irrigation system, a solar system, and two storage containers with a roofed area connecting the containers.

The installation of a shade structure with Saran and an overhead irrigation system will occur at coordinates 18.2993410, -66.1390602. The applicant proposes to use an estimated area of 50- foot (ft) X 60 ft for the plantation of species under the shade structure. The proposed shade structure requires at least 22 posts at a 3 ft depth, for anchoring purposes. The proposed shaded plantation area will be irrigated with an above ground rain harvesting system to be used as water supply for the irrigation. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

The purchase and installation of two storage containers will occur at coordinates 18.2993862, -66.1391839. The proposed containers will be anchored with the construction of at least six (6) on-site poured concrete bases

2.5 ft x 2.5 ft at a maximum depth of 3 ft. The applicant proposes a 14,000-kW solar system composed of 8 solar panels with a 7.5 kWh lithium battery on top of the proposed storage containers. The proposed containers also will be used for the storage of fertilizer, farm equipment, and materials. The applicant plans to install an additional roofed area between the two containers to store compost. Together with the containers, the galvalume roof will provide a collection area for the rain harvesting system. The proposed compost covered area is an approximate 46 ft x 16 ft wood and galvalume roof structure. Lumber post will be anchored with the construction of at least 16 on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

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  
LBP/JLE

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> Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra		
<b>Case ID:</b> PR-RGRW-03935	<b>City:</b> Bayamon	

<b>Project Location:</b> KM 13 Carr 174 Barrio Guaraguao Arriba, Bayamon, PR 00956	
<b>Project Coordinates:</b> 18.299386, -66.139183	
<b>TPID (Número de Catastro):</b> 170-038-034-08-000	
<b>Type of Undertaking:</b>	
<input type="checkbox"/> Substantial Repair <input checked="" type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b> c2000	<b>Property Size (acres):</b> 4.86

<b>SOI-Qualified Architect/Architectural Historian:</b> Maria F. Lopez Schmid
<b>Date Reviewed:</b> 2/15/2024
<b>SOI-Qualified Archaeologist:</b> Pollyanna Clark, MA, RPA
<b>Date Reviewed:</b> 3/1/2024

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 intent use of funds for the proposed project consists of the purchase of compost cover materials, farming materials, and the purchase and installation of an irrigation system and shade cover, a solar system, and 2 storage containers. The compost cover materials include the purchase of lumber, galvalume and maxiseal teks. The farming materials includes the purchase of planting pots, shade net, greenhouse polyclips, hosepoly, and planting trays. The potential impacts associated to the purchase and installation of compost cover materials, an irrigation system with shade cover, a solar system, and storage containers are included in the analyses below. The past use of the parcel is unknown. Currently land is not in use.

The Scope of work 1 (SOW-1) is the installation of a shade structure with Saran and an overhead irrigation system at coordinates 18.2993410, -66.1390602. The applicant proposes to use an estimated area of 50- foot (ft) X 60 ft for the plantation of species under the shade structure. The proposed shade structure requires at least 22 posts at a 3 ft depth, for anchoring purposes. The proposed shaded plantation area will be irrigated with an above ground system that consists of 3 Poly tubing of ½ inches by 100 ft and 62 psi. The applicant plans to install a rain harvesting system to be used as water supply for the irrigation. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

<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> Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra	
<b>Case ID:</b> PR-RGRW-03935	<b>City:</b> Bayamon

The Scope of work 2 (SOW-2) is the purchase and installation of a photovoltaic system at coordinates 18.2993862, -66.1391839. The applicant proposes a 14,000-kW solar system composed of 8 solar panels with a 7.5 kWh lithium battery. The system would be installed on top of the proposed storage container. Battery and inverter will be installed inside the storage container. No transfer switch is required. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

The Scope of work 3 (SOW-3) is the purchase and installation of two storage containers at coordinates 18.2993862, -66.1391839. The proposed containers are "used in good conditions" 40 ft, no wheels, containers. Each container will be anchored with the construction of at least six (6) on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The proposed container will be used for the storage of fertilizer, farm equipment, and materials. The applicant plans to install in the middle of the 2 containers location an additional roofed area. Together with the containers, the galvalume roof will provide the collection area for the rain harvesting system. The proposed compost covered area is an approximate 46 ft x 16 ft wood and galvalume roof structure. Lumber post will be anchored with the construction of at least 16 on-site poured concrete bases 2.5 ft x 2.5 ft at a maximum depth of 3 ft. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

No new water or power connection is required. Power needed to operate storage containers and battery equipment charge will be provided by the proposed photovoltaic system. Water for the irrigation of species plantation will be collected from the rain and will convey via gravity with the use of elevation difference between storage and irrigation area. System will be installed aboveground. Field is not graded. The project site will require clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, and trees removal.

**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 the installation of shade structure and an irrigation system, a solar system, and 2 storage containers is 0.38 acres and roofed area, and the visual APE is the viewshed of the proposed project. The Areas of Potential Effects includes a 15-meter buffer to the rear and sides of the proposed activities.

**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

<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> Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra		
<b>Case ID:</b> PR-RGRW-03935		<b>City:</b> Bayamon

this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that there is one reported archaeological site within a quarter-mile radius of the APE (**Table 1**).

**Table 1. Archaeological Sites Located Within a Quarter-Mile Radius of Project Area**

Name	SHPO id #	IPRC id #	Distance/ Direction	Description	NRHP (listed, eligible, non-eligible, no data, To be determined)
Quebrada Bello Gallon	BN0100019	BA-1	0.13 mi northwest	12 petroglyphs. Time period: pre-colonial. Cultural association: ceramico-Chicoide.	To be determined
Petroglyphs at Bank of Rio Bayamon	No data	No data	No data	Pre-colonial petroglyphs: "3 bearded images and 7 simple faces" (Dubelaar et al. 1999: 45)	To be determined

In the "Pre-historic Rock Art of Puerto Rico" (OMB No. 1024-0018), two sites featuring petroglyphs are referenced: one in Quebrada Bello Gallon (BN0100019) and another at the Bank of Rio Bayamon. However, both sites describe a rock wall with petroglyphs exhibiting similar typology, reported as "rock wall or mural with 12 images" and "3 bearded images and 7 simple faces" (Dubelaar et al. 1999: 45). This similarity suggests a possibility that the information pertains to the same petroglyph group rather than discrete sites. The Taino's, pre-colonial peoples of Puerto Rico, typically placed their ball courts on a higher elevation area near the confluence of waterways and their rock art is usually found upstream and downstream to the confluence of waterways. Nevertheless, BN0100019 has a preliminary cultural association with the Agro-alfarero III (ca. 1200-1500 AD) and requires further investigation to determine eligibility for the National Register of Historic Properties (NRHP). Our research revealed no previous cultural resource surveys within a quarter-mile radius of the APE.

The landscape topography and soil characteristics are pivotal factors in assessing the likelihood of discovering archaeological sites and the potential for site preservation in a given location. The APE comprises Mucara clay, with slopes ranging from 40 to 60 percent (MxF), characterized by a moderately deep solum and moderately well-drained properties. This soil type originated from material weathered from basalt and is described as slightly acidic to

<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> Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra	
<b>Case ID:</b> PR-RGRW-03935	<b>City:</b> Bayamon

neutral, anticipating minimal impact on the preservation of most classes of artifacts and archaeological features. The closest freshwater body (Quebrada Sonadora) is approximately 0.04 mi (0.07 km) east of the project area. This topography and environmental characteristics align with Taino land use and the project area has the potential for pre-colonial archaeological deposits. However, the steep slopes diminish the possibilities of discovering well-preserved archaeological deposits.

The topography, marked by steep slopes and drainage patterns of the soil, coupled with the proximity to waterways where the Tainos interacted with the environment, indicates a moderate potential for the discovery of new, well-preserved archaeological sites within the APE.

### Identification of Historic Properties - Architecture

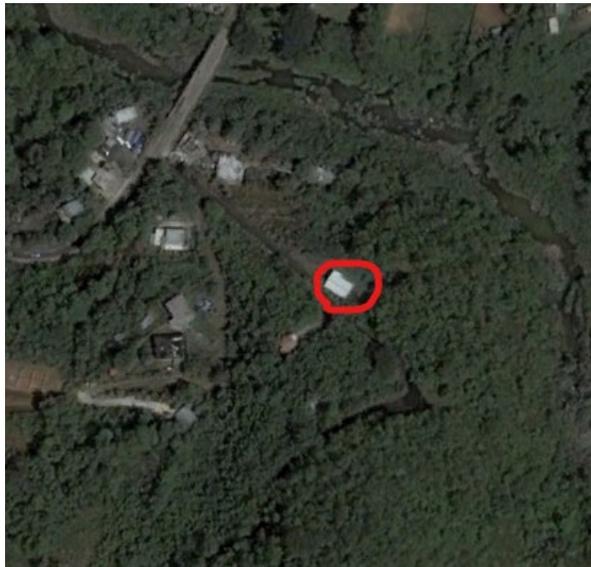
Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area 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 surrounded by mature vegetation. The property lies east of Route PR-174 in Bayamon near the boundary with the town of Guaynabo to the east. The town boundary line follows the Quebrada Sonadora creek in this area. A circa 2000 building is located northwest of the APE geocoordinates. The building appears in a 2003 aerial image, shown below, but is absent from a 1994 aerial image. This building has a corrugated metal roof. A concrete building was constructed c2017 just west of this one.

Subrecipient: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

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Figures 1 & 2. Detail of 2003 and 2017 aerial images indicating the location of the building on the property.

These buildings are modern and **do 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 in which the Area of Potential Effect of case PR-RGRW-03935 is located. The closest freshwater body (Quebrada Sonadora) is approximately 0.05 mi (0.09 km) northeast of the project area. The construction of public roads and residential structures has minimally disturbed the surrounding terrain. 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>		
<b>Subrecipient:</b> Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra		
<b>Case ID:</b> PR-RGRW-03935		<b>City:</b> Bayamon

**Recommendation (Please keep on same page as SHPO Staff Section)**

The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

- No Historic Properties Affected
- No Adverse Effect  
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: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Case ID: PR-RGRW-03935

City: Bayamon

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



PR-1981-2-0401/0402/0403/0404/0405/0406/0407/0408/0409/0410/0411/0412/0413/0414/0415/0416/0417/0418/0419/0420/0421/0422/0423/0424/0425/0426/0427/0428/0429/0430/0431/0432/0433/0434/0435/0436/0437/0438/0439/0440/0441/0442/0443/0444/0445/0446/0447/0448/0449/0450/0451/0452/0453/0454/0455/0456/0457/0458/0459/0460/0461/0462/0463/0464/0465/0466/0467/0468/0469/0470/0471/0472/0473/0474/0475/0476/0477/0478/0479/0480/0481/0482/0483/0484/0485/0486/0487/0488/0489/0490/0491/0492/0493/0494/0495/0496/0497/0498/0499/0500/0501/0502/0503/0504/0505/0506/0507/0508/0509/0510/0511/0512/0513/0514/0515/0516/0517/0518/0519/0520/0521/0522/0523/0524/0525/0526/0527/0528/0529/0530/0531/0532/0533/0534/0535/0536/0537/0538/0539/0540/0541/0542/0543/0544/0545/0546/0547/0548/0549/0550/0551/0552/0553/0554/0555/0556/0557/0558/0559/0560/0561/0562/0563/0564/0565/0566/0567/0568/0569/0570/0571/0572/0573/0574/0575/0576/0577/0578/0579/0580/0581/0582/0583/0584/0585/0586/0587/0588/0589/0590/0591/0592/0593/0594/0595/0596/0597/0598/0599/0600/0601/0602/0603/0604/0605/0606/0607/0608/0609/0610/0611/0612/0613/0614/0615/0616/0617/0618/0619/0620/0621/0622/0623/0624/0625/0626/0627/0628/0629/0630/0631/0632/0633/0634/0635/0636/0637/0638/0639/0640/0641/0642/0643/0644/0645/0646/0647/0648/0649/0650/0651/0652/0653/0654/0655/0656/0657/0658/0659/0660/0661/0662/0663/0664/0665/0666/0667/0668/0669/0670/0671/0672/0673/0674/0675/0676/0677/0678/0679/0680/0681/0682/0683/0684/0685/0686/0687/0688/0689/0690/0691/0692/0693/0694/0695/0696/0697/0698/0699/0700/0701/0702/0703/0704/0705/0706/0707/0708/0709/0710/0711/0712/0713/0714/0715/0716/0717/0718/0719/0720/0721/0722/0723/0724/0725/0726/0727/0728/0729/0730/0731/0732/0733/0734/0735/0736/0737/0738/0739/0740/0741/0742/0743/0744/0745/0746/0747/0748/0749/0750/0751/0752/0753/0754/0755/0756/0757/0758/0759/0760/0761/0762/0763/0764/0765/0766/0767/0768/0769/0770/0771/0772/0773/0774/0775/0776/0777/0778/0779/0780/0781/0782/0783/0784/0785/0786/0787/0788/0789/0790/0791/0792/0793/0794/0795/0796/0797/0798/0799/0800/0801/0802/0803/0804/0805/0806/0807/0808/0809/0810/0811/0812/0813/0814/0815/0816/0817/0818/0819/0820/0821/0822/0823/0824/0825/0826/0827/0828/0829/0830/0831/0832/0833/0834/0835/0836/0837/0838/0839/0840/0841/0842/0843/0844/0845/0846/0847/0848/0849/0850/0851/0852/0853/0854/0855/0856/0857/0858/0859/0860/0861/0862/0863/0864/0865/0866/0867/0868/0869/0870/0871/0872/0873/0874/0875/0876/0877/0878/0879/0880/0881/0882/0883/0884/0885/0886/0887/0888/0889/0890/0891/0892/0893/0894/0895/0896/0897/0898/0899/0900/0901/0902/0903/0904/0905/0906/0907/0908/0909/0910/0911/0912/0913/0914/0915/0916/0917/0918/0919/0920/0921/0922/0923/0924/0925/0926/0927/0928/0929/0930/0931/0932/0933/0934/0935/0936/0937/0938/0939/0940/0941/0942/0943/0944/0945/0946/0947/0948/0949/0950/0951/0952/0953/0954/0955/0956/0957/0958/0959/0960/0961/0962/0963/0964/0965/0966/0967/0968/0969/0970/0971/0972/0973/0974/0975/0976/0977/0978/0979/0980/0981/0982/0983/0984/0985/0986/0987/0988/0989/0990/0991/0992/0993/0994/0995/0996/0997/0998/0999/1000



Source: CRIM

Author: TG

Date: 2/20/2024

#### Legend

-  Tier 2 Site
-  Area of Potential Effect
-  Parcelario







Subrecipient: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Case ID: PR-RGRW-03935

City: Bayamon

### Project (Parcel) Location – Soils Map



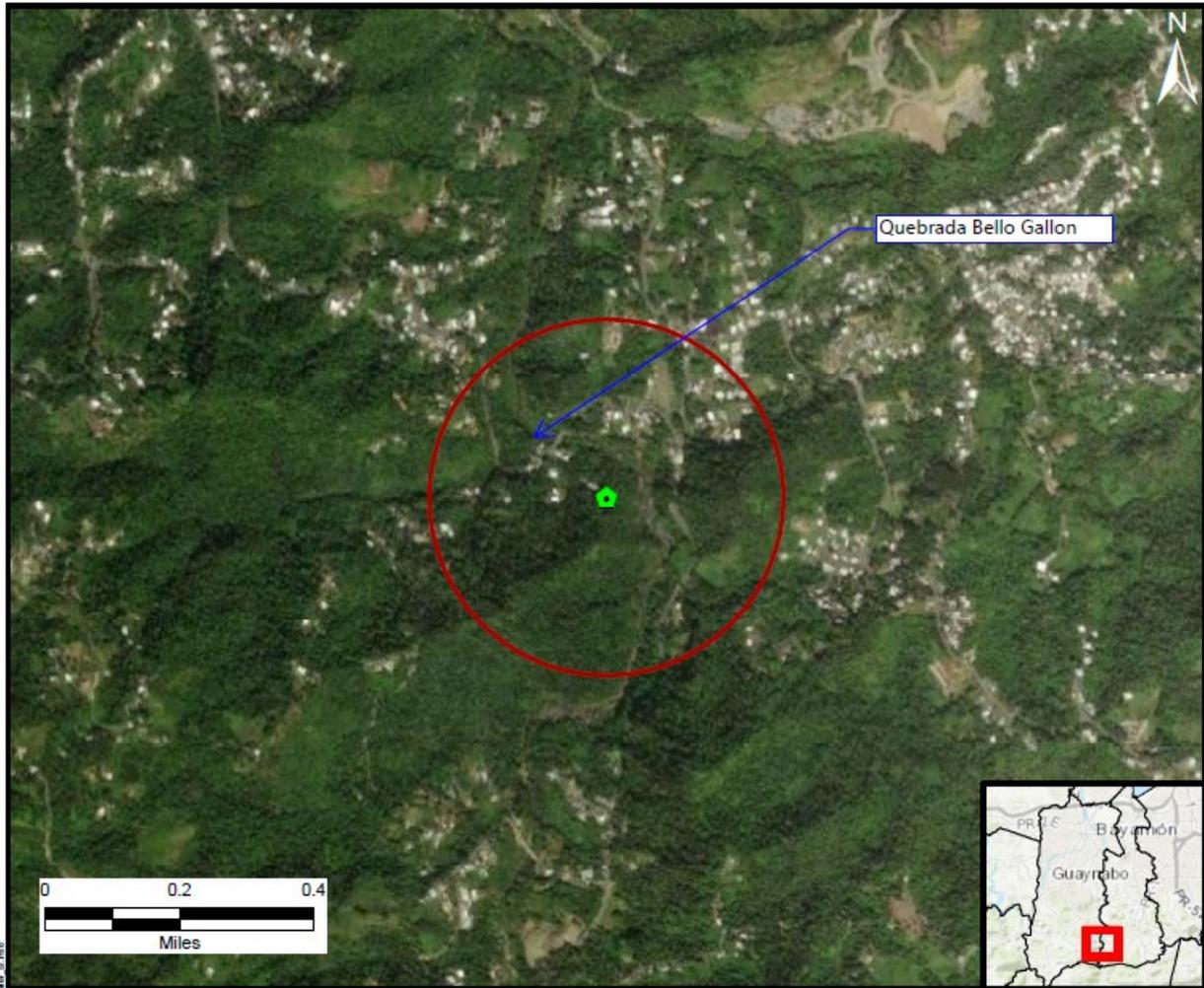
 <p><b>TETRA TECH</b></p> <p>Source:USDA</p> <p>Author: TG      Date: 11/27/2023</p>	<p><b>Legend</b></p> <ul style="list-style-type: none"><li> Tier 2 Site</li><li> Parcelario</li><li><b>Soil Type</b></li><li> HtF; Humble clay, 40 to 60 percent slopes</li><li> MxF; Muzans clay, 40 to 60 percent slopes</li></ul>	
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Subrecipient: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Case ID: PR-RGRW-03935

City: Bayamon

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



Source: National Park Service

Author: TG

Date: 1/26/2024

Legend

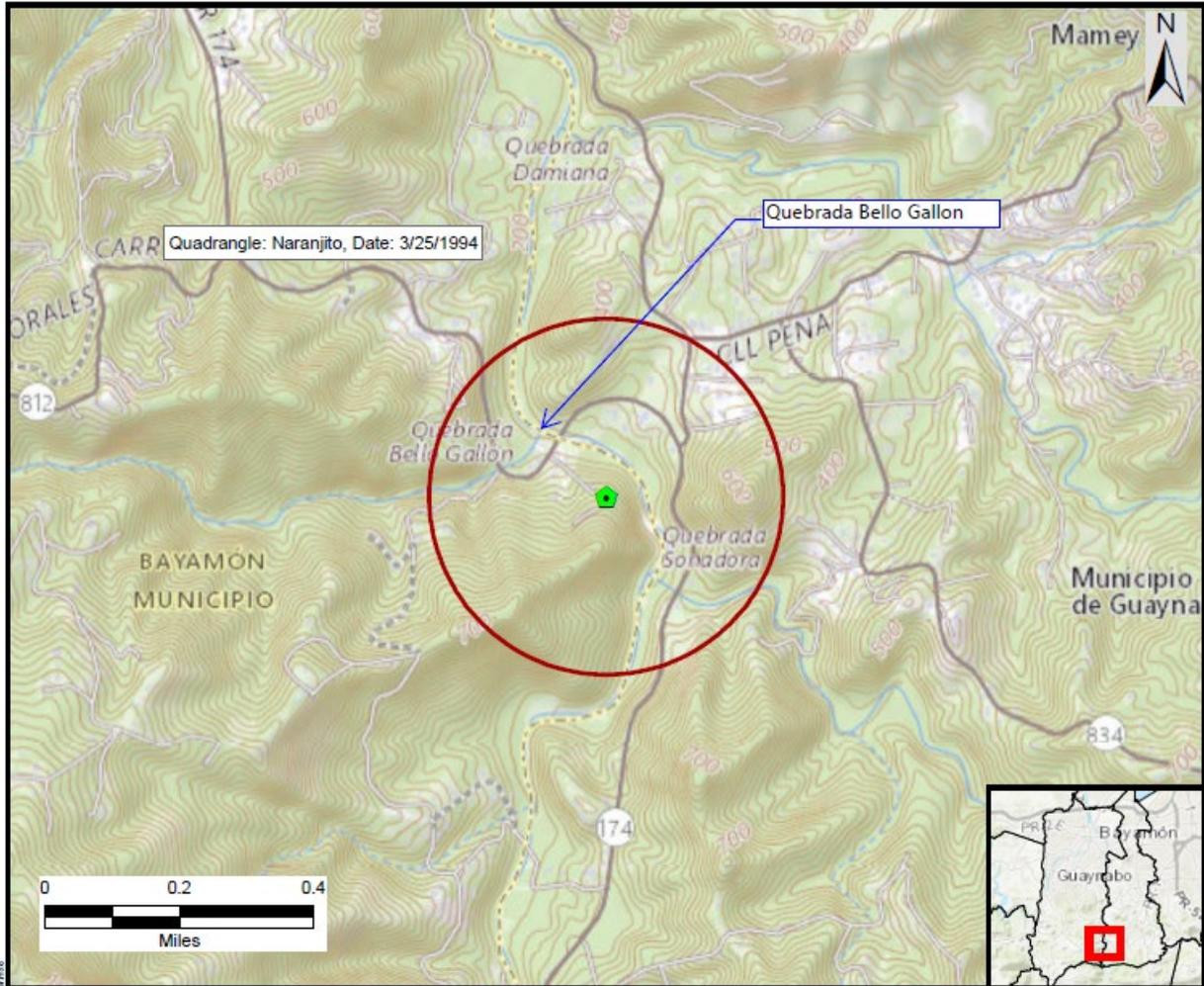
-  Tier 2 Site
-  Quarter Mile Buffer
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon

Subrecipient: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Case ID: PR-RGRW-03935

City: Bayamon

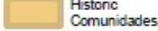
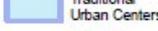
### Project (Parcel) Location with Previously Recorded Cultural Resources USGS Topographic Map



Source: National Park Service

Author: TG

Date: 7/21/2023

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

Subrecipient: Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

Case ID: PR-RGRW-03935

City: Bayamon

### Photograph Key



**Subrecipient:** Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

**Case ID:** PR-RGRW-03935

**City:** Bayamon



**Photo #:** 1

**Description (include direction):** Overview of the area near the Scope of Works (present as a reference due to vegetation overgrowth in the Scopes of Works Areas), view to the northwest.

**Date:** 1/11/2024



**Photo #:** 2

**Description (include direction):** Overview of the area near the Scope of Works (present as a reference due to vegetation overgrowth in the Scopes of Works Areas), view to the southwest.

**Date:** 1/11/2024

**Subrecipient:** Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

**Case ID:** PR-RGRW-03935

**City:** Bayamon



**Photo #:** 3

**Description (include direction):** Scope of work 1: Installation of an irrigation system and shade structure, view to the southwest.

**Date:** 1/11/2024



**Photo #:** 4

**Description (include direction):** Scope of work 1: Installation of an irrigation system and shade structure, view to the northeast.

**Date:** 1/11/2024

**Subrecipient:** Jesus A. Anglero Figueroa DBA Aserradero Buena Fibra

**Case ID:** PR-RGRW-03935

**City:** Bayamon



**Photo #:** 5

**Date:** 1/11/2024

**Description (include direction):** Scope of work 2 and 3: Installation of a solar panel system and storage containers, view to the southeast.



**Photo #:** 6

**Date:** 1/11/2024

**Description (include direction):** Scope of work 2 and 3: Installation of a solar panel system and storage containers, view to the northwest.



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