

# **Environmental Assessment**

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

### **24 CFR Part 58**

#### **Project Information**

**Project ID:** PR-RGRW-02203

**Project Name:** PUERTO FLORA GROWERS, INC

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

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

**State/Local Identifier:** Aibonito, PR

**Preparer:** Shelby McDowell

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

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

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

#### **Project Location:**

The property is a 4.26-acre site located at Carr 717 Km 9.8, Bo Pasto in the Municipality of Aibonito, Puerto Rico (Parcel ID# 322-017-268-97-000). The coordinates of the project site are 18.116695, -66.272880.

This land has been used for agricultural purposes the past 20 years for the nursery of ornamental plants, currently with 4 greenhouses in use. The field is graded.

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

The Scope of Work (SOW) for this project includes the purchase and installation of a 4,800 square foot (ft<sup>2</sup>) greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed greenhouse is a 150-foot (ft) x 32 ft metal structure with plastic and Saran plastic cover. The proposal includes the 8 NFT banks metal frame tables, 2,800 ft<sup>2</sup> each, and the irrigation piping system. The proposed location of the greenhouse is currently graded, with ground cover and in use for the nursery and storage of sun ornamental plants.

No new connections to water and power local utilities (PRASA and LUMA/PREPA) are needed. Facilities are currently connected to local utilities. The proposed area for the location of the greenhouse has local water connections in place. Additionally, the facilities have a reserve water tank of about 35,000 gallons. All water connections are aboveground. Electrical connection to the new greenhouse will be achieved via an underground electrical conduit from an existing electrical connection at an approximate distance of 100 ft. Electrical conduit trench will have an approximate depth of 3 ft. 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 and it is contained within the delimited Area of Potential Effect (APE) This APE has been extended northwest to the public right of way to allow for utility connections and is constrained to the northeast by site topography and to the southwest by an existing greenhouse. The visual APE is the viewshed of the proposed project. The APE for the proposed project is approximately 0.79 acres.

The project site will not require any clearing, grading, vegetation and/or underbrush removal, cutting of some tree branches and/or shrubs, or trees removal.

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

**Statement of Purpose and Need for the Proposal** [40 CFR 1508.9(b)]:

The Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) will increase agricultural capacity while promoting and increasing food security island wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities. The purpose of this project is to increase the productivity of the farm. This agricultural project associated with the construction of a new greenhouses is keeping with the overall objectives of the Economic Development Program.

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

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

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

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

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

**Funding Information**

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

**Estimated Total HUD Funded Amount:** \$90,005.00

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$91,600.00

**Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities**

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

<b>Compliance Factors:</b> Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The nearest civil airport, Mercedita International Airport, is approximately 105,358 feet from the proposed site. The nearest military airport, “Aeropuerto Internacional Luis Muñoz Marín”, is approximately 146,449 feet from the proposed

		site. The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The project is in compliance with Airport Hazards requirements. Refer to Figure 2 in <b>Appendix B.</b>
<p><b>Coastal Barrier Resources</b></p> <p>Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>Puerto Rico has various Coastal Barrier Resources Systems (CBRS). The project is in southern central Puerto Rico. The distance to the nearest CBRS unit is 53,284 feet. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. Refer to Figure 3 in <b>Appendix B.</b></p>
<p><b>Flood Insurance</b></p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The Project site is located in Zone X, area of minimal flood hazard, as per Floodplain Insurance Map 72000C1710H, effective date April 19, 2005. This project is in compliance with Floodplain Insurance requirements. (See Figures 4 and 5 in <b>Appendix B.</b>)</p>

<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</b>		
<p><b>Clean Air</b></p> <p>Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a county or air quality management district that is non-attainment status for any criteria pollutants. The Municipio of Aibonito is not listed in the EPA Green Book "Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants". The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. Project would have no impact on air quality. 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 49,739 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 December 19, 2023, no debris or rubbish or visible signs vegetative stress, contamination, or toxic substances were identified at the project site. The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants.</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>Native Chemicals, 1,260 feet northeast of the project site, is a SDWA and a CWA listed site. As an ICIS-NPDES (CWA) site, effective until October 31, 2024, no violations or deficiencies have been reported. As a SDWA site it is considered active with violations to the Disinfectant and Disinfection Byproducts and the Lead and Cooper rules over the past three years with each violation listed as Resolved. State compliance has been achieved, therefore no impacts on project site are expected related to mentioned violations. With these conditions and the distance, there would not be any impacts to the project site. 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 type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed location of project is an area that has been used for agricultural purposes.</p> <p>According to EPA NEPAssist Enviromapper, the nearest critical or proposed critical habitat is 31,105 feet to the southeast of the project location. The Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website lists the</p>

		<p>Puerto Rican Boa as being able to be found in the area, but there are no critical habitats for them at this location.</p> <p>A site-specific review of endangered species was conducted in accordance with the Fish and Wildlife Act (47 Stat. 401, as amended: 16 U.S.C. 661 et seq.) (See <b>Appendix D</b>).</p> <p>The proposed project will have No Effect on listed species or habitats. Based on the nature of the project, scope of work, information available, and a careful analysis of the Project Site, and IPaC species list, it was determined that there would be No Effect for any of the listed species.</p> <p>If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFWS Puerto Rican Boa Conservation Measures guidelines.</p> <p>Refer to Figures 10 and 11 in <b>Appendix B</b> and the Endangered Species Package in <b>Appendix D</b>. This project is in compliance with the Endangered Species Act.</p>
<p><b>Explosive and Flammable Hazards</b></p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project does not include development, construction, or rehabilitation that will increase residential density.</p> <p>The project is in compliance with Explosive and Flammable Hazard requirements.</p> <p>Refer to site visit report in <b>Appendix A</b>.</p>
<p><b>Farmlands Protection</b></p> <p>Farmland Protection Policy Act of 1981, particularly 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 purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The project site is designated as farmland of statewide importance. 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</p>

		<p>Act (FFPA) as the project is limited to construction of on-farm structures needed for farm operations. No further review is required.</p> <p>This project is in compliance with the Farmland Protection Policy Act. Refer to Figure 12 in <b>Appendix B.</b></p>
<p><b>Floodplain Management</b></p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a 100-year floodplain per Floodplain Insurance Map 72000C1710H, effective date April 19, 2005. The project site is not located in an Advisory Base Flood Elevation (ABFE) special flood hazard area.</p> <p>PFIRMs in Puerto Rico were only developed for certain sections of the municipalities of Carolina, Canovanas, Loiza, San Juan and Trujillo Alto. The proposed project is located in the municipality of Aibonito; 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. See Figures 4, 5, and 6 in <b>Appendix B.</b></p>
<p><b>Historic Preservation</b></p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The site was evaluated on January 16, by an SOI Qualified Architect/Architectural Historian. Additionally, the site was evaluated on January 18, 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 March 25, 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 Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. 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</p>

		project is in compliance with Noise Abatement and Control.
<p><b>Sole Source Aquifers</b></p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>There are no EPA sole source aquifers in Puerto Rico. The nearest Sole Source Aquifer is 5,437,756 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</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants.</p> <p>The south coast is 53,094 feet southwest of the property. The closest fresh-water bodies include an unnamed riverine system within the property but approximately 107 feet from the project area and Quebrada Algarrobo, 2,038 feet southwest of the property.</p> <p>The unnamed stream is identified as a R5UBH (riverine) wetland in the NWI map. This stream is located at the western border of property.</p> <p>Standard construction BMPs would be used to control erosion and runoff during construction. An undisturbed natural buffer equal or greater than 50 feet, supplemented by standard construction BMPs, and erosion and sediment controls will be kept at all times during ground disturbance activities. APE will be clearly delimited prior to the initiation of the construction activities. With these mitigations the construction of the greenhouse would not impact the wetlands and includes no activities that would require further evaluation under this section. The proposed greenhouse is located approximately 107 feet away from the identified wetland.</p> <p>The project is in compliance with Executive Order 11990. Refer to Figure 14 in <b>Appendix B</b>.</p>
<p><b>Wild and Scenic Rivers</b></p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>This project is not within proximity of a National Wild and Scenic River (WSR). The distance to the</p>



Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)		nearest WSR is approximately 176,318 feet. The project is in compliance with the Wild and Scenic Rivers Act. Refer to Figure 15 in <b>Appendix B</b> .
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<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.

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

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>LAND DEVELOPMENT</b>		
Conformance with Plans /	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for

Compatible Land Use and Zoning / Scale and Urban Design		the production of ornamentals plants. The proposed project is located on a private farm. The project site is zoned as "Agricola-General (A-G)". The proposed action is compliant with the current agricultural land use of the Project area and will not contribute to urban sprawl.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	<p>The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed project is located in flat terrain, and was previously and is currently used for agricultural purposes.</p> <p>Soils in the proposed project area are classified as Aibonito clay, with 12 to 20 percent slopes (Abd), surrounded by urban developments with secondary young vegetation, 615 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 0.79 acres.</p> <p>The project site has been cleared, graded, and maintained and is currently in use for growing ornamental plants. The project site will not require any clearing, grading, vegetation and/or underbrush removal, cutting of tree branches and/or shrubs, nor trees removal.</p> <p>The project site area is rated "low" for landslide susceptibility (see Figure 16 in <b>Appendix B</b>).</p> <p>There will be little to no additional runoff associated with the project.</p>
Hazards and Nuisances including Site Safety and Noise	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. During implementation of the project, construction activities may result in temporary elevation of ambient noise levels in immediate areas around active construction areas. There is no access to the project area by the public. Only authorized personnel will be allowed within the project area. Noise impacts will be mitigated by restricting construction activities to daylight hours.
Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>SOCIOECONOMIC</b>		

Employment and Income Patterns	2	<p>The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. Temporary employment of workers related to construction activities would result, but no new permanent jobs would be created as a result of this project. These workers are expected to come from the local region. However, since the project will include an economic component, it may aid in restoring some employment opportunities and increase income.</p> <p>The proposed project would not negatively impact employment or income patterns.</p>
Demographic Character Changes, Displacement	2	<p>The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed project would not result in demographic character changes or displacement. Given the nature of the project area, no relocations or demolition of residential structures or businesses would occur as part of this project.</p>
Environmental Justice	2	<p>In the area (one mile radius) in which project will occur.</p> <p>100% are people of color compared to PR average of 96%</p> <p>72% are low income compared to PR average of 70%</p> <p>4% are unemployed compared to PR average of 15%</p> <p>The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. This project will result in restoration and increase in income and potential employment opportunities in the local area. The impacts would be beneficial.</p> <p>See EJSscreen Report in <b>Appendix C</b></p>

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>COMMUNITY FACILITIES AND SERVICES</b>		
Educational and Cultural Facilities	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. 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 purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The agricultural activity of the project property will improve. Other commercial facilities would not be impacted by the proposed project.
Health Care and Social Services	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. Health care and social services facilities would not be impacted by the proposed project. The project would not increase demand for health care and social services facilities.
Solid Waste Disposal / Recycling	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. Left over construction materials that could be reused on the farm (e.g., piping, structural materials, greenhouse covering fabrics) would be stored for later use. The remaining construction solid waste materials would be collected for transport to the local landfill. The amount of impact of solid waste resulting from the construction of the proposed project would be minor. During operations, the products and by-products would be agricultural, which waste would be biodegradable. Other waste components related to the operation of the proposed project includes recyclable materials such as plastics and cardboard. Recyclables will be set aside and dispose according to the local recycling management plan. The remaining municipal solid waste would be collected for the transport to the local landfill.
Wastewater / Sanitary Sewers	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed project would not include any bathrooms, wastewater, or sewage facilities. Current farm conditions would remain unchanged.
Water Supply	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants.  Applicant has access to a water supply from the local utility (PRASA) with auxiliary water storage tank. Proposed location for the greenhouse has water connection available in place. The proposed project will slightly increase the current water demand

		of operations. The proposed project will have minor impact on water usage.
Public Safety – Police, Fire and Emergency Medical	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed project would not create any issues to Public Safety.
Parks, Open Space and Recreation	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed project would not create or destroy any new parks, open space, or recreational activities. It also would not increase use of those facilities.
Transportation and Accessibility	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed project would not involve the creation of new roads nor any increase in long-term traffic on existing roads. There would be some minor use of the existing road during construction. All residents and businesses would retain access to their properties during and after the project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>NATURAL FEATURES</b>		
Unique Natural Features, Water Resources	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed project will be situated on land previously used for agricultural purposes  The APE of the SOW is at an estimated distance of 100 ft to the northeast of the identified unnamed creek, inside of the parcel. Natural vegetation buffer zone of equal or greater than 15 meters (50 ft) will be maintained, at all times. No cortex removal, ground disturbances, earth movement, or constructions activities are contemplated nearby a unique natural features or water resources.
Vegetation, Wildlife	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed project will

		<p>occur on land previously used for agricultural purposes and will continue in that capacity.</p> <p>The proposed project will have no impact on vegetation and wildlife.</p>
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Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>CLIMATE AND ENERGY</b>		
Climate Change Impacts	2	The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. 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. This is a small agricultural project with no measurable impact on climate change factors.
Energy Efficiency/Energy Consumption	2	<p>The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. Facilities are currently connected to the local power utility (LUMA/PREPA)</p> <p>Electrical connection to the new greenhouse will be achieved via an underground electrical conduit from an existing electrical connection at an approximate distance of 100 ft. Electrical conduit trench will have an approximate depth of 3 ft.</p>

**Additional Studies Performed:** None required.

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

Site inspection was conducted on December 19, 2023 by Carlos Medina.

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

Puerto Rico State Historic Preservation Office

FAA, National Plan for Integrated Airport Systems:

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

John H. Chafee Coastal Barrier Resources System, Puerto Rico [map](#).  
[www.fws.gov/CBRA/Maps/Locator/PR.pdf](http://www.fws.gov/CBRA/Maps/Locator/PR.pdf)

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

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

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

US Environmental Protection Agency, National Ambient Air Quality Standards, Nonattainment Areas for Criteria Pollutants (Green Book): [www3.epa.gov/airquality/greenbook/anayo\\_pr.html](http://www3.epa.gov/airquality/greenbook/anayo_pr.html)

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

US Fish and Wildlife Service, Environmental Conservation Online System: <https://ecos.fws.gov/ecp/report/species-listings-by-state?stateAbbrev=PR&stateName=Puerto%20Rico&statusCategory=Listed>

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

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

Puerto Rico Coastal Zone Management Program Plan, September 2009.

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

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

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

None

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

The local community has been very proactive in the recovery process. Puerto Rico Department of Agriculture has worked closely with the agricultural community. The project will include a FONSI / NOI-RROF in compliance with NEPA regulations for HUD.

#### **Cumulative Impact Analysis [24 CFR 58.32]:**

While not included in the activities proposed to be funded by HUD, the applicant has stated their intention to provide electricity to the greenhouse via an underground electrical conduit from an existing electrical connection at an approximate distance of 100 ft. Electrical conduit trench will have an approximate depth of 3 ft. Water is available at greenhouse location and no new trenches or piping connections are needed.

In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the proposed project. The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The project would allow to increase production and more space for a more efficient processing and growing of the agricultural products. The possible cumulative impacts associated to the proposed project are related to the increase in energy and water demand needed to operate the greenhouse. However, the increase in power and water demand is minor and not considered a significant impact.

**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. Alternative locations off and on property may represent an impact to undisturbed and/or uneven ground, sloped terrain or within forested areas, which could require clearing and grading activities. Any alternative that would involve an off-property location might require the purchase of land, the need for storage area, the movement of products, equipment, infrastructure, water and power utility connections, among others, representing an additional cost. An off-property alternative will not enhance and expand agricultural production or allow for the economic development for this applicant. Given the above-mentioned possible impacts of an alternative location, an off-property alternative was not selected.

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

The project consists of the purchase and installation of a 4,800 sq ft greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. Under the No Action Alternative, the applicant would not receive federal funding for the proposed action, which would inhibit the economic growth opportunity that the applicant would not otherwise have under the PRDOH Re-Grow Puerto Rico program. As a result, these owners may not be able to experience the growth needed to recover and expand their agriculture activities. A provision of the grant allows for economic development for businesses. The No-Action alternative would not allow for the economic development for this applicant.

**Summary of Findings and Conclusions:**

The proposed activity has been found to not have any adverse effects on the environment nor is there the requirement for further consultation with federal agencies associated with the topics evaluated above. There are no environmental review topics addressed above that result in the need for additional formal compliance steps with federal agencies or the requirement for mitigations other than those listed below. There may be additional approvals or permits from local agencies. For example, permits may be required from PRDNER for any water or other utility connections and the Office of



Permit Management (OGPe) is responsible for granting permits, licenses, certifications, consultations, construction, and any other procedure necessary for business development and land use in Puerto Rico. The appropriate and necessary permits should be obtained by the applicant and/or contractor, from the appropriate Department or concerned agency, prior to construction activities.

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

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

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

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

Law, Authority, or Factor	Mitigation Measure
Wetlands Protection	Standard construction BMPs would be used to control erosion and runoff during construction. An undisturbed natural buffer equal or greater than 50 feet, supplemented by standard construction BMPs, and erosion and sediment controls will be kept at all times during ground disturbance activities. APE will be clearly delimited prior to the initiation of the construction activities. With these mitigations the construction of the greenhouse would not impact the wetlands and includes no activities that would require further evaluation under this section. The proposed greenhouse is located approximately 150 feet away from the identified wetland.
Endangered 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.
<b>Permits or Agency Approvals Required</b>	
Permit or Approval	Permit Conditions

Ground disturbance	Projects whose earthworks are more than 40 m <sup>3</sup> must submit an Incidental Permit. The permit must be submitted via the Single Business Portal to the OGPe to be evaluated and physicalized by the Water Quality Division of the PRDNER. Any necessary permits should be obtained by the applicant and/or contractor prior to construction activities.
Clearing activities	Activities involving the excavation or movement of any component of the terrestrial cortex material that exceeds five hundred (500) cubic meters and up to a maximum of five thousand (5,000) cubic meters require the submittal and approval of a Simple Terrestrial Cortex Removal Permit. Applications are submitted via the Single Business Portal of the OGPe to be evaluated and physicalized by terrestrial Cortex Extraction Permit Division of the PRDNER.
Utility Connections- LUMA/PREPA	The project does not involve new utility connections. Facilities have local utility services connections (LUMA/PREPA). However, the applicant is responsible for any permits or actions to ensure legalization of utility connections (if needed) prior to construction activities.

**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: Shelby McDowell Date: 4/18/2024

Name/Title/Organization: Shelby McDowell, Environmental Scientist, Tetra Tech Inc.

Certifying Officer Signature:  Date: 6/12/2024

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

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

# **APPENDIX A**

## **Site Inspection and Photos**

## Environmental Field Observation - Puerto Rico Department of Housing

APPLICANT INFORMATION			
Application ID	PR-RGRW-02203		
Applicant Name	PUERTO FLORA GROWERS, INC		
Property Address	CARR 717 KM 9.8 BO PASTO		
Parcel ID	322-017-268-97		
Coordinates	18.116695, -66.272880		
Inspector Name	Carlos O. Medina		
Inspection Date	12/19/2023		
Building Type	vacant		
Number of Units	0		
Number of Stories	0		
Year Built; Data Source	----; Historian		
ENVIRONMENTAL OBSERVATIONS (attach photos and notes, as necessary, for any YES answers)			
OBSERVATION ITEMS	YES	NO	COMMENTS
A. Is the <b>structure in use</b> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
B. Is <b>structure a greenhouse</b> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Greenhouse in use
C. Is <b>Electricity connected</b> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Electrical connection exist
D. Is <b>water connected</b> ? (Utilities or Well)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water connection exist for the proposed greenhouse location
1. Are there signs of <b>poor housekeeping</b> on site? (mounds of rubble, garbage, storm debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Are there any <b>55-gallon drums</b> visible on site? If yes, are they leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Are there any (or signs of any) <b>underground storage tanks</b> on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Are there signs of <b>ASTs</b> on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Approximately 35,000 gallons Water reserve
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Storage in use
8. Are there any <b>groundwater monitoring wells</b> on the site or adjacent parcel?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water well system located in the rear of the farm, provides water to the farm
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</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

peeling paint, or hazardous materials present in or on the structure?			
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Stream located in the rear of the property
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Located in the rear of the farm
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:

Case: PR-RGRW-02203  
Project Name: Puerto Rico Flora Growers, Inc.  
Coordinates: 18.116695, -66.272880

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

Scope of Work: The proposed project includes the purchase of a cargo van and the installation of a new greenhouse.

Land current in use for: Production of ornamentals plants.

Past Land use was: Production of ornamentals plants 20 years ago.

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: installation of a greenhouse in the coordinates: 18.116695, -66.272880 for production of ornamentals plants. This greenhouse the measures will be 150' x 32' in metal and plastic with saran.

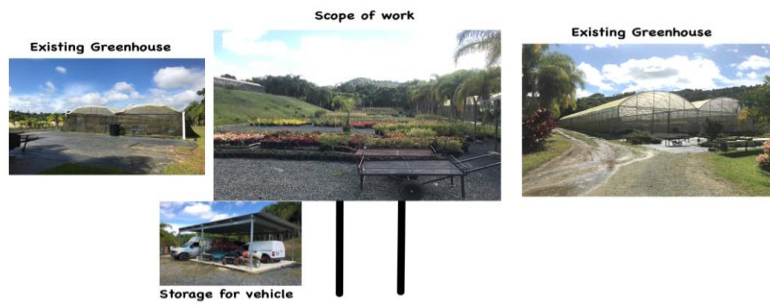
Any new water connection or power connection?

The proposed area for the greenhouse the water connection exist, will not require any new connection. Electrical power, an adjacent connection exist, an underground installation at 3' will be required to connected the new connection for this greenhouse with electrical conduits approximately 100' linear feet.

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

A cargo van will be storage in an existing warehouse area in the coordinates: 18.116934, -66.273046

## Site Sketch



**Front of Structure**

Photo Direction: South



**Facing Away From Front**

Photo Direction: North





**Side #1 of Structure**

Photo Direction: Northwest



**Facing Away From Side #1**

Photo Direction: Southeast



**Back of Structure**

Photo Direction: Southwest



**Facing Away From Back**

Photo Direction: Northeast



**Side #2 of Structure**

Photo Direction: Southeast



**Facing Away From Side #2**

Photo Direction: Northwest



**Streetscape #1**

Photo Direction: Northeast



**Streetscape #2**

Photo Direction: West



Address

Photo Direction: South



Outbuildings

Photo Description: Greenhouse in use

Photo Direction: South



Outbuildings

Photo Description: House

Photo Direction: West



Outbuildings

Photo Description: Farm store

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest





Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: South



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

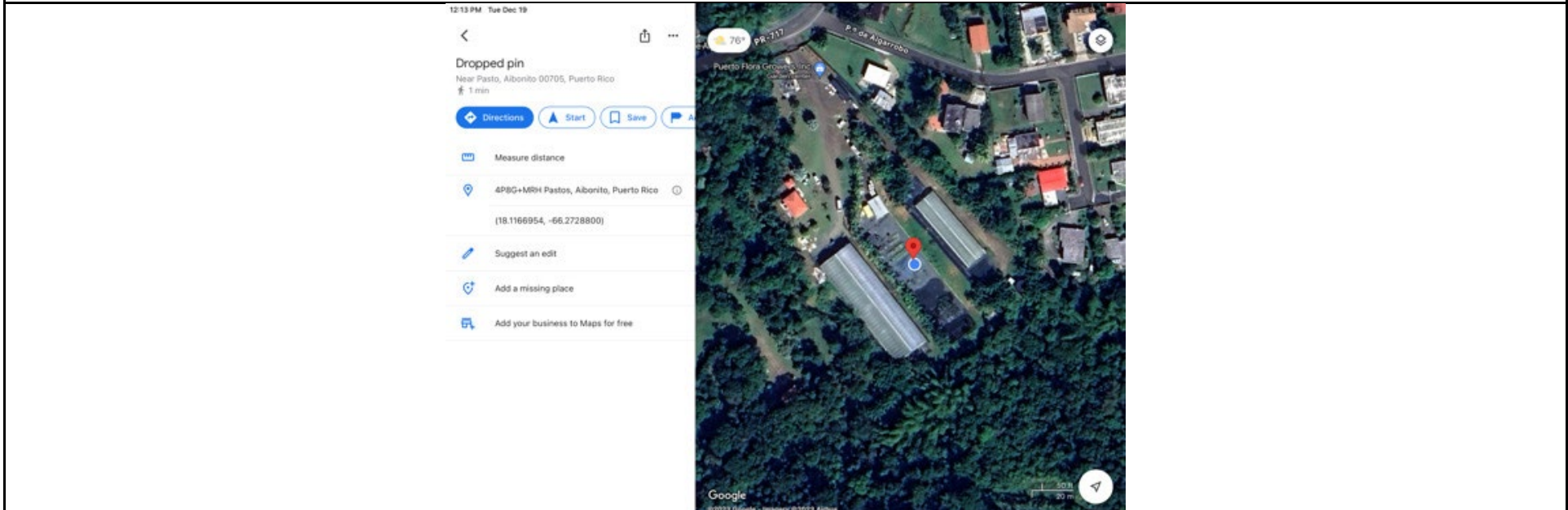
Photo Direction: South



Structural Details

Photo Description: Architectural details

Photo Direction: North



Greenhouse Photos

Photo Description: Greenhouse in use

Photo Direction: South



Greenhouse Photos

Photo Description: Greenhouse in use

Photo Direction: Northwest





Electricity Connected

Photo Description: Electrical connection exist

Photo Direction: Southeast



Water Connected

Photo Description: Water connection exist

Photo Direction: North



Water Connected

Photo Description: Water connections exist

Photo Direction: Northeast



Aboveground Storage Tanks

Photo Description: Water reserve

Photo Direction: Southeast



Warehouse Use

Photo Description: Storage in use

Photo Direction: East



Groundwater Monitoring Well

Photo Description: Water well system

Photo Direction: Southeast



Standing Water

Photo Description: Stream

Photo Direction: Southwest



Wetlands

Photo Description: Stream

Photo Direction: Southwest



**Scope Of Work**

Photo Description: Scope of work: Construction of a greenhouse

Photo Direction: Southeast



**Scope Of Work**

Photo Description: Scope of work: Construction of a greenhouse

Photo Direction: South





**Scope Of Work**

Photo Description: Scope of work: Construction of a greenhouse

Photo Direction: South



**Scope Of Work**

Photo Description: Scope of work: Construction of a greenhouse

Photo Direction: Northwest



**Scope Of Work**

Photo Description: Scope of work: Construction of a greenhouse

Photo Direction: North



**Scope Of Work**

Photo Description: Scope of work: Construction of a greenhouse

Photo Direction: North



**Scope Of Work**

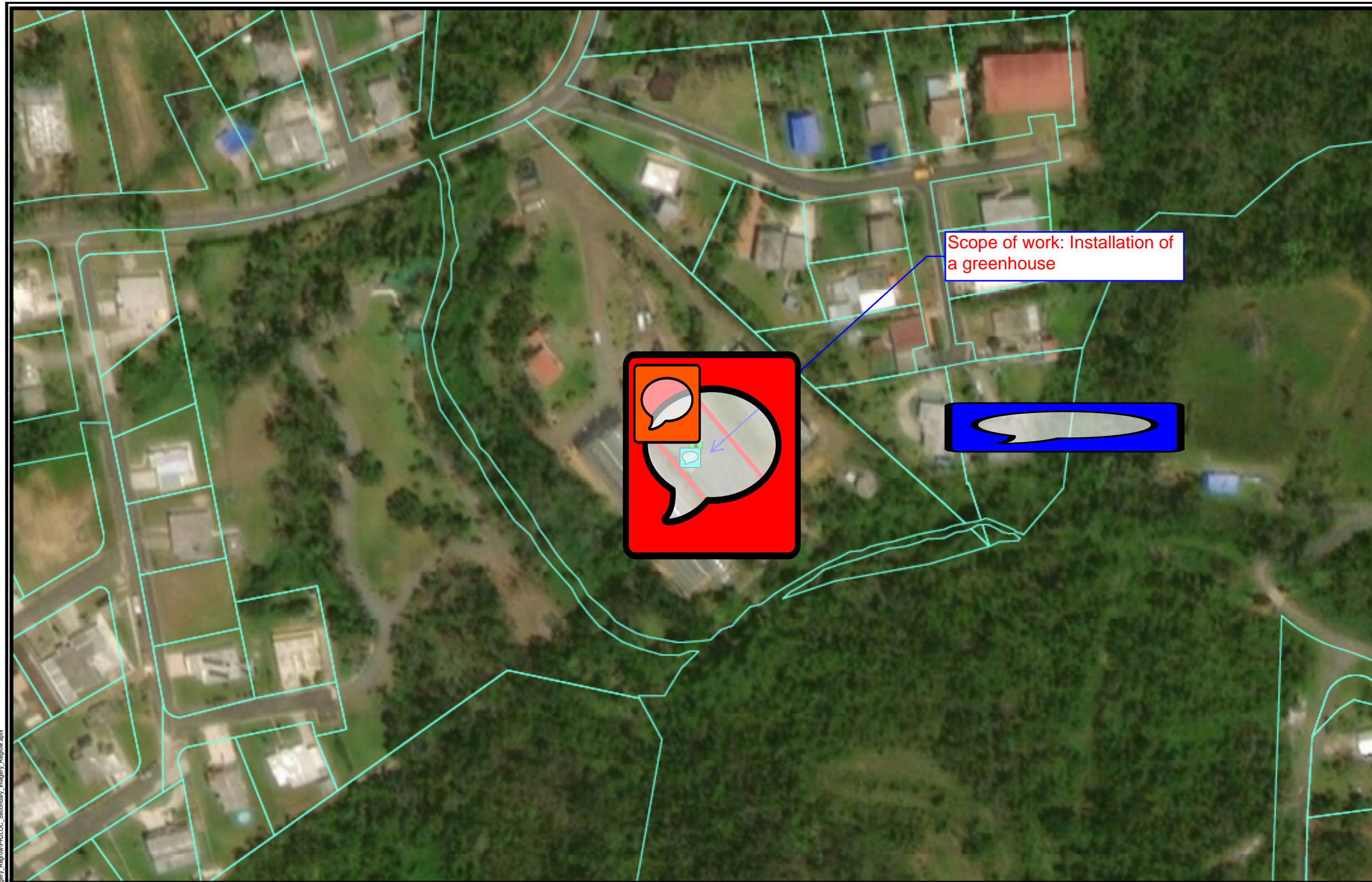
Photo Description: Storage for the vehicle to purchase






Photo Direction: North



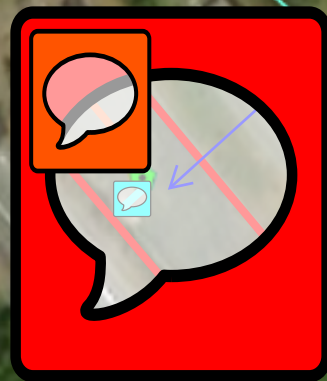
# APPENDIX B

## Maps



- Legend**
-  Project Parcel
  -  Parcels
  -  Area of Potential Effect
  -  Power connection
  -  Water connection

Scope of work: Installation of a greenhouse



**PUERTO RICO**



**Figure 1: PROJECT LOCATION**

**APPLICANT ID: PR-RGRW-02203**

**ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705**

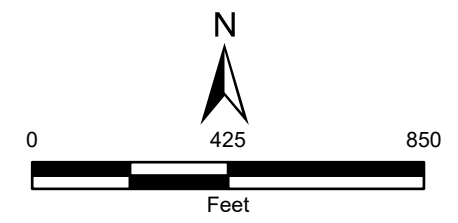
Name of Development: PUERTO FLORA GROWERS, INC

Parcel Coordinates: 18.116695 , -66.272880

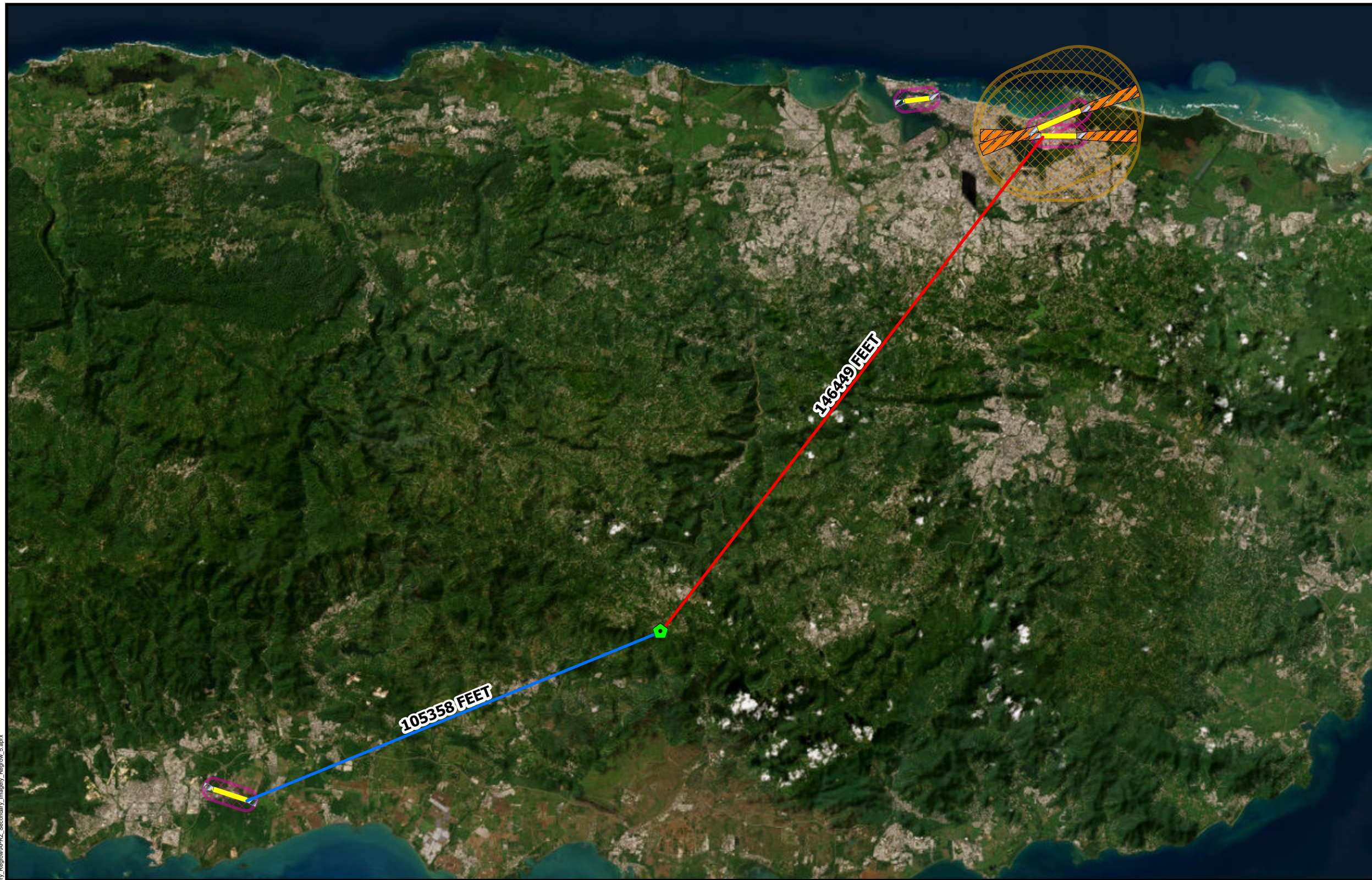


Source: CRIM  
<https://catastro.crimpr.net/cdprpc/>

Author: TG Date: 10/27/2023



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**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: 105,358**

**Distance to Nearest Civilian Airport  
in Feet: 105,358**

**Distance to Nearest Military Airport  
in Feet: 146,449**

**PUERTO RICO**



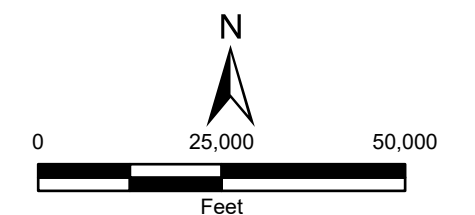
**Figure 2: AIRPORT ZONES  
APPLICANT ID: PR-RGRW-02203**

**ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705**  
**Name of Development: PUERTO FLORA GROWERS, INC**  
**Parcel Coordinates: 18.116695 , -66.272880**



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

Author: TG Date: 3/20/2024



File Path: Z:\data\USRT\Tier2\Regrow\APRZ\_Secondary\_Imagery\_Regrow\APRZ\_Secondary\_Imagery\_Regrow\_5.aprx



- Legend**
- Project Parcel
  - Coastal Barrier Resources System Boundary**
  - Unit**
  - PR-45P
  - PR-46
  - PR-47
  - PR-49P
  - PR-50
  - PR-51

Distance to Nearest Coastal Barrier Resources System:  
53284 Feet

**PUERTO RICO**



File Path: Z:\data\USFWS\Regrow\CBRS\_Secoundary\_Imagery\_Regrow\_1.aprx



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

Author: TG

Date: 10/17/2023

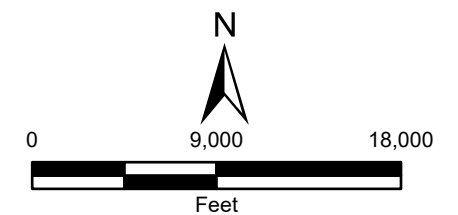
**Figure 3: COASTAL BARRIERS IMPROVEMENT ACT**

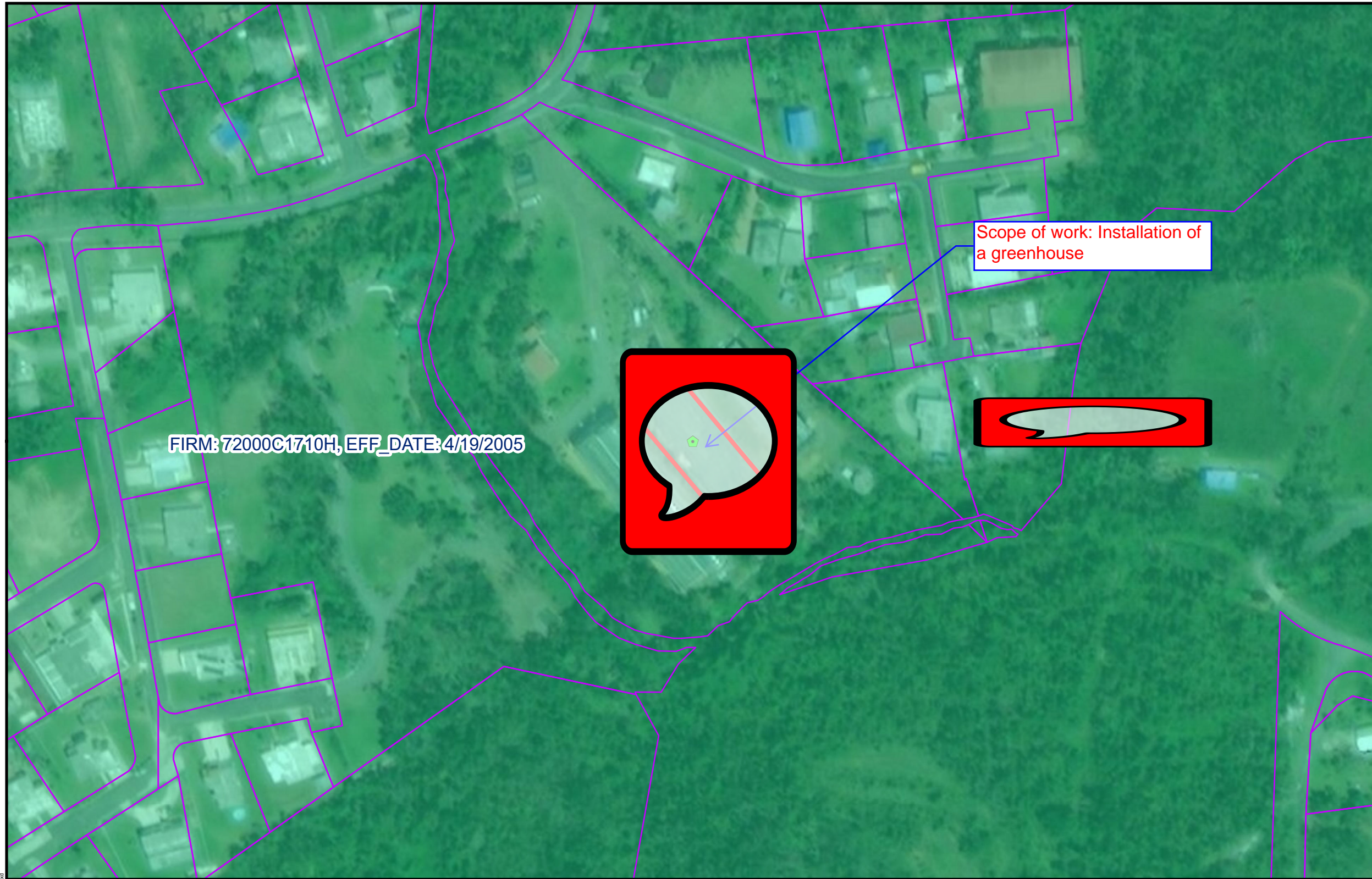
**APPLICANT ID: PR-RGRW-02203**

ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705

Name of Development: PUERTO FLORA GROWERS, INC

Parcel Coordinates: 18.116695 , -66.272880





FIRM: 72000C1710H, EFF\_DATE: 4/19/2005

Scope of work: Installation of a greenhouse

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

**PUERTO RICO**

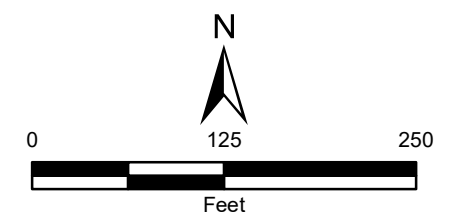


Source: FEMA  
<https://msc.fema.gov>

Author: TG Date: 3/22/2024

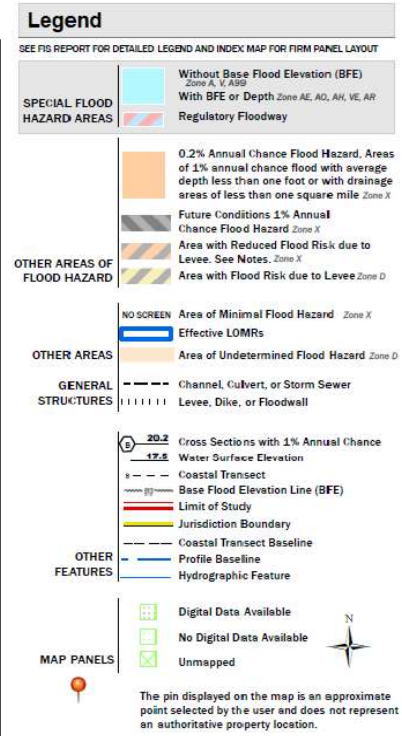
**Figure 4: FLOODPLAIN MANAGEMENT**  
**APPLICANT ID: PR-RGRW-02203**

ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705  
 Name of Development: PUERTO FLORA GROWERS, INC  
 Parcel Coordinates: 18.116695 , -66.272880

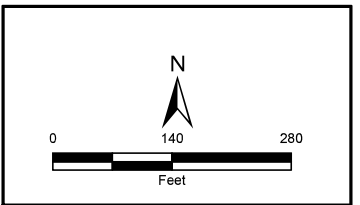


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**FIGURE 5: NATIONAL FLOOD HAZARD LAYER FIRMETTE**

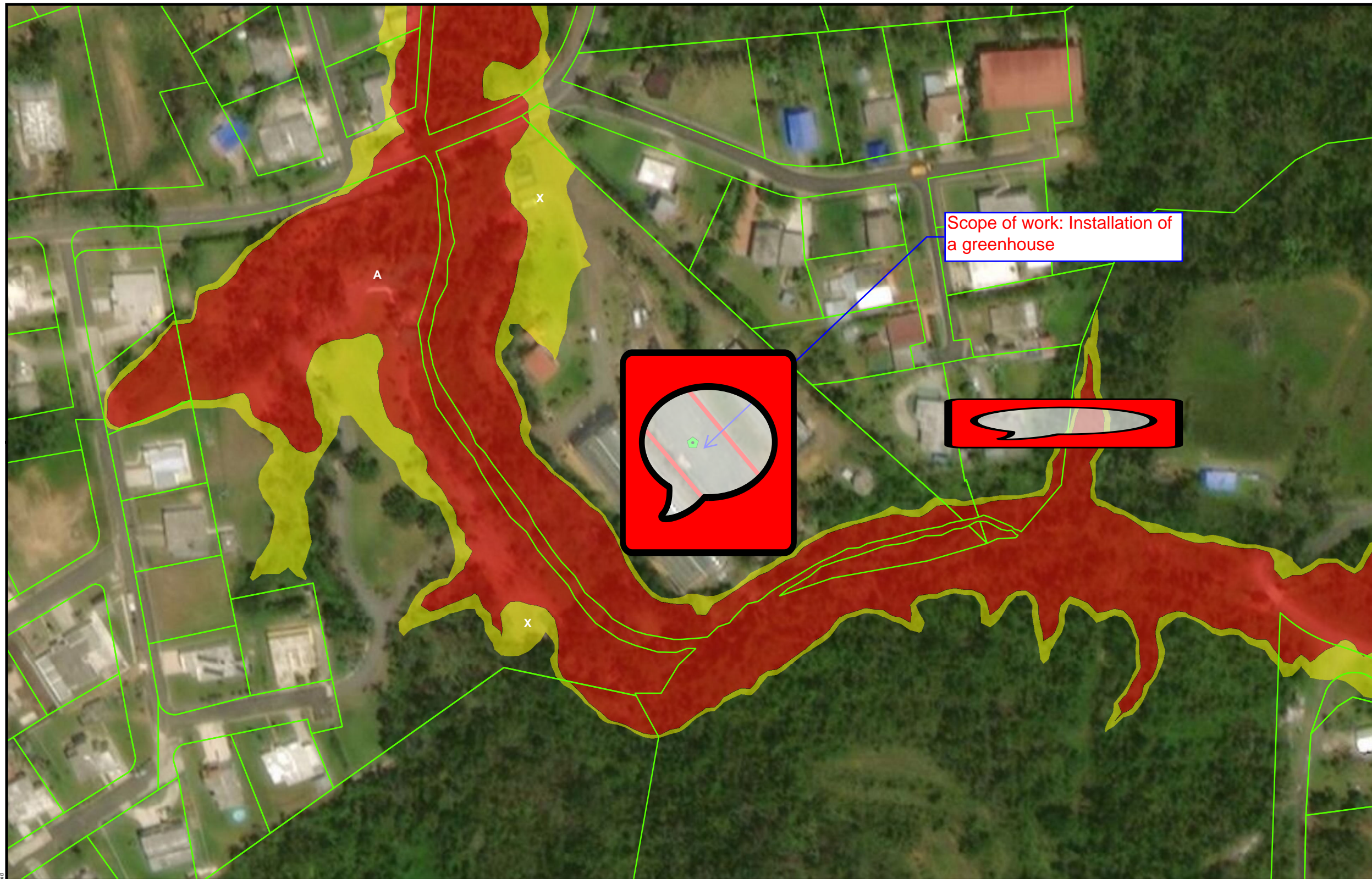


**Tt TETRA TECH**

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

Author: TG Date: 5/31/2023

File Path: \\ms01h1\K00P00\GIS\Share\GIS\MapServer\WFS\PR\FIS\Legend\_Registry\_Imagery.mxd



- Legend**
- Project Parcel
  - Parcels
  - ABFE Flood Zone**
  - A
  - AE
  - AO
  - VE
  - X
  - Area of Potential Effect

**PUERTO RICO**



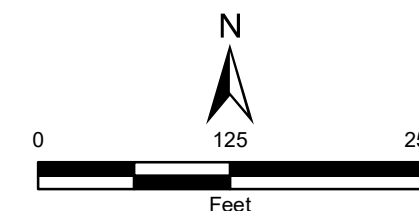
**Figure 6: ADVISORY BASE FLOOD ELEVATION  
APPLICANT ID: PR-RGRW-02203**

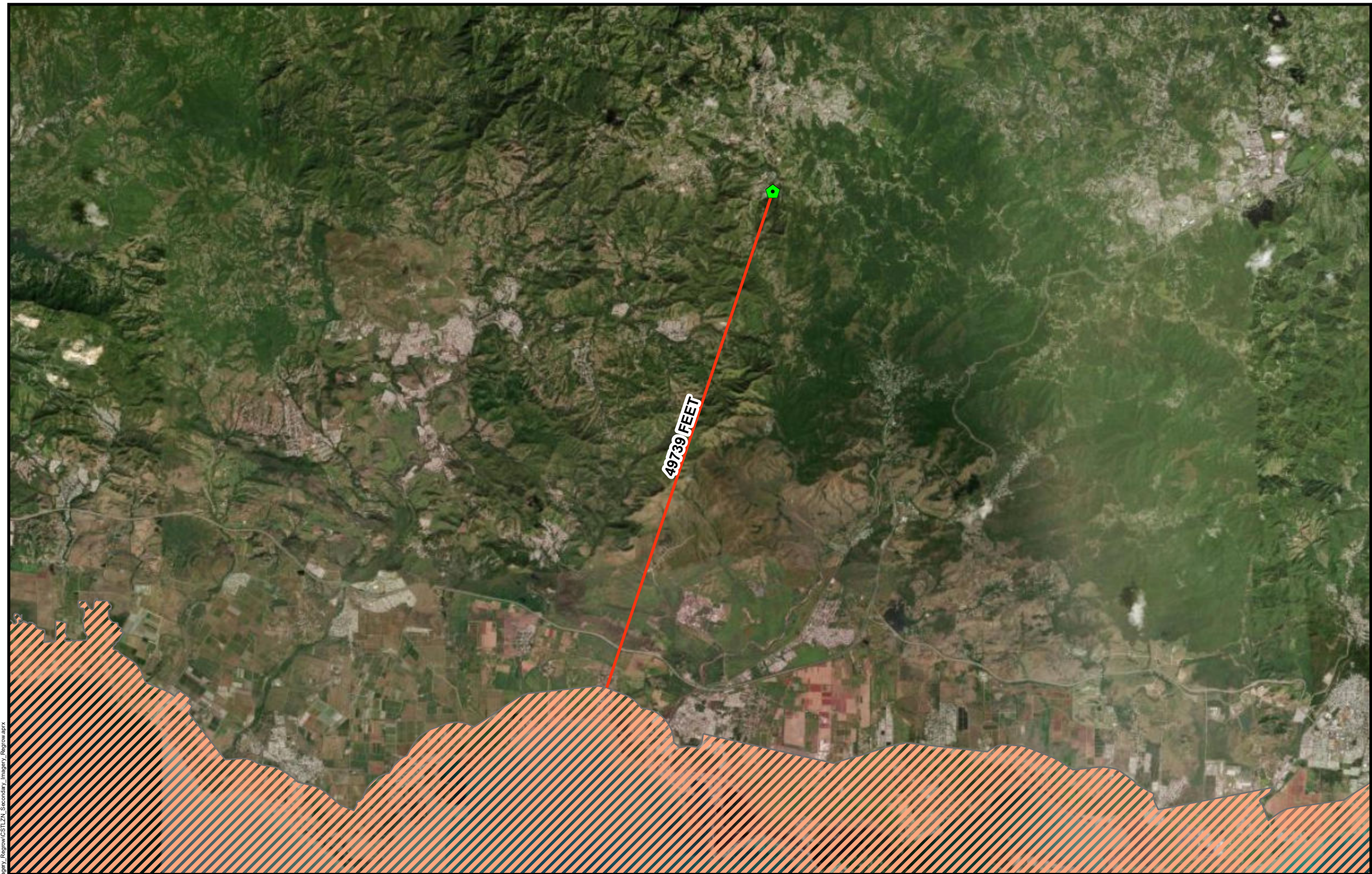
ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705  
 Name of Development: PUERTO FLORA GROWERS, INC  
 Parcel Coordinates: 18.116695 , -66.272880





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

Author: TG Date: 3/22/2024





- Legend**
-  Project Parcel
  -  Coastal Zone Management Boundary

Distance to Nearest Coastal Zone:  
49739 Feet

**PUERTO RICO**



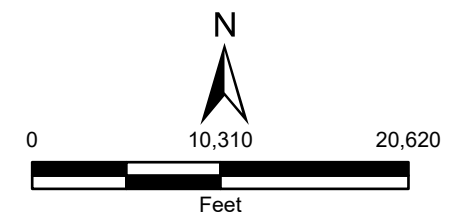
**Figure 7: COASTAL ZONE MANAGEMENT  
APPLICANT ID: PR-RGRW-02203**

ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705  
 Name of Development: PUERTO FLORA GROWERS, INC  
 Parcel Coordinates: 18.116695 , -66.272880

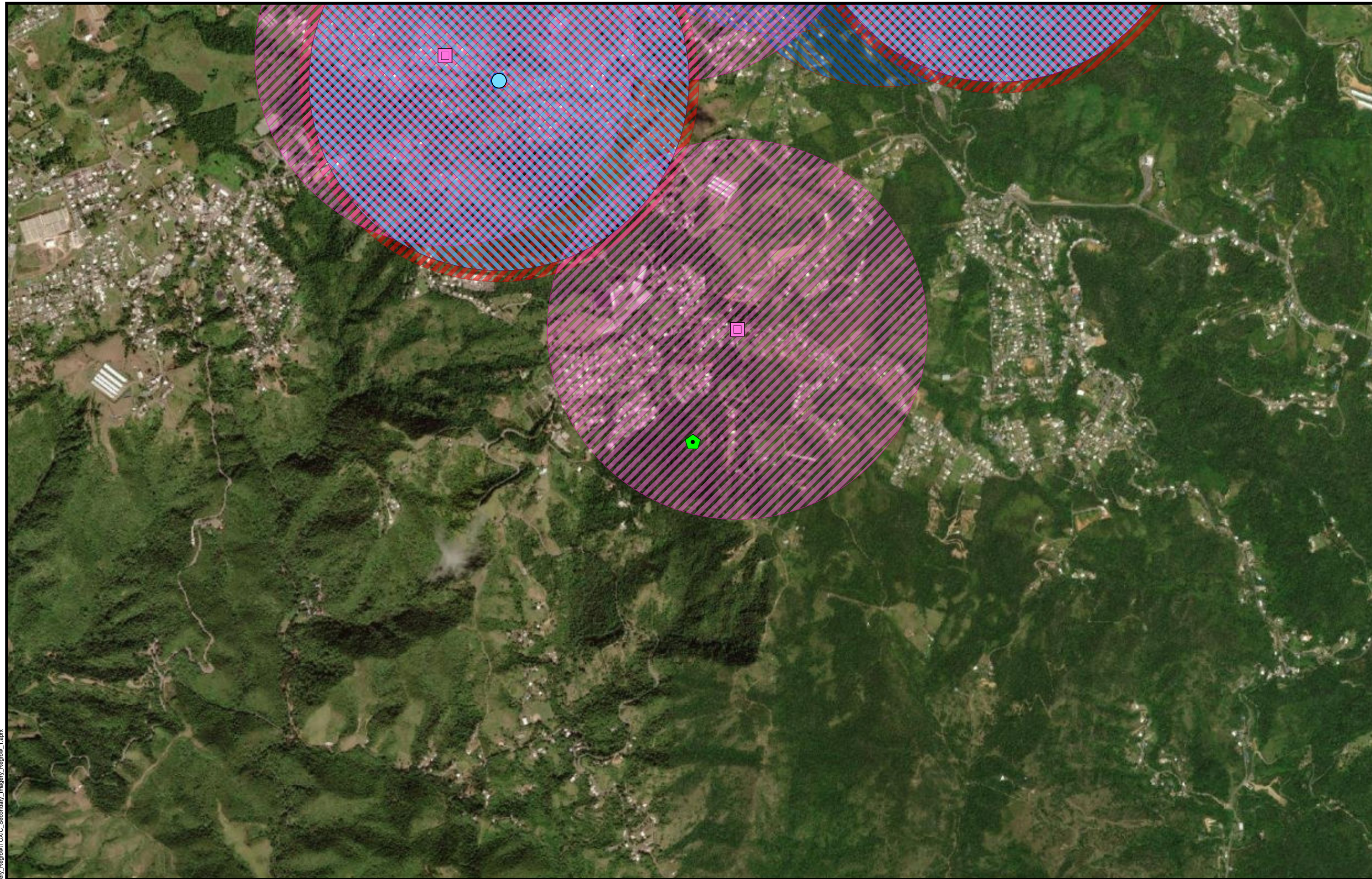


Source: NOAA's Ocean Service  
<https://data.noaa.gov>

Author: TG Date: 10/17/2023



File Path: Z:\data\USRT\Tier2\Regrow\pr\CS12LN\_Secundary\_Imagery\_Region\CS12LN\_Secundary\_Imagery\_Regrow.prx



- 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**



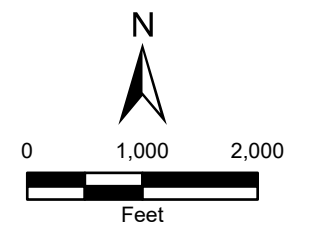
**Figure 8: TOXIC CHEMICALS AND GASES, HAZARDOUS MATERIALS, CONTAMINATION, AND RADIOACTIVE SUBSTANCES**  
**APPLICANT ID: PR-RGRW-02203**

ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705  
 Name of Development: PUERTO FLORA GROWERS, INC  
 Parcel Coordinates: 18.116695 , -66.272880

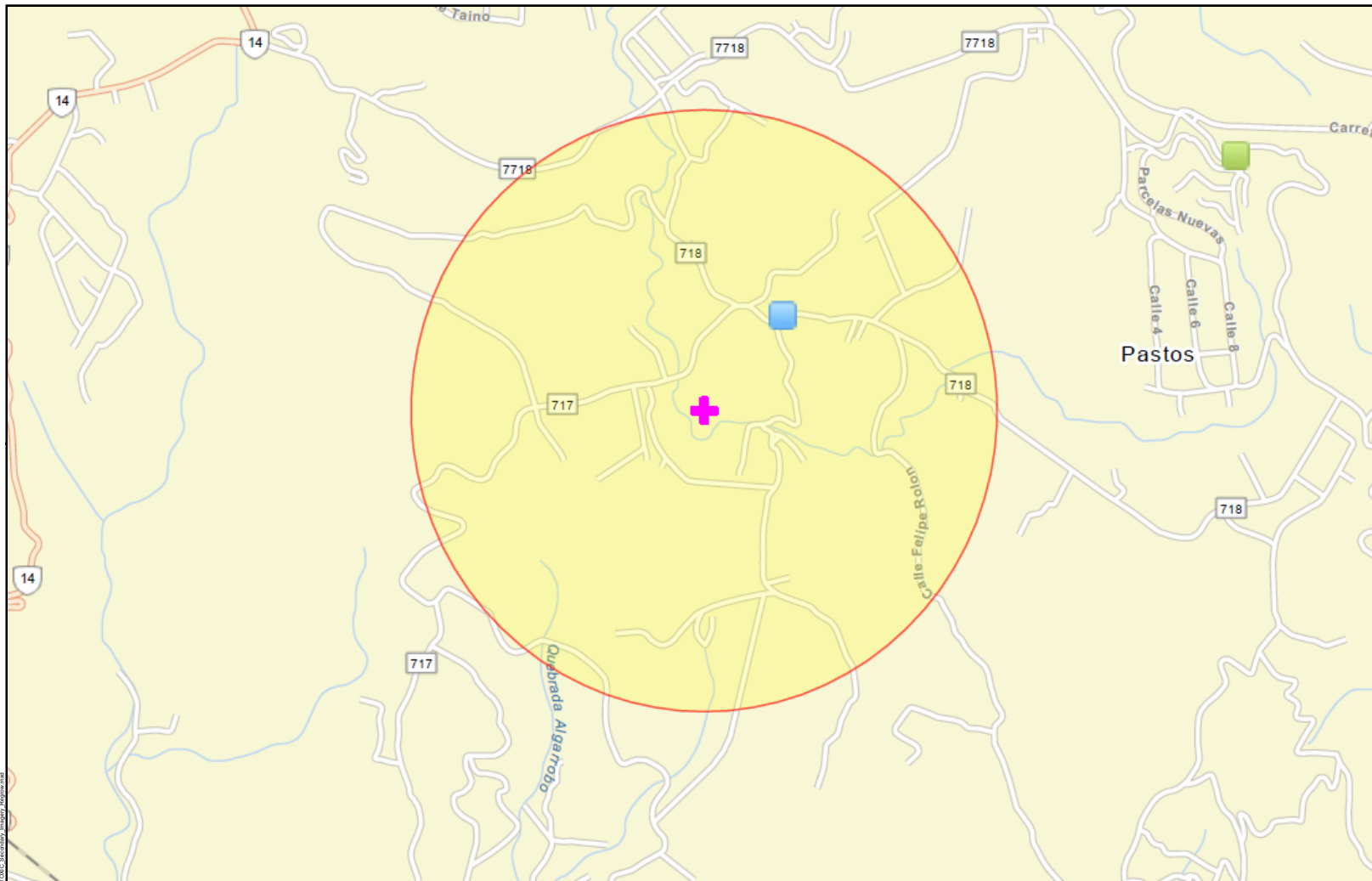


Source: E.P.A.  
<https://www.epa.gov/frs/geospatial-data-download-service>

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



File Path: Z:\data\USRT\Tier2\Region\PR\TOXIC\_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)

**PUERTO RICO**



**Figure 9: NEPA Assist Map**

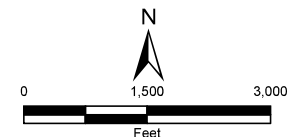


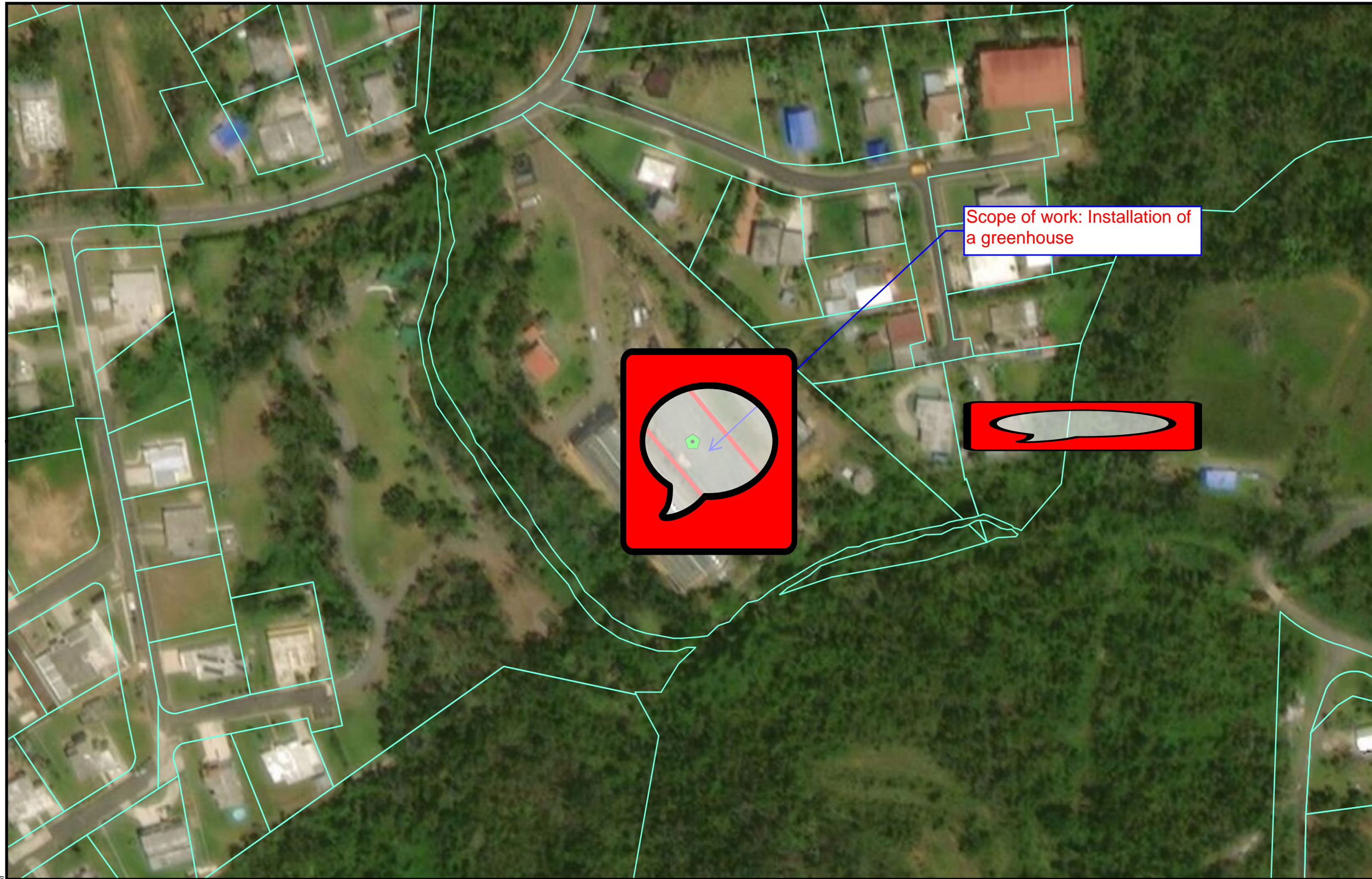
Source: E.P.A.

<https://www.epa.gov/frs/geospatial-data-download-service>

Author: JB/AK

Date: 5/18/2023





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

**PUERTO RICO**



**Figure 10: ENDANGERED SPECIES ACT**

**APPLICANT ID: PR-RGRW-02203**

**ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705**

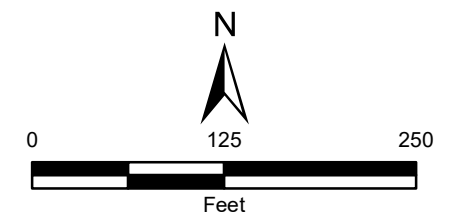
**Name of Development: PUERTO FLORA GROWERS, INC**

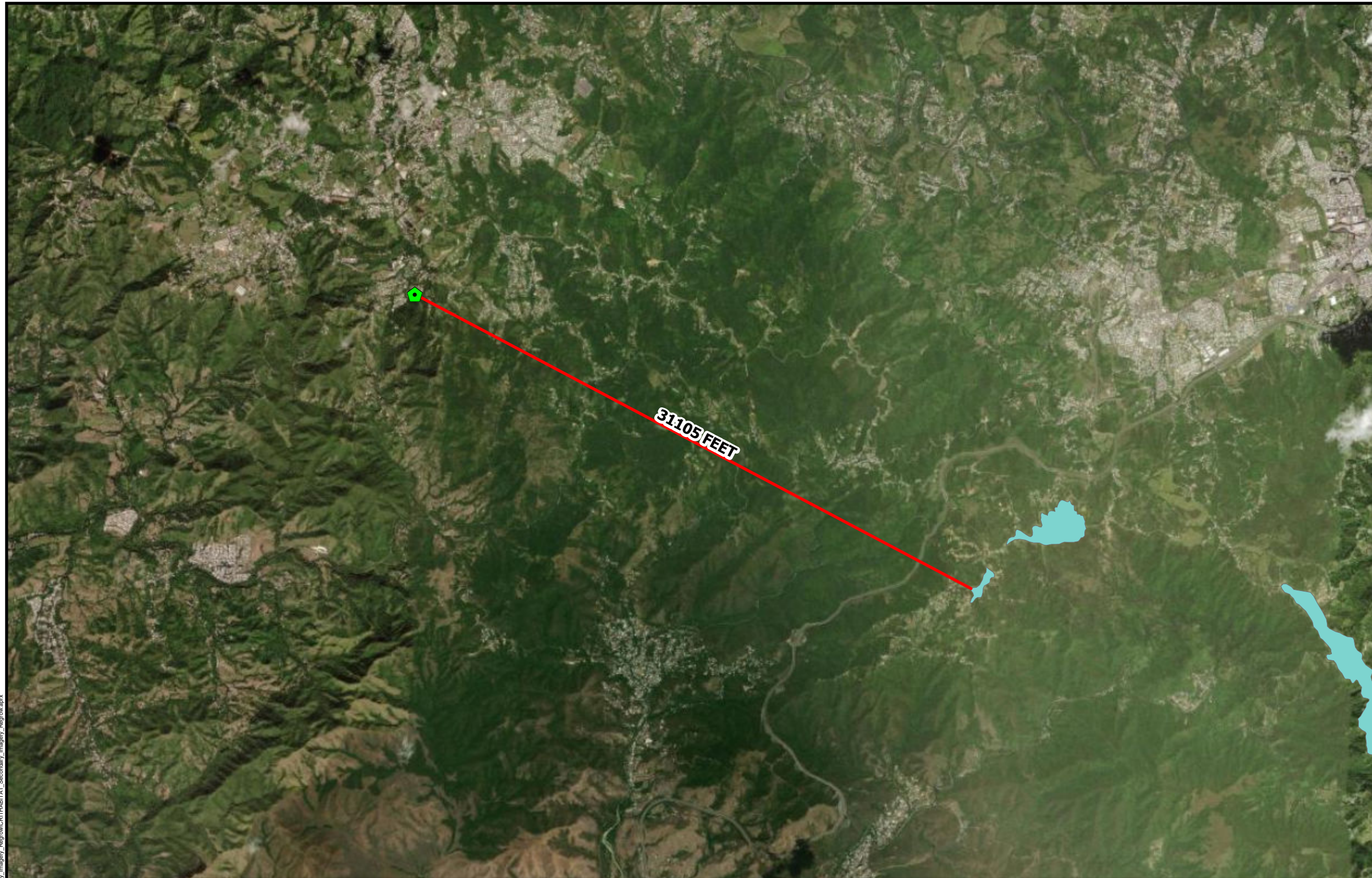
**Parcel Coordinates: 18.116695 , -66.272880**



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

Author: TG Date: 3/22/2024





- Legend**
- ▣ Project Parcel
  - Common Name**
  - ▣ Golden coqui

**Distance to Nearest Critical Habitat:**  
31105 Feet

**PUERTO RICO**



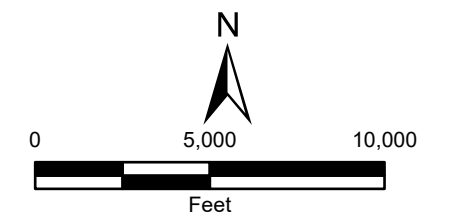
**Figure 11: CRITICAL HABITATS**  
**APPLICANT ID: PR-RGRW-02203**

**ADDRESS:** CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705  
**Name of Development:** PUERTO FLORA GROWERS, INC  
**Parcel Coordinates:** 18.116695 , -66.272880

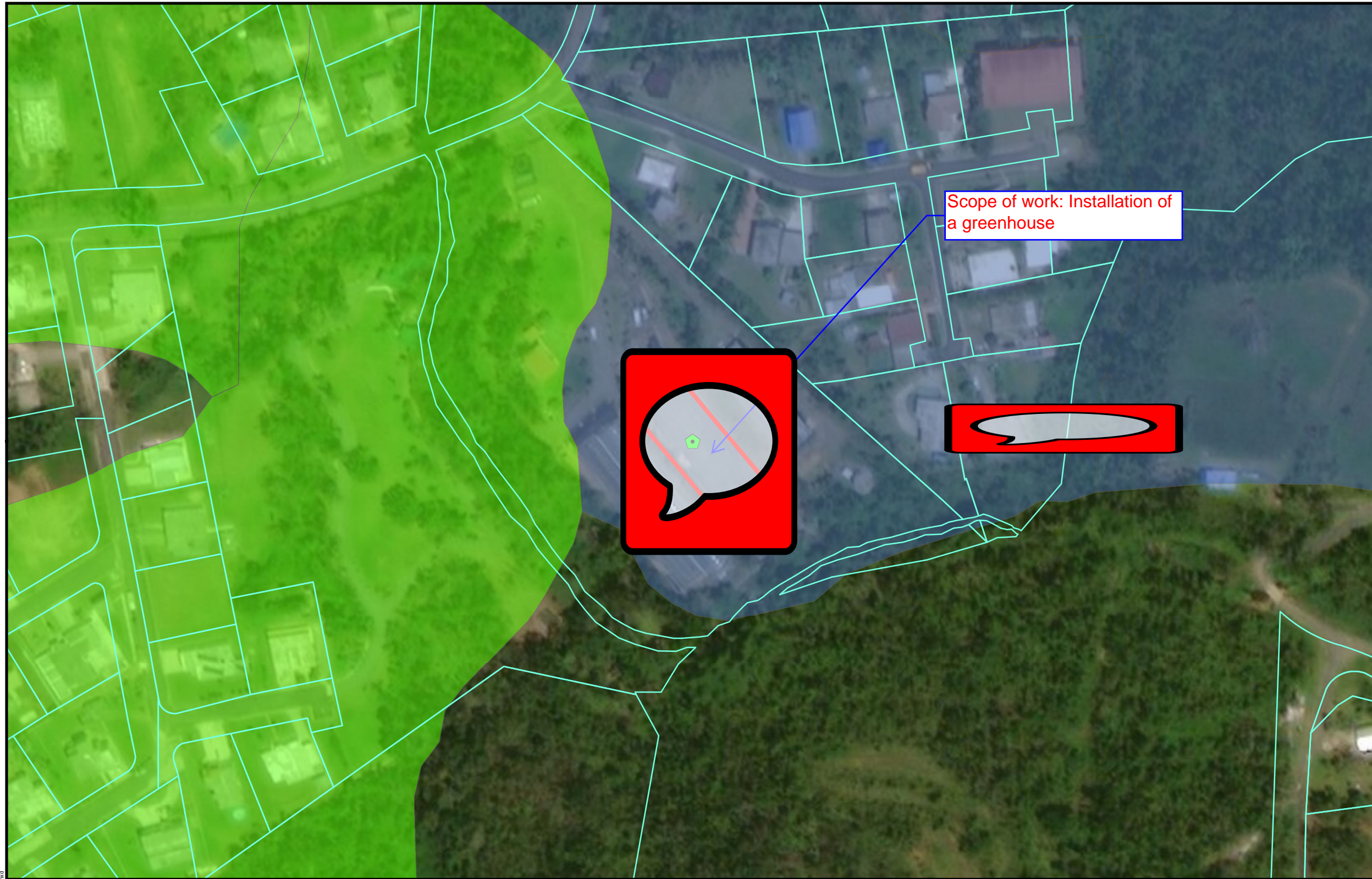


Source: U.S. FISH & WILDLIFE SERVICE  
<https://ecos.fws.gov>










Author: TG Date: 11/3/2023



File Path: Z:\data\USFWS\Tier2\Regrow\aparc\CRITICAL\_HABITATS\_Secondary\_Imagery\_Regrow.aprx



**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-02203**

ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705

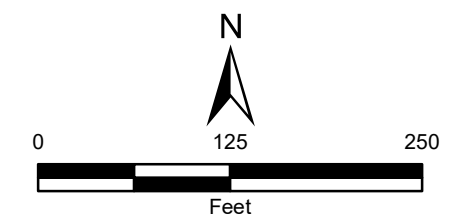
Name of Development: PUERTO FLORA GROWERS, INC

Parcel Coordinates: 18.116695 , -66.272880

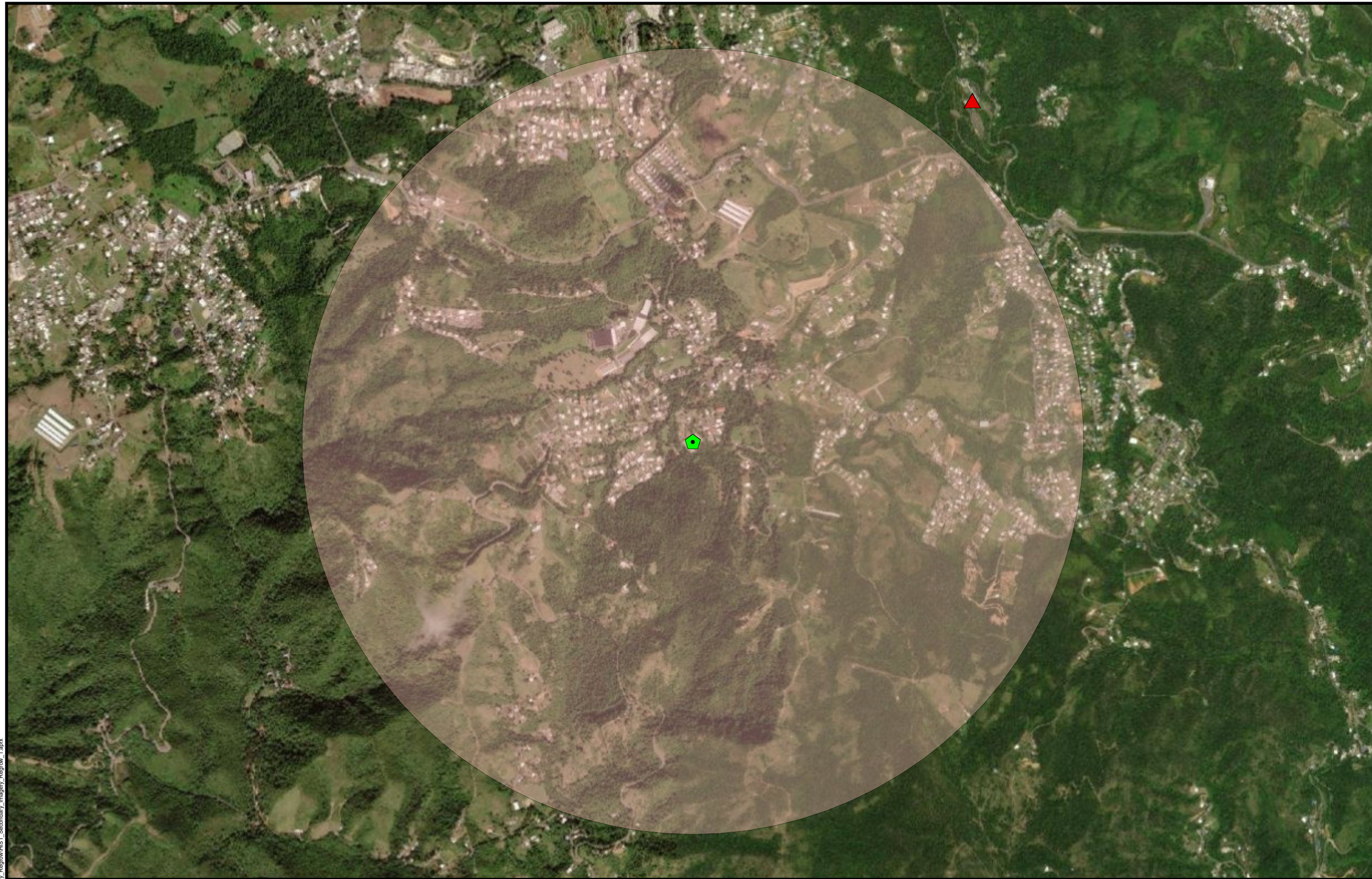


Source: USDA  
<https://websoilsurvey.sc.egov.usda.gov>

Author: TG Date: 3/22/2024







- 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

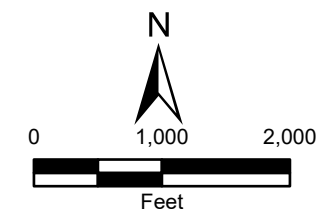
**PUERTO RICO**



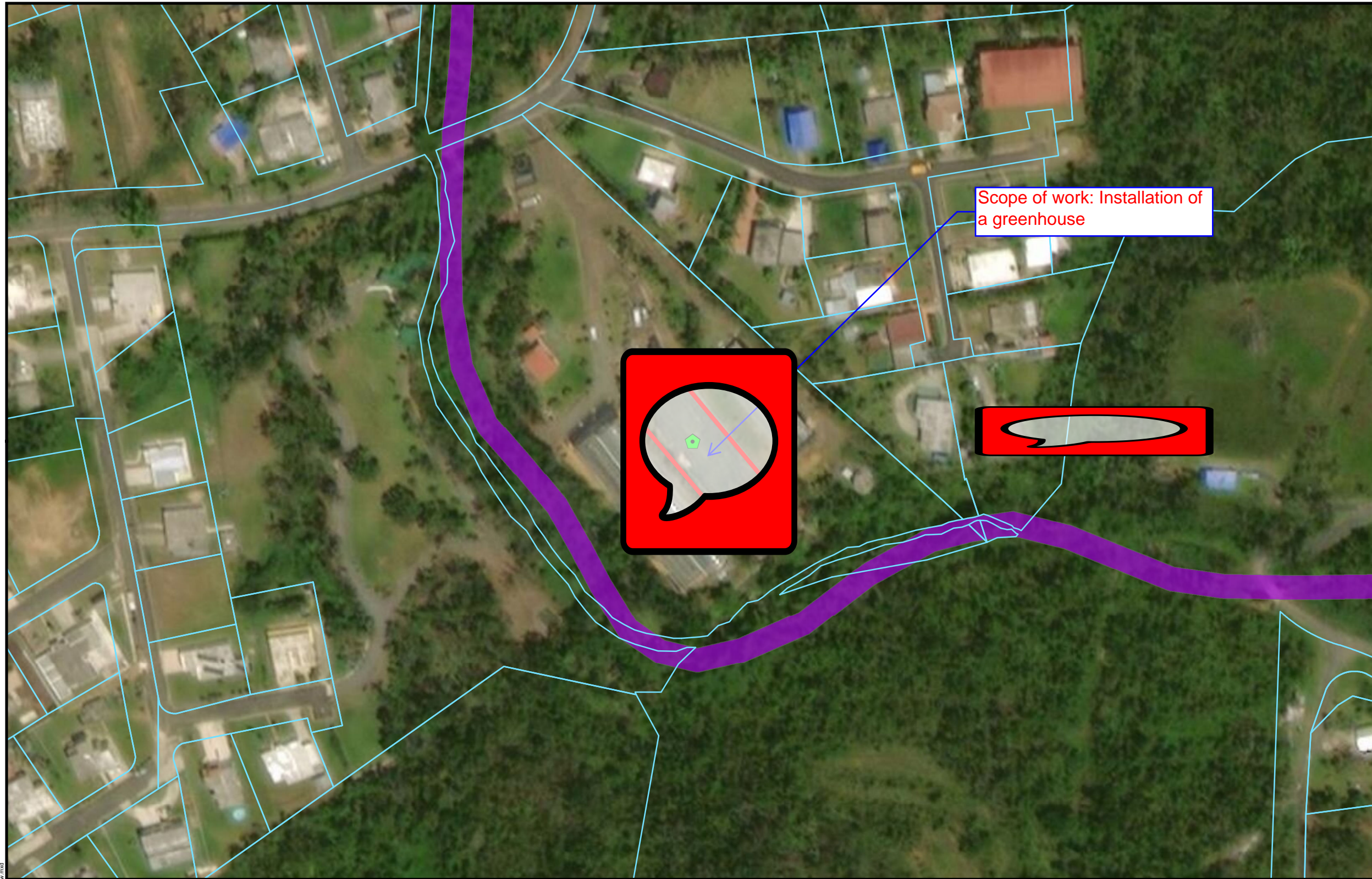
**Figure 13: HISTORIC PRESERVATION**  
**APPLICANT ID: PR-RGRW-02203**  
**ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705**  
 Name of Development: PUERTO FLORA GROWERS, INC  
 Parcel Coordinates: 18.116695 , -66.272880



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



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



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

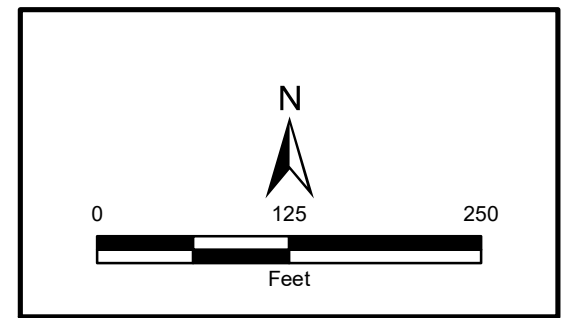
**PUERTO RICO**



**Figure 14: WETLANDS**  
**APPLICANT ID: PR-RGRW-02203**  
**ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705**  
 Name of Development: PUERTO FLORA GROWERS, INC  
 Parcel Coordinates: 18.116695 , -66.272880



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





File Path: Z:\data\USFWS\PR\WETLANDS - Secondary Imagery - Register.mxd

Author: TG Date: 3/22/2024

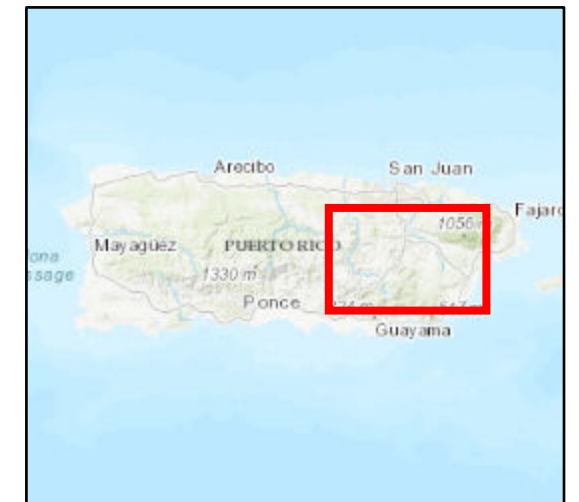


**Legend**

-  Project Parcel
-  Wild and Scenic Rivers

Distance to Nearest Wild and Scenic River: 176318 Feet

**PUERTO RICO**



**Figure 15: WILD AND SCENIC RIVERS ACT**

**APPLICANT ID: PR-RGRW-02203**

ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705

Name of Development: PUERTO FLORA GROWERS, INC

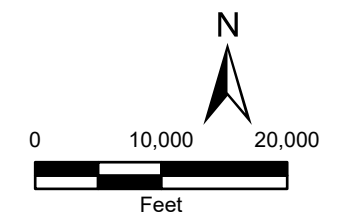
Parcel Coordinates: 18.116695 , -66.272880



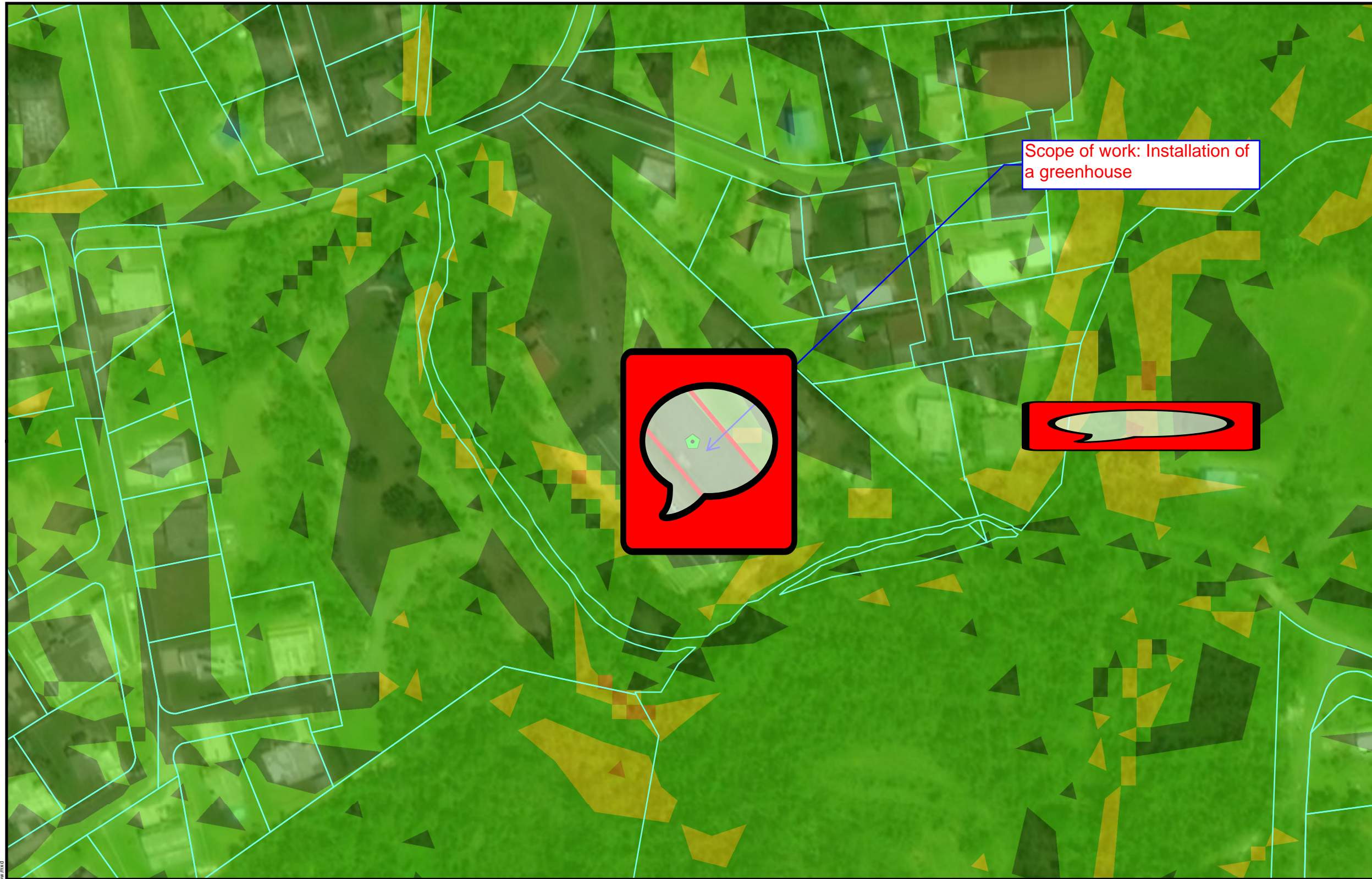
Source: U. S. Forest Service  
<https://www.fs.usda.gov>









Author: TG

Date: 10/23/2023



File Path: Z:\data\USFR\Tier2\Regrow\SR\_Secondary\_Imagery\_Regrow\SR\_Secondary\_Imagery\_Regrow\_1.aprx



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

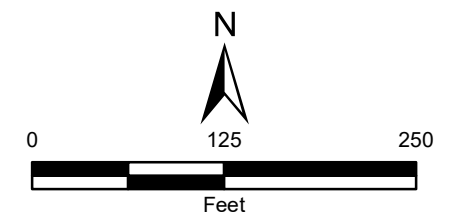
**PUERTO RICO**



**Figure 16: SLOPE AND EROSION**  
**APPLICANT ID: PR-RGRW-02203**  
**ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705**  
**Name of Development: PUERTO FLORA GROWERS, INC**  
**Parcel Coordinates: 18.116695 , -66.272880**



Source: PRDOH  
<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=10506ecc7f15491daee17647f19248ee>  
 Author: TG Date: 3/22/2024



File Path: Z:\external\USRT\Fair\SLIDE\_Secundary\_Images\26\_Region.mxd



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

Distance to Nearest Aquifer:  
5,437,756 FT

**PUERTO RICO**

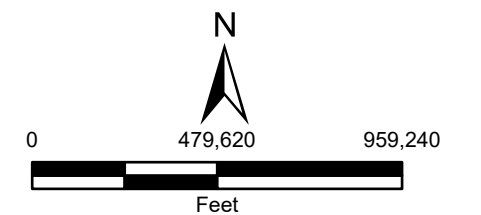


**FIGURE 17: SOLE SOURCE AQUIFERS  
APPLICANT ID: PR-RGRW-02203**

**ADDRESS: CARR 717 KM 9.8 BO PASTO, Aibonito PR 00705**  
 Name of Development: PUERTO FLORA GROWERS, INC  
 Parcel Coordinates: 18.116695 , -66.272880



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



# APPENDIX C

## Additional Information



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

Data is current as of February 29, 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

# EJScreen Community Report

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

## Aibonito Municipio, PR

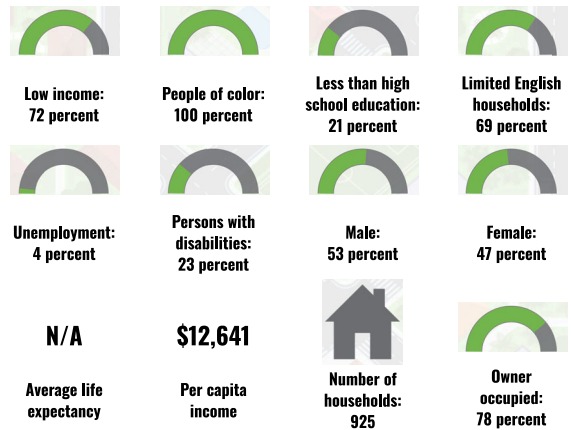
1 mile Ring around the Area  
Population: 2,497  
Area in square miles: 3.49

A3 Landscape



April 4, 2024  
PR-RGRW-02203  
Search Result (point)  
1:2,257  
0 0.03 0.06 0.1 mi  
0 0.04 0.09 0.17 km  
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, ICF

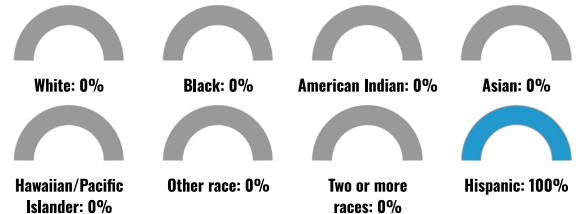
### COMMUNITY INFORMATION



### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	1%
Spanish	99%
Total Non-English	99%

### 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.



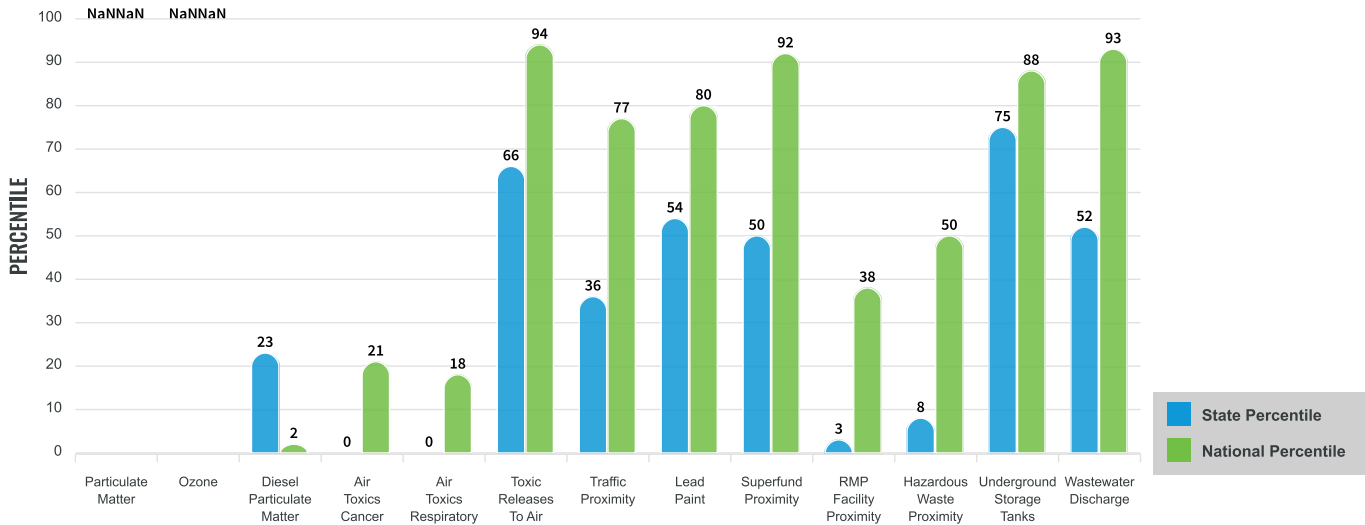
# Environmental Justice & Supplemental Indexes

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.

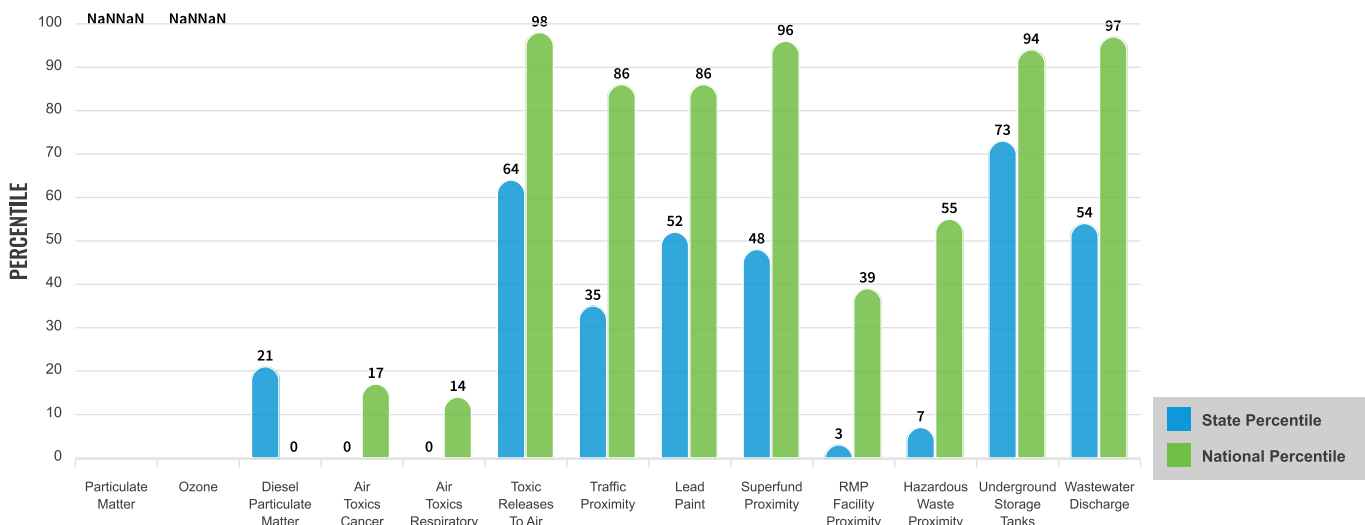
### EJ INDEXES FOR THE SELECTED LOCATION



## 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 ( $\mu\text{g}/\text{m}^3$ )	0.0198	0.0667	23	0.261	0
Air Toxics Cancer Risk* (lifetime risk per million)	10	20	0	25	1
Air Toxics Respiratory HI*	0.1	0.19	0	0.31	1
Toxic Releases to Air	1,300	4,300	65	4,600	64
Traffic Proximity (daily traffic count/distance to road)	85	180	52	210	52
Lead Paint (% Pre-1960 Housing)	0.12	0.16	57	0.3	37
Superfund Proximity (site count/km distance)	0.079	0.15	49	0.13	59
RMP Facility Proximity (facility count/km distance)	0.047	0.47	3	0.43	9
Hazardous Waste Proximity (facility count/km distance)	0.074	0.76	8	1.9	15
Underground Storage Tanks (count/km <sup>2</sup> )	1.9	1.7	73	3.9	57
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0051	2.3	53	22	62
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	86%	83%	45	35%	97
Supplemental Demographic Index	41%	43%	37	14%	98
People of Color	100%	96%	30	39%	97
Low Income	72%	70%	44	31%	95
Unemployment Rate	4%	15%	22	6%	47
Limited English Speaking Households	69%	67%	47	5%	99
Less Than High School Education	21%	21%	52	12%	82
Under Age 5	3%	4%	52	6%	31
Over Age 64	24%	22%	60	17%	78
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 .....	1
Air Pollution .....	1
Brownfields .....	0
Toxic Release Inventory .....	1

## Other community features within defined area:

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

## Other environmental data:

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

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

Report for 1 mile Ring 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	23.9%	21.6%	62	13.4%	93

## CLIMATE INDICATORS

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

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	33%	32%	57	14%	91
Lack of Health Insurance	5%	7%	28	9%	33
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



# Detailed Facility Report

## Facility Summary

**NATIVE CHEMICALS**

**PR-718 KM 0.9 BO PASTO SECTOR CARDIN, AIBONITO, PR 00705**

**FRS (Facility Registry Service) ID:** 110024280320

**EPA Region:** 02

**Latitude:** 18.119312

**Longitude:** -66.270567

**Locational Data Source:** ICIS

**Industries:** --

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	02/25/2020
<b>Compliance Status</b>	<b>Violation Identified</b>
Qtrs in Noncompliance (of 12)	6
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	1
Penalties from Formal Enforcement Actions (5 years)	\$0
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--
Statute	SDWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
<b>Compliance Status</b>	<b>No Violation Identified</b>
Qtrs in Noncompliance (of 12)	4
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	1
Formal Enforcement Actions (5 years)	3
Penalties from Formal Enforcement Actions (5 years)	\$0
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

## Regulatory Information

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

## Other Regulatory Reports

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

**Clean Water Act (CWA):** Non-Major, Permit Effective (PR0025755)

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

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

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

**Safe Drinking Water Act (SDWA):** OWNER: Local government, PRIMARY SERVICE AREA DESCRIPTION: Residential Area, SOURCE: Surface water, TYPE: Community water system Permit Active (PR0004545), OWNER: Local government, PRIMARY SERVICE AREA DESCRIPTION: Residential Area, SOURCE: Surface water, TYPE: Community water system Permit Active (PR0004545)

**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		110024280320					N	18.119312	-66.270567
ICIS		7732567					N	18.119312	-66.270567
ICIS-NPDES	CWA	PR0025755	Non-Major: NPDES Individual Permit	Effective		10/31/2024	N	18.093472	-66.135639
SDWIS	SDWA	PR0004545	OWNER: Local government, PRIMARY SERVICE AREA DESCRIPTION: Residential Area, SOURCE: Surface water, TYPE: Community water system	Active	Population Served: 17782		N		
SDWIS	SDWA	PR0004545	OWNER: Local government, PRIMARY SERVICE AREA DESCRIPTION: Residential Area, SOURCE: Surface water, TYPE: Community water system	Active	Population Served: 17782		N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110024280320	NATIVE CHEMICALS	PR-718 KM 0.9 BO PASTO SECTOR CARDIN, AIBONITO, PR 00705	Aibonito Municipio
ICIS		7732567	NATIVE CHEMICALS	RD.718 KM.0.9 BO.PASTO SECTOR CARDIN, AIBONITO, PR 00705	Aibonito Municipio
ICIS-NPDES	CWA	PR0025755	PRASA LA PLATA WTP	ROAD 173 KM 2.1 INTERSECTION RD 727, AIBONITO, PR 00705	San Juan Municipio
SDWIS	SDWA	PR0004545	AIBONITO LA PLATA	PR	
SDWIS	SDWA	PR0004545	AIBONITO LA PLATA	PR	

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PR0025755	4941	Water Supply

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

System	Identifier	NAICS Code	NAICS Description
No data records returned			

### Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
PR0025755	000	No Applicable Effluent Guidelines

### Facility Tribe Information

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

## Enforcement and Compliance

### Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CWA	PR0025755	ICIS-NPDES	Offsite Record Review	Base Program - Desk Audit	EPA	03/11/2021	
CWA	PR0025755	ICIS-NPDES	Inspection/Evaluation	Base Program - Evaluation	EPA	02/25/2020	

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

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

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

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

Source ID	Date	Type	Agency	Data Verification	Distribution	Management Operation	Finished Water Storage	Operator Compliance	Other Evaluation	Pumps	Security	Source	Financial	Treatment
No data records returned														

Sanitary survey result codes:

S = Significant Deficiencies

R = Recommendations Made

X = Not Evaluated

D = Sanitary Defect

M = Minor Deficiencies

N = No Deficiencies or

Z = Not Applicable

-- = Not Reported to EPA

Recommendations

### Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PR0025755	No	12/31/2023	6	04/05/2024
SDWA	PR0004545	No	12/31/2023	4	04/05/2024

### 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
	CWA (Source ID: PR0025755)				01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status				Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Quarterly Noncompliance Report History				Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Resolved - Pending	Resolved - Pending	Resolved - Pending	Resolved - Pending	Resolved - Pending	Resolved - Pending	Resolved - Pending
	Pollutant	Disch Point	Mon Loc	Freq												
CWA	BOD, 5-day, 20 deg. C <effluent-charts#pr0025755/00310> <https://epa.gov/effluent-charts#pr0025755/00310>	001 - A	Effluent Gross	NMth		21%					50%		185%	115%		
CWA	Copper, total [as Cu] <effluent-charts#pr0025755/01042> <https://epa.gov/effluent-charts#pr0025755/01042>	001 - A	Effluent Gross	NMth							6%					
CWA	Turbidity <effluent-charts#pr0025755/00070> <https://epa.gov/effluent-charts#pr0025755/00070>	001 - A	Effluent Gross	NMth								LIMIT VIOLATION				

Statute	Violation Type/Category		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13*
	SDWA (Source ID: PR0004545)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24
	Facility-Level Status		Violation	No Violation	No Violation	No Violation	Violation	Violation	Violation	No Violation	No Violation	No Violation	No Violation	No Violation	In Progress
	Category	Violation Type													
SDWA	MCL (Maximum Contaminant Level Violation)	Stage 2 Disinfectants and Disinfection Byproducts Rule					01/01/2022 - 03/31/2022	04/01/2022 - 06/30/2022	07/01/2022 - 09/30/2022						Und
SDWA	MR (Monitoring and Reporting)	Lead and Copper Rule	07/01/2011 - 02/11/2021												Und

\*Quarter 13 data is voluntarily entered and/or incomplete, and may not form a complete picture for that quarter. Read more <https://epa.gov/help/reports/df-r-data-dictionary#sdwacomp>

SDWA Compliance Data Last Reported: 12/31/2023

### Informal Enforcement Actions Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
SDWA	SDWIS	PR0004545	State Formal Notice of Violation issued	State	07/10/2019

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
CWA	ICIS-NPDES	301	NPDES/PR0025755	Judicial	02-2011-0007	EPA	PRASA - Puerto Nuevo Regional WWTP et al.	09/15/2015	2	03/22/2024 05/23/2016	\$0 \$0	-- --	-- --	-- --	\$534,000,000 \$700,000,000

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
SDWA	SDWIS	--	SFDW/PR0004545	State Civil Case filed in State court	--	State	--	--	1	04/12/2022	--	--	--	--	--

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

Source ID	Noncompliance Period	Violation ID	Federal Rule	Contaminant	Violations					Enforcement Actions				
					Category	Description	Measured Value	State MCL (Maximum Contaminant Level)	Federal MCL (Maximum Contaminant Level)	Status	Date	Category	Description	Agency
PR0004545	07/01/2022 - 09/30/2022	7622048	Stage 2 Disinfectants and Disinfection Byproducts Rule	TTHM	MCL	Maximum Contaminant Level Violation	.071 MG/L	--	0.080 mg/L	Resolved	12/31/2022	Resolving	State Compliance achieved	State
											04/12/2022	Formal	State Civil Case filed in State court	State
PR0004545	04/01/2022 - 06/30/2022	7622047	Stage 2 Disinfectants and Disinfection Byproducts Rule	TTHM	MCL	Maximum Contaminant Level Violation	.087 MG/L	--	0.080 mg/L	Resolved	12/31/2022	Resolving	State Compliance achieved	State
											04/12/2022	Formal	State Civil Case filed in State court	State
PR0004545	01/01/2022 - 03/31/2022	7622046	Stage 2 Disinfectants and Disinfection Byproducts Rule	TTHM	MCL	Maximum Contaminant Level Violation	.083 MG/L	--	0.080 mg/L	Resolved	12/31/2022	Resolving	State Compliance achieved	State
											04/12/2022	Formal	State Civil Case filed in State court	State
PR0004545	07/01/2020 - 07/31/2020	7622044	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Resolved	08/31/2020	Resolving	State Compliance achieved	State
PR0004545	07/01/2020 - 07/31/2020	7622043	Consumer Confidence Rule	Consumer Confidence Rule	Other	Other Violation	--	--	--	Resolved	07/31/2020	Resolving	State Compliance achieved	State
PR0004545	01/01/2020 - 03/31/2020	7622045	Stage 2 Disinfectants and Disinfection Byproducts Rule	TTHM	MCL	Maximum Contaminant Level Violation	.081 MG/L	.08 MG/L	0.080 mg/L	Resolved	06/30/2020	Resolving	State Compliance achieved	State
											06/30/2020	Resolving	State Compliance achieved	State
PR0004545	10/01/2018 - 08/13/2019	7622042	Consumer Confidence Rule	Consumer Confidence Rule	Other	Other Violation	--	--	--	Resolved	08/13/2019	Resolving	State Compliance achieved	State
											07/10/2019	Informal	State Formal Notice of Violation issued	State
PR0004545	01/01/2015 - 02/11/2021	7622006	Lead and Copper Rule	Lead and Copper Rule	MR	Monitoring and Reporting	--	--	--	Resolved	02/11/2021	Resolving	State Compliance achieved	State
											03/31/2015	Informal	State Formal Notice of Violation issued	State
PR0004545	07/01/2013 - 02/11/2021	7621993	Lead and Copper Rule	Lead and Copper Rule	MR	Monitoring and Reporting	--	--	--	Resolved	02/11/2021	Resolving	State Compliance achieved	State
											03/17/2014	Informal	State Formal Notice of Violation issued	State
PR0004545	07/01/2012 - 02/11/2021	7621987	Lead and Copper Rule	Lead and Copper Rule	MR	Monitoring and Reporting	--	--	--	Resolved	02/11/2021	Resolving	State Compliance achieved	State
											02/06/2013	Informal	State Formal Notice of Violation issued	State

Source ID	Noncompliance Period	Violation ID	Federal Rule	Violations						Enforcement Actions				
				Contaminant	Category	Description	Measured Value	State MCL (Maximum Contaminant Level)	Federal MCL (Maximum Contaminant Level)	Status	Date	Category	Description	Agency
PR0004545	07/01/2011 - 02/11/2021	7621981	Lead and Copper Rule	Lead and Copper Rule	MR	Monitoring and Reporting	--	--	--	Resolved	02/11/2021	Resolving	State Compliance achieved	State
											12/11/2011	Informal	State Formal Notice of Violation issued	State
											12/11/2011	Informal	State Formal Notice of Violation issued	State

## Environmental Conditions

### Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100050707	Rio de la Plata at Represa Comerio Dam	LA PLATA RIVER	No	No	Ammonia & ammonium- total   Copper, total (as Cu)   Lead, total (as Pb)   Temperature, water deg. centigrade   Turbidity   pH	Yes

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

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRER10A4	RIO LA PLATA	Impaired - 303(d) Listed - With Restoration Plan	METALS (OTHER THAN MERCURY)   NUTRIENTS   PATHOGENS   PH/ACIDITY/CAUSTIC CONDITIONS   TEMPERATURE   TURBIDITY	Not Supporting	Not Supporting	--	Not Supporting	--

### Air Quality Nonattainment Areas

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

## Pollutants

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

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

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

Chemical Name
No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description	2019	2020	2021	2022	2023
PR0025755	DMR Pollutant Loadings (lb/year)	6,726	220,677	189,623	217,293	104,351
PR0025755	DMR Pollutant Loadings - Load Over Limit (lb/year)	2,288	0	254	1,010	4,818
PR0025755	DMR Conventional Loadings (lb/year)	--	--	--	4,697	--
PR0025755	DMR Conventional Loadings - Load Over Limit (lb/year)	--	--	--	1,009	--
PR0025755	DMR Toxic-Weighted Loadings (lb-eq/year)	26.56	6.46	5.70	15.92	5.40
PR0025755	DMR Toxic-Weighted Loadings - Load Over Limit (lb-eq/year)	1.03	0	0	0.3678	0

## Community



## Environmental Justice

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

### EJScreen Indexes Shown

Compare to  US  State

Index Type  Environmental Justice  Supplemental

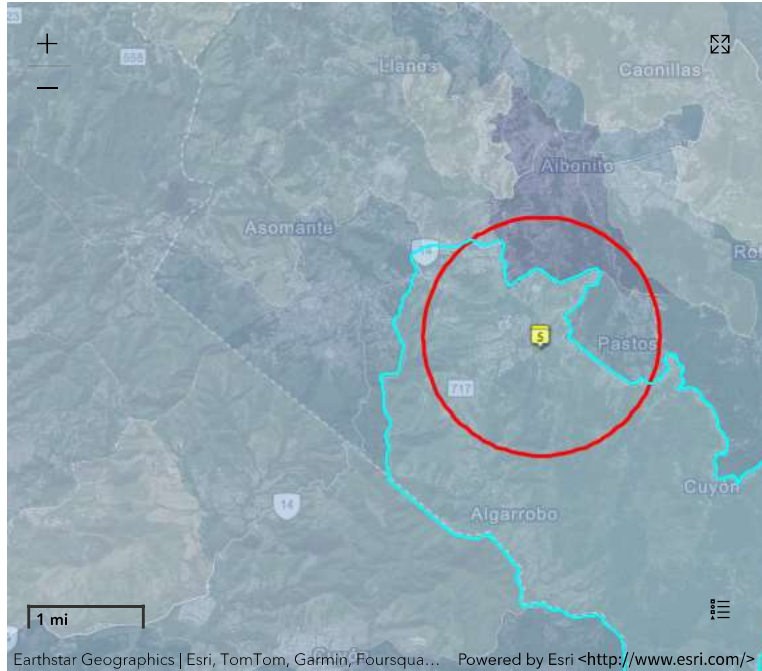
### Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720092506002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
<b>Count of Indexes At or Above 80th Percentile</b>	<b>4</b>	<b>6</b>
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	0	5
Air Toxics Cancer Risk	15	27
Air Toxics Respiratory Hazard Index	13	21
Toxic Releases to Air	<b>1</b> 97	<b>1</b> 99
Traffic Proximity	56	<b>1</b> 99
Lead Paint	70	<b>1</b> 99
Risk Management Plan (RMP) Facility Proximity	39	56
Hazardous Waste Proximity	50	72
Superfund Proximity	<b>1</b> 95	<b>1</b> 99
Underground Storage Tanks (UST)	<b>1</b> 85	<b>1</b> 99
Wastewater Discharge	<b>1</b> 96	<b>1</b> 99

Facility 1-mile Radius  Facility Census Block Group



## Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (U.S. Census)	
Total Persons	3,122
Population Density	1,006/sq.mi.
Housing Units in Area	1,264

General Statistics (ACS (American Community Survey))	
Total Persons	2,940
Percent People of Color	100%
Households in Area	1,079
Households on Public Assistance	63
Persons With Low Income	2,197
Percent With Low Income	75%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.119312
Center Longitude	-66.270567

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	195 (6%)
Minors 17 years and younger	708 (23%)
Adults 18 years and older	2,415 (77%)
Seniors 65 years and older	403 (13%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,548 (82%)
African-American	212 (7%)
Hispanic-Origin	3,109 (100%)
Asian/Pacific Islander	1 (0%)
American Indian	6 (0%)
Other/Multiracial	355 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	233 (10.95%)
9th through 12th Grade	228 (10.71%)

Geography	
Land Area	100%
Water Area	0%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	442 (40.96%)
\$15,000 - \$25,000	249 (23.08%)
\$25,000 - \$50,000	229 (21.22%)
\$50,000 - \$75,000	106 (9.82%)
Greater than \$75,000	53 (4.91%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
High School Diploma	807 (37.92%)
Some College/2-year	253 (11.89%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	386 (18.14%)

**APPENDIX D**  
Endangered Species

Date: March 11, 2024

Applicant ID: PR-RGRW-02203

Street Address: CARR 717 KM 9.8 BO PASTO

Municipality: Aibonito

### **Subject – Endangered Species No Effect Determination for PR-RGRW-02203**

Tetra Tech conducted a site-specific review of endangered species in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.) for the proposed project located at CARR 717 KM 9.8 BO PASTO, in the Municipality of Aibonito, Puerto Rico (Parcel ID# 322-017-268-97).

The proposed project includes the purchase and installation of a 4,800 square foot (ft<sup>2</sup>) greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed greenhouse is a 150-foot (ft) x 32 ft metal structure with plastic and Saran plastic cover. The proposal includes the 8 NFT banks metal frame tables, 2,800 ft<sup>2</sup> each, and the irrigation piping system. The proposed location of the greenhouse is currently graded, with ground cover and in use for the nursery and storage of sun ornamental plants.

The nearby surrounding landscape of the proposed project is two other greenhouses, and the area is being used as a nursery. To the south of the parcel there is a heavily forested area, to the north, east, and west the area is developed. No trees are located within the area where the scope of work will take place and therefore there will be no effect to the habitat for arboreal snakes. There will be no vegetation or tree will removal in this scope of work.

The National Wetlands Inventory indicated there is one NWI mapped wetlands are located within the parcel, and approximately 148 feet to the west of the proposed scope of work (Figure 14). There will be no effect on the wetland, see attached wetlands memo.

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

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

No Critical Habitats were noted within the project area (Figure 10). Based on site review and site photos, no suitable habitat was found within the proposed project area for the Puerto Rican Boa. Based on the nature of the project, scope of work, information available, and a careful analysis of the Project Site, and IPaC species list, we have made the following effects determinations:

<b>Species</b>	<b>Effect Determination</b>	<b>Conservation Measures to be implemented (if needed)</b>
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	No Effect	No Conservation Measures

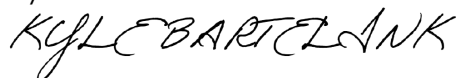
A 'No Effect' determination has been made based on the lack of potential effect to the habitat for the Puerto Rican Boa, as well as previous disturbance and current land use of the proposed project area. The proposed scope of work will require no vegetation or tree removal and the land has been previously cleared and graded.

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.

**Attachments:**

Wetlands Memo  
IPaC Resource List

Kyle Bartelink



B.S. Biologist, Tetra Tech



Date: March 11, 2024

Applicant ID: PR-RGRW-02203

Street Address: CARR 717 KM 9.8 BO PASTO

Zip Code: 00705

County: Aibonito

Subject: Site-Specific Wetland Review

A feature defined by the National Wetlands Inventory (NWI) as a permanently flooded riverine with an unconsolidated bottom environment (R5UBH) is located inside the parcel boundary and approximately 148 feet to the west of the Scope of Work. Photographic documentation from a site visit conducted on December 19, 2023 indicates that the land is frequently disturbed, and the land is cleared and currently be used as a nursey. This project includes the purchase and installation of a 4,800 square foot (ft<sup>2</sup>) greenhouse at the coordinates 18.116695, -66.272880 to produce ornamentals plants. The proposed greenhouse is a 150-foot (ft) x 32 ft metal structure with plastic and Saran plastic cover. Tho proposal includes the 8 NFT banks metal frame tables, 2,800 ft<sup>2</sup> each, and the irrigation piping system. The proposed location of the greenhouse is currently graded, with ground cover and in use for the nursery and storage of sun ornamental plants. Soils data from the United States Department of Agriculture Web Soil Survey indicates there are no hydric soils in the proposed area of effect. nearby surrounding landscape of the proposed project is two other greenhouses, and the area is being used as a nursery. To the south of the parcel there is a heavily forested area, to the north, east, and west the area is developed. A review of historic aerial imagery does not indicate that the defined feature approaches closer to the site than is indicated by NWI mapping. Based on USACE Wetland Determination Criteria, this site does not meet all three parameters of wetland criteria.

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

*A .Implement and maintain erosion and sedimentation control measures sufficient to prevent deposition of sediment and eroded soil in onsite and offsite wetlands and waters and to prevent erosion in onsite and offsite wetlands and waters.*

*b. Minimize soil compaction by minimizing project ground disturbing activities in vegetated areas, including lawns.*

Kyle Bartelink

A handwritten signature in black ink that reads 'KYLE BARTELINK'.

Biologist, Tetra Tech

March 11, 2014



## United States Department of the Interior



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

In Reply Refer To:  
Project Code: 2024-0060403  
Project Name: PR-RGRW-02203

March 11, 2024

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

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

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 and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC by completing the same process used to receive the enclosed list.

The purpose of the 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 threatened and endangered species and/or designated critical habitat.

A Biological Assessment 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 Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to 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. 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>

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see [Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service \(fws.gov\)](#).

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.



Attachment(s):

- Official Species List

## **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: 2024-0060403

Project Name: PR-RGRW-02203

Project Type: Restoration / Enhancement - Agricultural

Project Description: This project includes the purchase and installation of a 4,800 square foot (ft<sup>2</sup>) greenhouse at the coordinates 18.116695, -66.272880 to produce ornamentals plants. The proposed greenhouse is a 150-foot (ft) x 32 ft metal structure with plastic and Saran plastic cover. The proposal includes the 8 NFT banks metal frame tables, 2,800 ft<sup>2</sup> each, and the irrigation piping system. The proposed location of the greenhouse is currently graded, with ground cover and in use for the nursery and storage of sun ornamental plants.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.11668095,-66.27283130520357,14z>



Counties: Aibonito County, Puerto Rico

## ENDANGERED SPECIES ACT SPECIES

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

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

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## REPTILES

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6628">https://ecos.fws.gov/ecp/species/6628</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/6UEOMUNX4RCRVH4NJTWVITDMI/documents/generated/7159.pdf">https://ipac.ecosphere.fws.gov/project/6UEOMUNX4RCRVH4NJTWVITDMI/documents/generated/7159.pdf</a>	Endangered

## CRITICAL HABITATS

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

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

## **IPAC USER CONTACT INFORMATION**

Agency: Tetra Tech  
Name: Kyle Bartelink  
Address: 2301 Lucien Way  
City: Maitland  
State: FL  
Zip: 32751  
Email: kyle.bartelink@tetrattech.com  
Phone: 4072523619



## United States Department of the Interior



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

In Reply Refer To:  
Project code: 2024-0060403  
Project Name: PR-RGRW-02203

04/09/2024 12:59:20 UTC

Subject: Consistency letter for the project named 'PR-RGRW-02203' 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 April 09, 2024, Kyle Bartelink 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-02203'. The project is located in Aibonito County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.11668095,-66.27283130520357,14z>



The following description was provided for the project 'PR-RGRW-02203':

This project includes the purchase and installation of a 4,800 square foot (ft<sup>2</sup>) greenhouse at the coordinates 18.116695, -66.272880 to produce ornamentals plants. The proposed greenhouse is a 150-foot (ft) x 32 ft metal structure with plastic and Saran plastic cover. The proposal includes the 8 NFT banks metal frame tables, 2,800 ft<sup>2</sup> each, and the irrigation piping system. The proposed location of the greenhouse is currently graded, with ground cover and in use for the nursery and storage of sun ornamental plants.

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

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

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

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

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

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

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-02203

### 2. Description

The following description was provided for the project 'PR-RGRW-02203':

This project includes the purchase and installation of a 4,800 square foot (ft<sup>2</sup>) greenhouse at the coordinates 18.116695, -66.272880 to produce ornamentals plants. The proposed greenhouse is a 150-foot (ft) x 32 ft metal structure with plastic and Saran plastic cover. The proposal includes the 8 NFT banks metal frame tables, 2,800 ft<sup>2</sup> each, and the irrigation piping system. The proposed location of the greenhouse is currently graded, with ground cover and in use for the nursery and storage of sun ornamental plants.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.11668095,-66.27283130520357,14z>





## QUALIFICATION INTERVIEW

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

*No*

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

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

*Yes*

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

**Automatically answered**

*Yes*

## **IPAC USER CONTACT INFORMATION**

Agency: Tetra Tech

Name: Kyle Bartelink

Address: 2301 Lucien Way

City: Maitland

State: FL

Zip: 32751

Email: [kyle.bartelink@tetrattech.com](mailto:kyle.bartelink@tetrattech.com)

Phone: 4072523619

# **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)

Monday, March 25, 2024

### Lauren B Poche

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

SHPO-CF-03-18-24-06 PR-RGRW-02203 (Aibonito), Puerto Flora Growers, Inc.

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

March 18, 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-02203 – Puerto Flora Growers, Inc – Carr 717 Km 9.8, Bo Pasto, Aibonito, 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 were 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 Puerto Flora Growers, Inc located at Carr 717 Km 9.8 Bo Pasto, in the municipality of Aibonito. The undertaking for this project includes the purchase and installation of a new greenhouse and installation of an electrical conduit trench. This project includes the purchase and installation of a 4,800 square foot (ft<sup>2</sup>) greenhouse to produce ornamentals plants. The proposed greenhouse is a 150-foot (ft) x 32 ft metal structure with plastic and Saran plastic cover. The proposed area for the location of the greenhouse has water connections in place. Additionally, the facilities have a reserve water tank of about 35,000 gallons. Electrical connection to the new greenhouse will be achieved via an underground electrical conduit from an existing electrical connection at an approximate distance of 100 ft at an approximate depth of 3 ft.

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,


A handwritten signature in cursive script that reads 'Lauren Bair Poche'.

**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> PUERTO FLORA GROWERS, INC		
<b>Case ID:</b> PR-RGRW-02203	<b>City:</b> Aibonito	

<b>Project Location:</b> Carr 717 Km 9.8, Bo Pasto, Aibonito PR, 00705	
<b>Project Coordinates:</b> 18.116695, -66.272880	
<b>TPID (Número de Catastro):</b> 322-017-268-97-000	
<b>Type of Undertaking:</b>	
<input type="checkbox"/> Substantial Repair	
<input checked="" type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b> c2005	<b>Property Size (acres):</b> 4.26


<b>SOI-Qualified Architect/Architectural Historian:</b> Maria F. Lopez Schmid
<b>Date Reviewed:</b> 1/16/2024
<b>SOI-Qualified Archaeologist:</b> Steven J. Sarich, MS, RPA
<b>Date Reviewed:</b> 1/18/2024

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 proposed project includes the purchase and installation of a new greenhouse. Land has been used for the past 20 years for the nursery of ornamental plants, currently with 4 greenhouses in use. Field is graded. The Scope of Work (SOW) for this project includes the purchase and installation of a 4,800 square foot (ft<sup>2</sup>) greenhouse at the coordinates 18.116695, -66.272880 for the production of ornamentals plants. The proposed greenhouse is a 150-foot (ft) x 32 ft metal structure with plastic and Saran plastic cover. The proposal includes the 8 NFT banks metal frame tables, 2,800 ft<sup>2</sup> each, and the irrigation piping system. The proposed location of the greenhouse is currently graded, with ground cover and in use for the nursery and storage of sun ornamental plants.

The proposed area for the location of the greenhouse has water connection in place. Additionally, the facilities have a reserve water tank of about 35,000 gallons. Electrical connection to the new greenhouse will be achieved via an underground electrical conduit from an existing electrical connection at an approximate distance of 100 ft. Electrical conduit trench will have an approximate depth of 3 ft. 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 and it is contained within the delimited Area of Potential Effect (APE). This APE has been extended to allow for electrical utility connection. The visual APE is the viewshed of the proposed project.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
<b>Subrecipient:</b> PUERTO FLORA GROWERS, INC	
<b>Case ID:</b> PR-RGRW-02203	<b>City:</b> Aibonito


### Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is located at 18.116934, -66.273046 (150ft x 32ft) and the visual APE is the viewshed of the proposed project. The APE to the northwest and southeast includes a 15-meter buffer to allow for variation in project activities, also is constrained to the northeast by site topography and to the southwest by an existing greenhouse.

### Identification of Historic Properties – Archaeology

Existing information on previously identified historic properties was reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61) shows that the project area has no previously identified archaeological sites within a 0.25-mile radius of the APE. No previously reported cultural resource studies have been conducted within a 0.25-mile radius of the project area. The landscape topography and soils are important when determining the probability of an archaeological site being found and the potential for site preservation in a given location. Seven soil units are mapped within the 0.25-mile radius of the APE, including one soil unit that directly intersects the APE. These soil units include Mucara clay, 12 to 20 percent slopes (MxD); Daguey clay, 12 to 20 percent slopes (DaD); Montegrande clay, 5 to 12 percent slopes (MtC); Rio Piedras clay, 40 to 60 percent slopes, eroded (RpF2); Caguabo clay loam, 40 to 60 percent slopes (CaF); and Aibonito clay, 20 to 40 percent slopes (AbE). The soil unit intersecting the APE is Aibonito clay, with 12 to 20 percent slopes (Abd). Aibonito soils can be very deep and are formed in residuum of eroded basic volcanic rock. These soils are described as extremely acidic, which can impact the preservation of certain classes of artifacts and archaeological features. The closest water source is an unnamed creek, tributary of the Aibonito River at 0.03 miles (5km) to the west. The overall topography of the 0.25-mile buffer ranges from moderate to very steeply sloped. However, the local topography of the APE is relatively flat, having been modified by prior mechanical grading. Given the steep slopes surrounding the APE, extreme acidity of the soil intersecting the APE, and shallow and surficial ground disturbances from prior landscape modification and current commercial land use, the potential for *in situ* archaeological sites is considered low.



<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: PUERTO FLORA GROWERS, INC</b>	
<b>Case ID: PR-RGRW-02203</b>	<b>City: Aibonito</b>

### 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 with mature vegetation to the south and west. The property lies south of Route PR-717 in a residential and agricultural area of Aibonito. A circa 2005 building that is the applicant's house, is located northwest of the APE geocoordinates. The house, shown below, appears on a 2006 aerial image, but not on a 2004 aerial image.



**Figures 1 & 2.** Detail of 2006 aerial image indicating the location of the building on the property and façade, view to the west.

The building is a one-story concrete house with slab on grade foundation and a hipped roof covered with ceramic roof tiles. The front metal and glass door is centered on the façade and a metal and glass louvered window is on the right side. A rectangular shaped gazebo is north of the house and made with wood frame and a hipped roof covered with ceramic roof tiles.

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


<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> PUERTO FLORA GROWERS, INC	
<b>Case ID:</b> PR-RGRW-02203	<b>City:</b> Aibonito

## 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 no previously identified historic properties are located within or adjacent to the proposed project Area of Potential Effect. Given the steep slopes in the area, extreme acidity of the soil, and shallow and surficial ground disturbances from prior landscape modification and current commercial land use, the potential for *in situ* archaeological sites is considered low. There are no NRHP-listed historic properties within the quarter mile buffer zone from the APE. The house adjacent to the APE is modern, and it does not meet the requirements to be eligible for listing on the National Register of Historic Places. Therefore, no historic properties will be affected by the proposed project.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REgROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
<b>Subrecipient:</b> PUERTO FLORA GROWERS, INC	
<b>Case ID:</b> PR-RGRW-02203	<b>City:</b> Aibonito

**Recommendation**

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

- No Historic Properties Affected
- No Adverse Effect  
     Condition (if applicable):
- Adverse Effect  
     Proposed Resolution (if applicable):

**This Section is to be Completed by SHPO Staff Only**

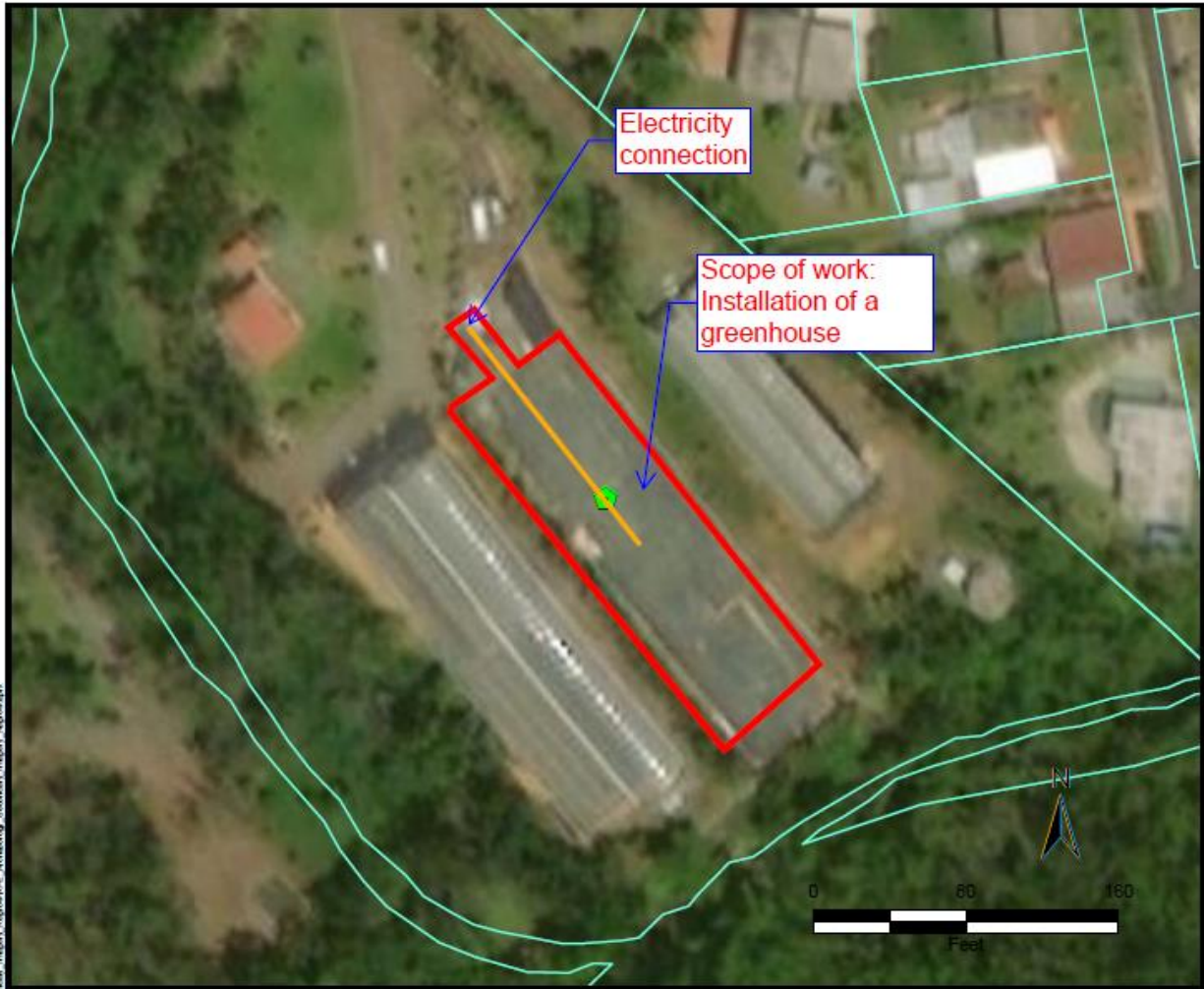
The Puerto Rico State Historic Preservation Office has reviewed the above information and:  <input type="checkbox"/> <b>Concurs</b> with the information provided. <input type="checkbox"/> <b>Does not concur</b> with the information provided.	
<b>Comments:</b>          	
Carlos Rubio-Cancela State Historic Preservation Officer	<b>Date:</b>

Subrecipient: PUERTO FLORA GROWERS, INC

Case ID: PR-RGRW-02203

City: Aibonito

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







Source: CRIM

Author: TG

Date: 11/29/2023

Legend

-  Tier 2 Site
-  Area of Potential Effect
-  Parcelario
-  Electricity connection

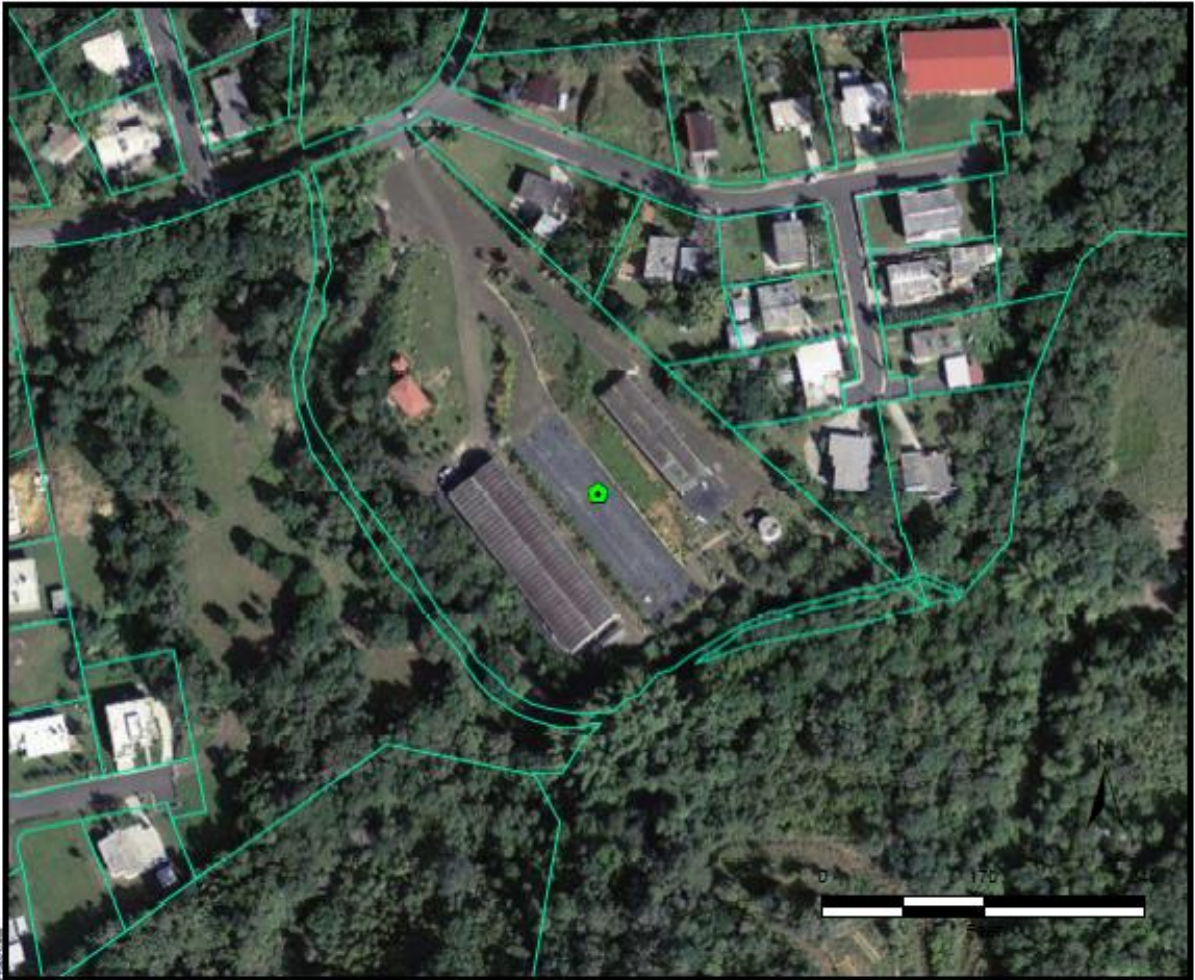


Subrecipient: PUERTO FLORA GROWERS, INC

Case ID: PR-RGRW-02203

City: Aibonito


### Project (Parcel) Location - Aerial Map



**TETRA TECH**

Source: CRIM

**Legend**

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



Author: TG

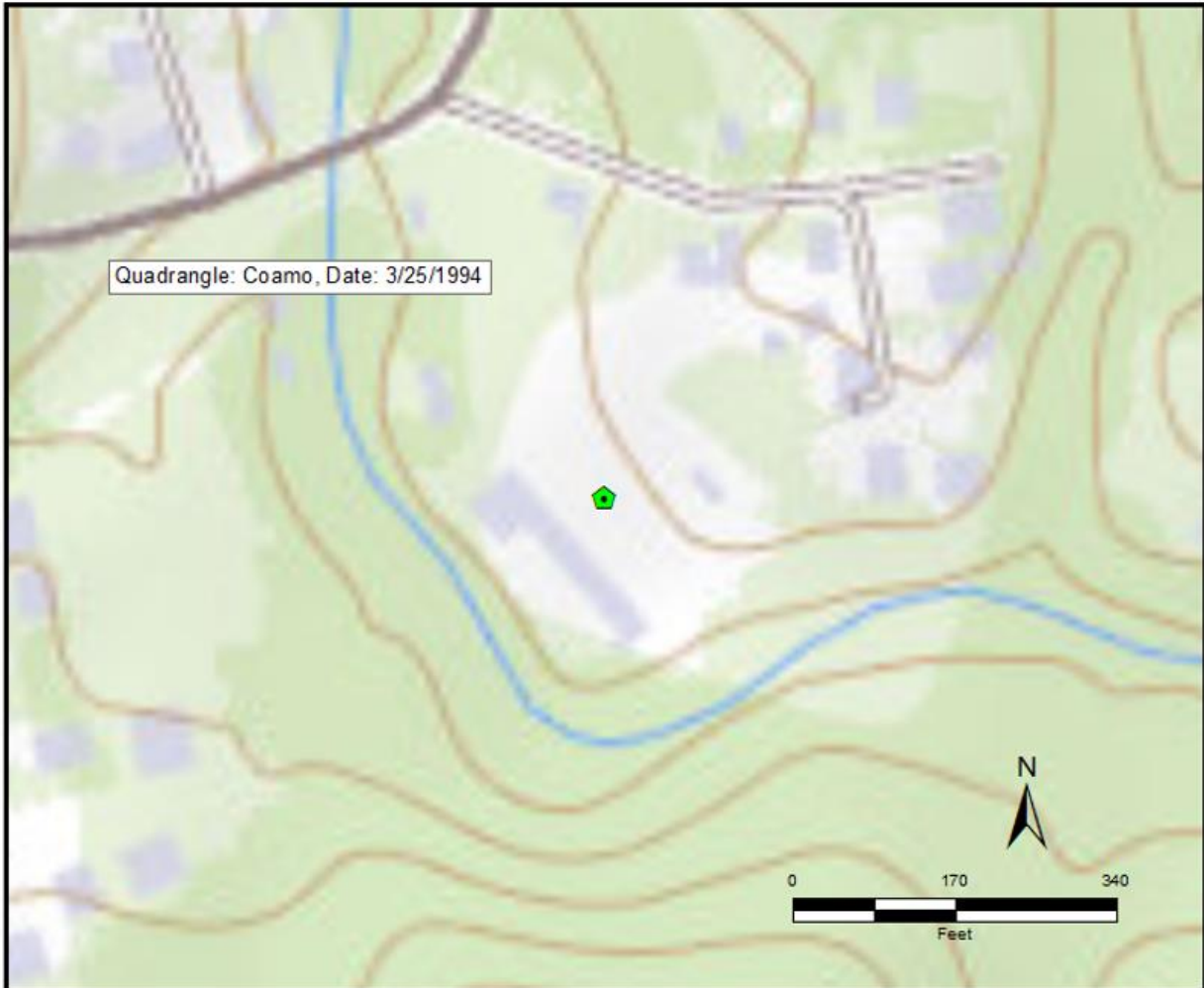
Date: 9/22/2022

Subrecipient: PUERTO FLORA GROWERS, INC

Case ID: PR-RGRW-02203

City: Aibonito

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







Source: USGS

Author: TG

Date: 9/19/2023

#### Legend

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



### Project (Parcel) Location – Soils Map



PR-RGRW-02203-106-NHPA-EFFECT-DETERMINATION-Soils-Map-Parcel-Location-Map



**TETRA TECH**

Source: USDA

Author: TG

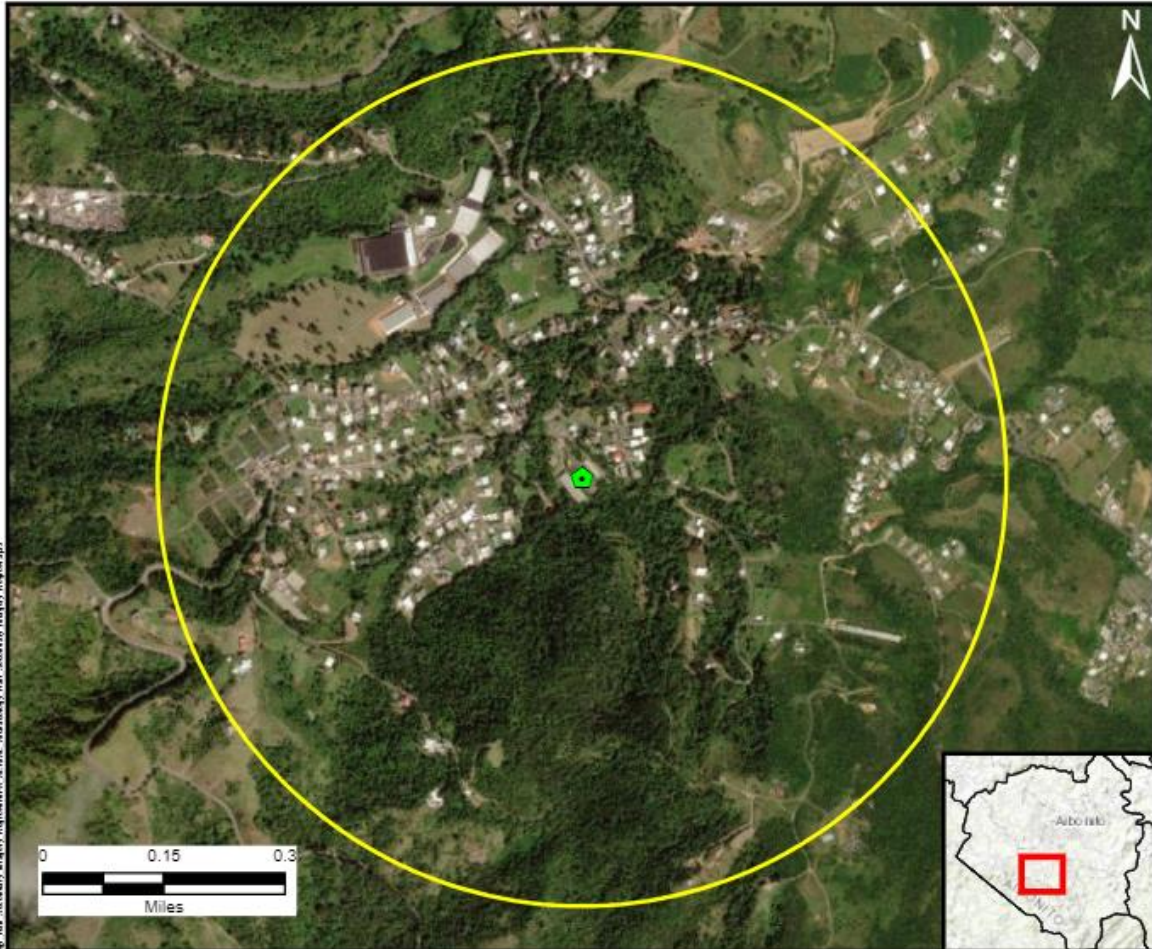
Date: 11/27/2023

Legend	
	Tier 2 Site
	Parcelario
Soil Type	
	UDB Aibonito clay, 12 to 20 percent slopes
	UDB Aibonito clay, 20 to 40 percent slopes
	CaF Caguayo clay loam, 40 to 90 percent slopes
	DaD Caguayo clay, 12 to 20 percent slopes
	MtC Monte grande clay, 2 to 12 percent slopes
	MtD Mucaro clay, 12 to 20 percent slopes
	RpF2 Rio Piedras clay, 40 to 60 percent slopes, eroded





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



<p><b>TETRA TECH</b> Source: National Park Service</p>	<p>Legend</p> <ul style="list-style-type: none"> <li> Tier 2 Site</li> <li> Half Mile Buffer</li> <li> Historic Comunidades</li> <li> Traditional Urban Centers</li> <li> Cultural Resource District Polygon</li> </ul>	
	<p>Author: TG</p>	<p>Date: 11/16/2023</p>

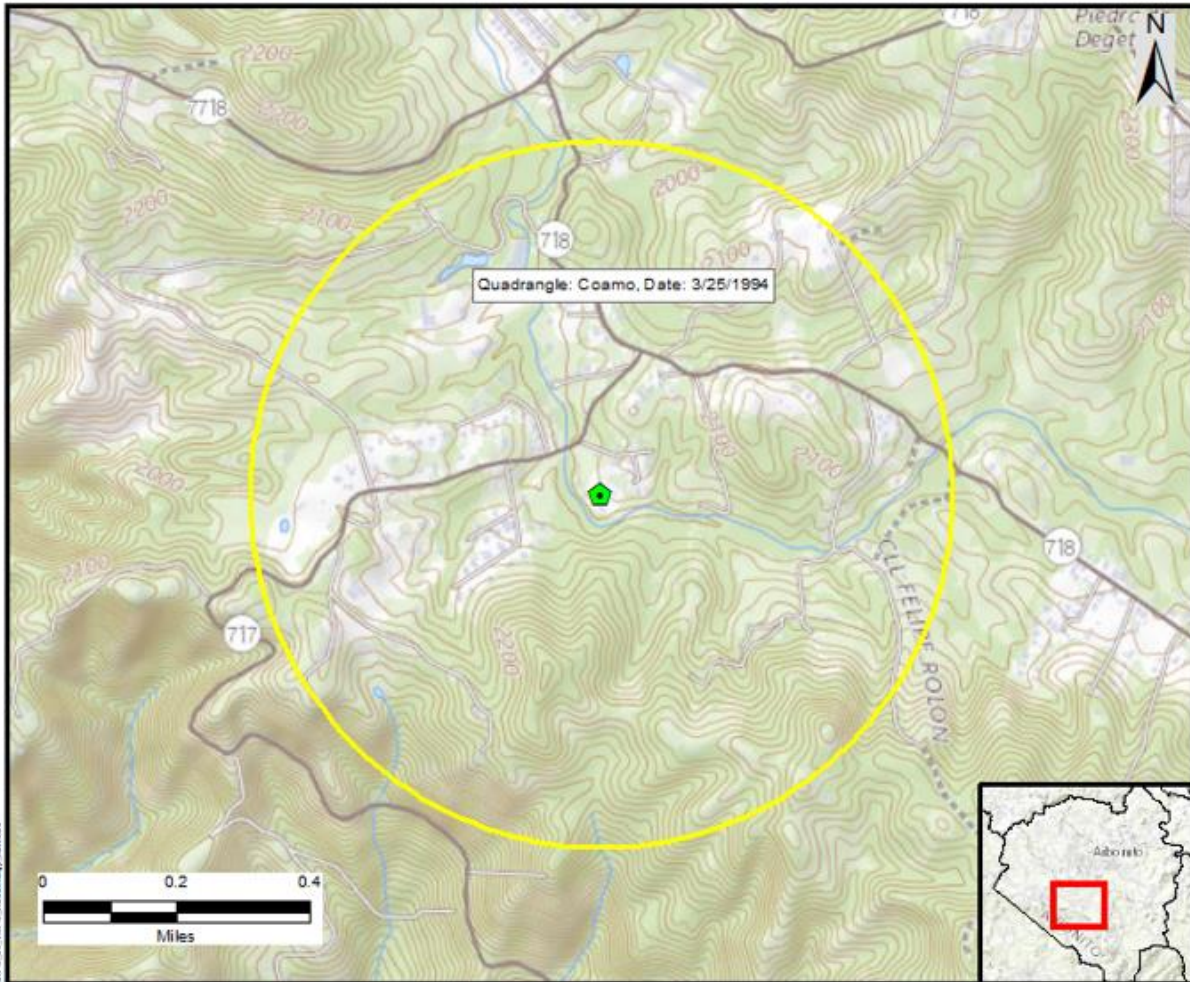


Subrecipient: PUERTO FLORA GROWERS, INC

Case ID: PR-RGRW-02203

City: Aibonito

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



Source: National Park Service

Author: TG

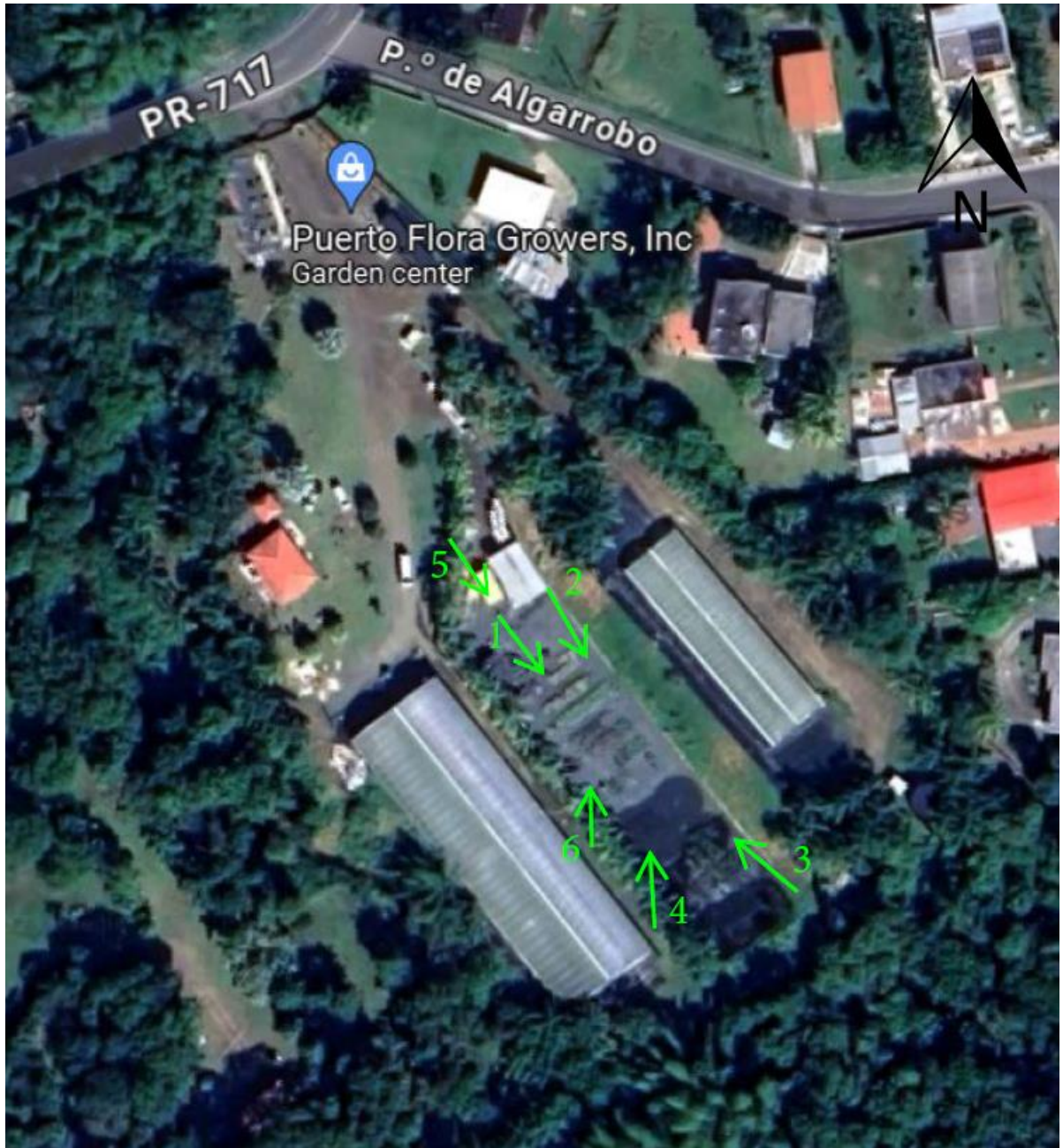
Date: 7/21/2023

Subrecipient: PUERTO FLORA GROWERS, INC

Case ID: PR-RGRW-02203

City: Aibonito

### Photograph Key



**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM**

**REGROW PUERTO RICO PROGRAM**

**Section 106 NHPA Effect Determination**



**Subrecipient:** PUERTO FLORA GROWERS, INC

**Case ID:** PR-RGRW-02203

**City:** Aibonito

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Subrecipient: PUERTO FLORA GROWERS, INC

Case ID: PR-RGRW-02203

City: Aibonito



Photo #: 1

Description (include direction): Scope of work: installation of a greenhouse, view to the southeast.

Date: 12/19/2023



Photo #: 2

Description (include direction): Scope of work: installation of a greenhouse, view to the southeast.

Date: 12/19/2023

Subrecipient: PUERTO FLORA GROWERS, INC

Case ID: PR-RGRW-02203

City: Aibonito



Photo #: 3

Description (include direction): Scope of work: installation of a greenhouse, view to the northwest.

Date: 12/19/2023



Photo #: 4

Description (include direction): Scope of work: installation of a greenhouse, view to the north.

Date: 12/19/2023

Subrecipient: PUERTO FLORA GROWERS, INC

Case ID: PR-RGRW-02203

City: Aibonito



Photo #: 5

Date: 12/19/2023

Description (include direction): Electric connections for the proposed greenhouse, view to the southeast.



Photo #: 6

Date: 12/19/2023

Description (include direction): Water installation exists for the proposed greenhouse, view to the north.



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,

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT