

# Environmental Assessment

## Determinations and Compliance Findings for HUD-assisted Projects

### 24 CFR Part 58

#### **Project Information**

**Project ID:** PR-RGRW-00702

**Project Name:** ZAYAs farm

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

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

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

**Preparer:** Clifford Jarman

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

**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 261.48-acre site located at Carr 771 km 4.3, Barrio Barrancas Sector Los Cacho in the Municipality of Barranquitas, Puerto Rico (Parcel ID# 247-00-001-42). The coordinates of the project parcel are 18.207865, -66.305418.

The land is currently a recao planation. Originally there were 25 greenhouses on the parcel, one no longer exists and the others need repairs.

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

The proposed project areas total approximately 1.23 acres. The proposed use of grant funds is for the repair of 24 existing damaged greenhouses on two different terraces and the purchase and installation of 2 new greenhouses in a third area.

Scope of Work 1 involves the repair of 15 damaged greenhouses in Area A, and 9 damaged greenhouses in Area B. No demolition is required, and the foundation of the greenhouses will remain the same. Area A is 270-foot by 70-foot located on the western side of the parcel at coordinates 18.207862, -66.305418. Area B is 170-foot by 70-foot area, located to the east of Area A at coordinates 18.208010, -66.3057397.

Scope of Work 2 involves the construction of 2 new greenhouses with a footprint of 100-feet by 20-feet would be constructed in a 120-foot by 30-foot area located to the southeast of Area A at coordinates 18.207387, -66.305368.

All the existing damaged greenhouses are made of metal with Saran shade net. The new greenhouses would also be constructed out of metal with Saran shade net. All the greenhouses would be used for recajo production.

The project site for the new greenhouses was graded when the original greenhouses were constructed before the hurricane.

The parcel has its own water well with existing connections to the damaged greenhouses. The new greenhouse would be connected to the existing water connection in Area A with above ground PVC tubing. The damaged greenhouses have existing power connections. No new electric power connection is planned for the new greenhouses. If power was desired in the future, the interconnection would be through an overhead line from Area A.

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. The repair of damaged greenhouses and the construction of two new greenhouses is in keeping with the overall objectives of the Economic Development Program.

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

The land proposed for the installation of the two new greenhouses are next to the existing greenhouses. 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, B-18-DP-72-0001, B-19-DP-78-0002, B-18-DE-72-0001	Community Development Block Grant – Disaster Recovery (CDBG-DR), CDBG-DR, Re-Grow Puerto Rico Urban-Rural Agricultural Program	\$11,938,162,230

**Estimated Total HUD Funded Amount:** \$97,820

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$97,820

**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 repair of 24 greenhouses and the construction of two new greenhouses. The nearest civil airport is approximately 113,158 feet from the proposed site. The nearest military airport is approximately 130,087 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 central Puerto Rico. The distance to the nearest CBRS unit is 84,271 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 not located in a 100-year floodplain per Floodplain Insurance Map 72000C1160H, 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>

<p><b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</b></p>		
<p><b>Clean Air</b></p> <p>Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a county or air quality management district that is in attainment status or non-attainment status for any criteria pollutants. The Municipio of Barranquitas is not listed in the EPA Green Book "Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants" (See list in Appendix C). The construction of two new greenhouses 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 80,203 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 was conducted on May 15, 2023. The remaining structures of the damaged greenhouses were present. No debris or rubbish or visible signs vegetative stress, contamination, or toxic substances were noted at the project site.</p> <p>Site contamination was evaluated through online data searches to determine if toxic sites are</p>

		<p>located within 3,000-feet of the proposed project.</p> <p>The Santini Octavio, 2,024 feet to the southwest of the project site, is a RCRA listed site. As a RCRA site it is considered inactive with no violations over the last 3 years. With these conditions and the distance, there would not be any impacts to the project site.</p> <p>The project consists of the repair of 24 greenhouses and the construction of two new greenhouses. Refer to Figures 8 and 9 in <b>Appendix B</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 will have No Effect on listed species.</p> <p>According to EPA NEPAAssist Enviromapper, the nearest critical or proposed critical habitat is 60,642 feet to the northwest of the project location. The Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website lists the Puerto Rican Boa as being able to be found in the area, but there are no critical habitats for them at this location.</p> <p>A site-specific review of endangered species was conducted in accordance with the Fish and Wildlife Act (47 Stat. 401, as amended: 16 U.S.C. 661 et seq (See <b>Appendix D</b>).</p> <p>The proposed project will have no potential to affect species or habitats due to the agricultural nature of the activities involved in the project. The repair of the damaged greenhouses and the construction of the two new greenhouses would be located in an area that has been used for agricultural purposes.</p> <p>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,</p>

		<p>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 USFW Puerto Rican Boa Conservation Measures guidelines.</p> <p>Refer to Figures 10 and 11 in <b>Appendix B</b> and IPaC report 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 site is designated as farmland of statewide importance. The project consists of the repair of 24 greenhouses and the construction of two new greenhouses. The project does not include any activities that could potentially convert agricultural land to nonagricultural use. Although the project includes new construction, the project is exempt from review under the Farmland Protection Policy Act (FFPA) as the project is limited to construction of on-farm structures needed for farm operations. No further review is required.</p> <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 72000C1160H, effective date April 19, 2005. The project site is not located in Preliminary Firm or an Advisory Base Flood Elevation (ABFE) special flood hazard area. See Figures 4, 5 and 6 in <b>Appendix B</b>. This project is in compliance with Executive Order 11988</p>
<p><b>Historic Preservation</b></p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The site was evaluated on June 22, 2023, by an SOI Qualified Archaeologist. Documentation with maps was subsequently submitted to SHPO on</p>

<p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>		<p>July 28, 2023 (<b>Appendix E</b>). SHPO concurred with a finding of <b>No Historic Properties Affected</b> within the project's Area of Potential on Effects on August 9, 2023. Refer to Figure 13 in <b>Appendix B</b> and the report 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  <input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>HUD's noise regulations protect residential properties from excessive noise exposure. The project consists of the repair of 24 greenhouses and the construction of two new greenhouses. HUD noise regulations do not apply as the project does not include new construction for residential use or rehabilitation of an existing residential property. The proposed project is in compliance with Noise Abatement and Control.</p>
<p><b>Sole Source Aquifers</b></p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes    No  <input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>There are no EPA sole source aquifers in Puerto Rico. The project is in compliance with Sole Source Aquifer requirements.</p>
<p><b>Wetlands Protection</b></p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes    No  <input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The NWI maps show no wetlands on the or adjacent to the project site. This project does not impact any on or off-site wetlands and includes no activities that would require further evaluation under this section.</p> <p>The project is in compliance with Executive Order 11990. Refer to Figure 14 in <b>Appendix B</b>.</p>
<p><b>Wild and Scenic Rivers</b></p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes    No  <input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>This project is not within proximity of a National Wild and Scenic River (WSR). The distance to the nearest WSR is approximately 180,037 feet. The project is in compliance with the Wild and Scenic Rivers Act. Refer to Figure 15 in <b>Appendix B</b>.</p>

<p><b>ENVIRONMENTAL JUSTICE</b></p>		
<p><b>Environmental Justice</b></p> <p>Executive Order 12898</p>	<p>Yes    No  <input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>No adverse environmental impacts were identified in any other compliance review portion of this project that may disproportionately be high for low-income</p>

		and/or minority communities. Therefore, this topic complies with Executive Order 12898.
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**Environmental Assessment Factors** [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features, and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable, and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>LAND DEVELOPMENT</b>		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The proposed project is located on a private farm. The project consists of the repair of 24 greenhouses and the construction of two new greenhouses. The project site is zoned Agricola Productivo. The proposed action is compliant with the current agricultural land use of the Project area.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The proposed project is located in in a rural, mountainous terrain with mature vegetation surrounding the hoop greenhouses on the property. Soils in the proposed project area are classified as mostly Humatas Clay (HtE and HtF) with 20 to 60 percent slopes.

		<p>Projects larger than 1 acre must comply with the CWA and develop a SWPPP with the NPDES. The proposed project area is approximately 1 acre.</p> <p>The project site is already graded and developed with greenhouses at sites A and B. The area of Scope of Work 2 is already graded.</p> <p>The project site area is rated “low” to “high” for landslide susceptibility (see Figure 16 in <b>Appendix B</b>). The proposed location of the new greenhouses was evenly graded during the construction of the existing greenhouses that were constructed before the hurricane.</p> <p>Standard construction BMPs would be used to control erosion and runoff during construction. There will be little to no additional runoff associated with the project.</p>
Hazards and Nuisances including Site Safety and Noise	2	<p>During implementation of the project, construction activities may result in temporary elevation of ambient noise levels in immediate areas around active construction areas. The only nearby receptors are the residents of the farm.</p> <p>There is no access to the project area by the public. Standard BMPs, such as construction fencing, would be applied to protect the farm residents and public from typical construction hazards.</p>
Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>SOCIOECONOMIC</b>		
Employment and Income Patterns	2	<p>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 proposed project would not result in demographic character changes or displacement. Given the nature of the project area, no relocations or demolition of residential structures or businesses would occur as part of this project.</p>
Environmental Justice	1	<p>In the area (one mile radius) in which project will occur.</p> <p>100% are people of color compared to PR average of 96%</p>

		<p>71% are low income compared to PR average of 70%</p> <p>12% are unemployed compared to PR average of 15%</p> <p>The proposed repair of 24 greenhouses and the construction of two new greenhouses will result in restoration and increase in income and potential employment opportunities in the local area. The impacts would be beneficial.</p> <p>See EJSscreen Report in <b>Appendix C</b></p>
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Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>COMMUNITY FACILITIES AND SERVICES</b>		
Educational and Cultural Facilities	2	The project would not result in any change to regional or local area educational and cultural facilities or increase demand for them.
Commercial Facilities	2	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	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	Waste vegetation from clearing activities will either be composted on site or at regional composting centers. 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 from the new greenhouses would be agricultural and would be biodegradable. Any non-biodegradable operations waste materials would be collected for transport to the local landfill.
Wastewater / Sanitary Sewers	2	The proposed project would not include any bathrooms, wastewater, or sewage facilities. Current farm conditions would remain unchanged.

Water Supply	2	Applicant has access to a water supply from a well on the property. The damaged 24 greenhouses had associated water use. This water will now be used in the new greenhouses. The proposed project will have minor impact on water usage.
Public Safety – Police, Fire and Emergency Medical	2	The proposed project would not create any new demand for emergency or health services.
Parks, Open Space and Recreation	2	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 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 proposed project will be situated on land previously used for agriculture and will have no impact to unique natural features or water resources.
Vegetation, Wildlife	2	The proposed project will occur on land previously used for agricultural purposes and will continue in that capacity. The proposed project will have no impact on vegetation and wildlife.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>CLIMATE AND ENERGY</b>		
Climate Change Impacts	2	<p>This is a small project with no measurable impact on climate change factors.</p> <p>With respect to climate change impact on the project, agricultural activities could be affected by drought.</p>
Energy Efficiency/Energy Consumption	2	<p>The project site already has electric power connections. The greenhouses to be repaired already have power connections. The new greenhouses are not currently planned to use power. There would be no change in energy demand from before the storm in the area.</p> <p>If power for the new greenhouses was desired in the future, they would be connected through the existing connections in Area A.</p> <p>The new greenhouses will be sited next to the existing greenhouses to be repaired an area already developed with existing water connections. Site planning involved consideration of available land, proximity to existing resources to reduce travel, existing utility connection, and slope. These sites have clear lines for maximum use of sunlight.</p>

**Additional Studies Performed:** None required.

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

Site inspection was conducted on May 15, 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/npas/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf](http://www.faa.gov/airports/planning_capacity/npas/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf)

John H. Chafee Coastal Barrier Resources System, Puerto Rico [map](#).

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

National 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 required.

#### **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 includes a FONSI / NOI-RROF in compliance with NEPA regulations for HUD.

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

In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the proposed project. The growth of agricultural products at the farm would not increase. The project would allow the resumption of the growth of agricultural products. Water use would increase to a minor degree in the two new greenhouses but

would only impact the existing site water supply. There are no other wells nearby to be affected.

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

The RGRW Program's goal is to increase agricultural capacity while promoting and increasing food security island-wide. This Program seeks to enhance and expand agricultural production related to economic revitalization and sustainable development activities. The applicant submitted a proposal to enhance and expand agricultural production on their property. The proposed use of grant funds will allow the applicant to expand the cultivation, processing, and delivery of agricultural products through the repair of the 24 existing greenhouses and the construction of two new greenhouses. Any alternative that would involve an off-property location would not enhance and expand agricultural production or allow for the economic development for this applicant. The actions are proposed in an area already developed with existing greenhouses with existing water connections. Alternative locations on the property would require new development and would be farther from the existing water connections.

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

Under the No Action Alternative, the applicant would not receive federal funding for the repair of the 24 existing greenhouses and the construction of two new greenhouses 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, 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.

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

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development

agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Stormwater Runoff	The proposed project may require the development of a SWPPP with the NPDES to comply with the CWA.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Standard construction BMPs would be used to control erosion and runoff during construction.

**Determination:**

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

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

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

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

Preparer Signature:  Date: 01/10/24

Name/Title/Organization: Clifford Jarman, Senior Environmental Scientist, Tetra Tech Inc.

Certifying Officer Signature:  Date: February 1, 2024

Name/Title: Sally Z. Acevedo Cosme- 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

## Environmental Field Observation - Puerto Rico Department of Housing

APPLICANT INFORMATION			
Application ID	PR-RGRW-00702		
Applicant Name	ZAYAs farm		
Property Address	Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho		
Parcel ID	----		
Coordinates	18.207865, -66.305418		
Inspector Name	Carlos O. Medina		
Inspection Date	05/15/2023		
Building Type	Pipe Metal Frame		
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
<b>A. Is the structure in use?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Only 2 greenhouse in use for Recao production.
<b>B. Is structure a greenhouse?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	24 existing greenhouse structure in metal and Saran shade net.
<b>C. Is Electricity connected?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Farm with power connected
<b>D. Is water connected?</b> (Utilities or Well)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Farm with water connection from a water well.
<b>1. Are there signs of 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"/>	
<b>2. Are there any 55-gallon drums</b> visible on site? If yes, are they leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>3. Are there any (or signs of any) underground storage tanks</b> on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>4. Are there signs of ASTs</b> on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>5. Is there any stained soil or pavement</b> on the parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>6. Is a water drainage system</b> in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>7. Is a warehouse in use for storage of Fertilizer or Pesticides?</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>8. Are there any groundwater monitoring wells</b> on the site or adjacent parcel?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Farm with water connection from a water well.
<b>9. Is there evidence of a faulty septic system?</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>10. Is there distressed vegetation</b> on the parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>11. Is there any visible indication of MOLD?</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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

Additional Notes:

Re Grow Additional Notes:  
Case: PR-RGRW-00702  
Project Name: ZAYAs Farm  
Coordinates: 18.207865, -66.305657

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

Scope of Work: Repair of 25 greenhouses and purchase and installation of 2 new greenhouses.

Land current in use for: Recao plantations in 2 greenhouse

Past Land use was: plantains

The applicant plans to do: Repair of 25 greenhouses and purchase and installation of 2 new greenhouses. One of the previous 25 greenhouse not existed.

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

Scope of work 1: 18.207862, -66.305418, 18.208010, -66.3057397

Repair of 24 standing damages greenhouses in two different terraces. These 24 greenhouses are constructed with metal tubes and Saran shade net. One of the original 25 greenhouse not existed.

Two terraces:

Terrace A: approximately 270' x 70' at 18.207862, -66.305418, in this terrace they are 15 greenhouse in metal and Saran shade net, that need repairs for recao production.

Terrace B: approximately 170' x 70' at 18.208010, -66.3057397, in this terrace they are 9 greenhouse in metal and Saran shade net, that need repairs for recao production.

Scope of work 2: 18.207387, -66.305368

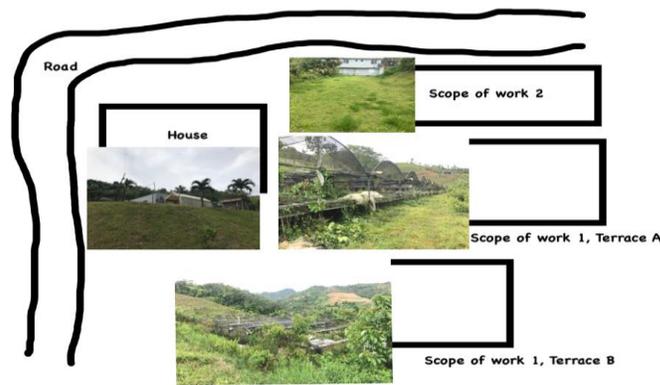
Construction of 2 new greenhouse with a footprint of 100' x 20' in an available terrace with a footprint approximately of 120' x 30'. The construction of the greenhouse will be in metal and Saran shade net.

Any new water connection or power connection?

Water, No new water connection needed, parcel with an own water well. For the new greenhouse water will be provide with PVC tube overground from the existing connection in Terrace A.

Power: No new power connection needed, the farm already have power. In case the new greenhouse need power, the power will be supplied aerial from the existing connection in Terrace A.

### Site Sketch



**Front of Structure**

Photo Direction: Southeast



**Facing Away From Front**

Photo Direction: Northwest



**Side #1 of Structure**

Photo Direction: Southeast



**Facing Away From Side #1**

Photo Direction: Northwest



**Back of Structure**

Photo Direction: Northwest



**Facing Away From Back**

Photo Direction: Southeast



**Side #2 of Structure**

Photo Direction: Northeast



**Facing Away From Side #2**

Photo Direction: Southwest



**Streetscape #1**

Photo Direction: North



**Streetscape #2**

Photo Direction: South



**Address**

Photo Direction: Southwest



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: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

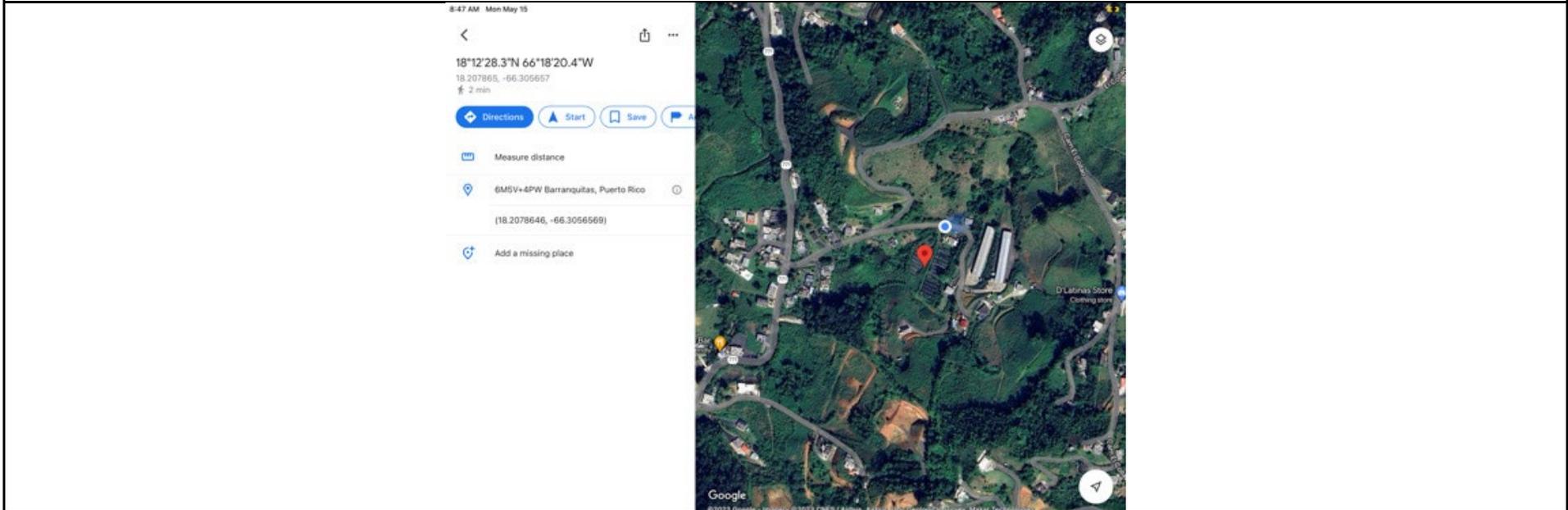
Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structure Occupied

Photo Description: 2 greenhouse in use

Photo Direction: Northwest



Greenhouse Photos

Photo Description: Greenhouse

Photo Direction: Northwest



Electricity Connected

Photo Description: Power connected

Photo Direction: Northeast



Water Connected

Photo Description: Water connection

Photo Direction: Northeast



**Groundwater Monitoring Well**

Photo Description: Water well

Photo Direction: Northeast



**Scope Of Work**

Photo Description: Scope of work 1: repair of greenhouses

Photo Direction: Southeast



**Scope Of Work**

Photo Description: Scope of work 1: repair of greenhouses

Photo Direction: Northeast



**Scope Of Work**

Photo Description: Scope of work 1: repair of greenhouses

Photo Direction: West



**Scope Of Work**

Photo Description: Scope of work 1: repair of greenhouses

Photo Direction: West



**Scope Of Work**

Photo Description: Scope of work 2: new greenhouse construction

Photo Direction: Northeast



**Scope Of Work**

Photo Description: Scope of work 2: new greenhouse construction

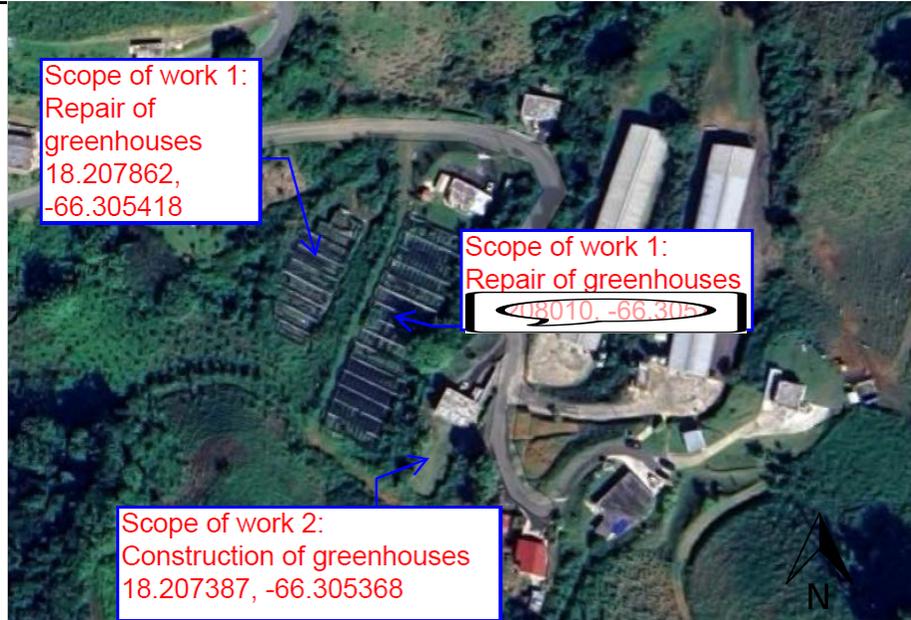
Photo Direction: Southwest



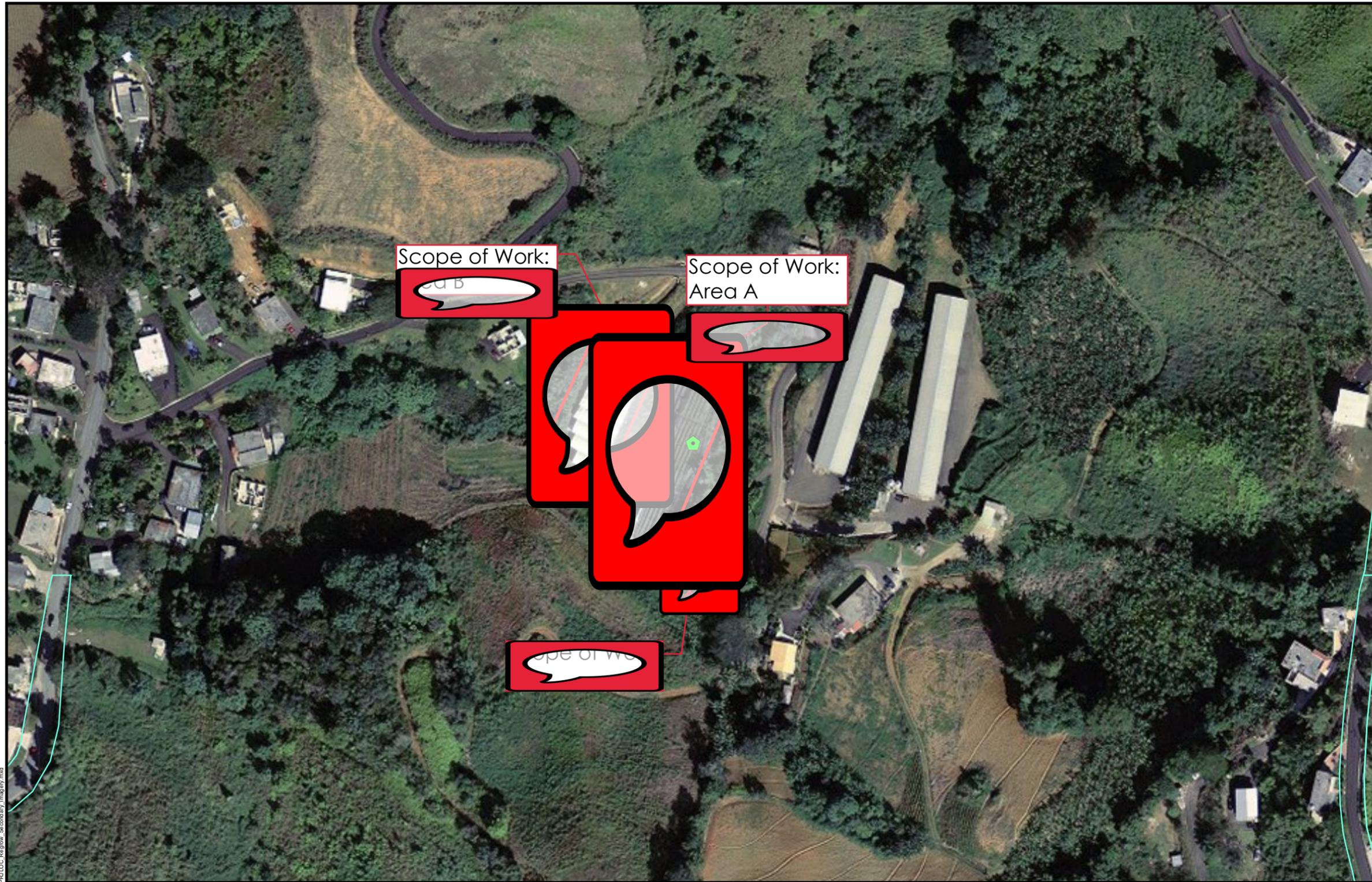
Scope Of Work

Photo Description: Scope of work map reference

Photo Direction: North



# Appendix B



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

**PUERTO RICO**



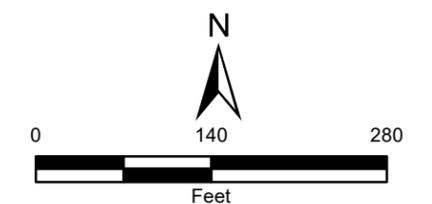
**Figure 1: PROJECT LOCATION**

**APPLICANT ID: PR-RGRW-00702**

**ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794**

Name of Development: ZAYAs farm

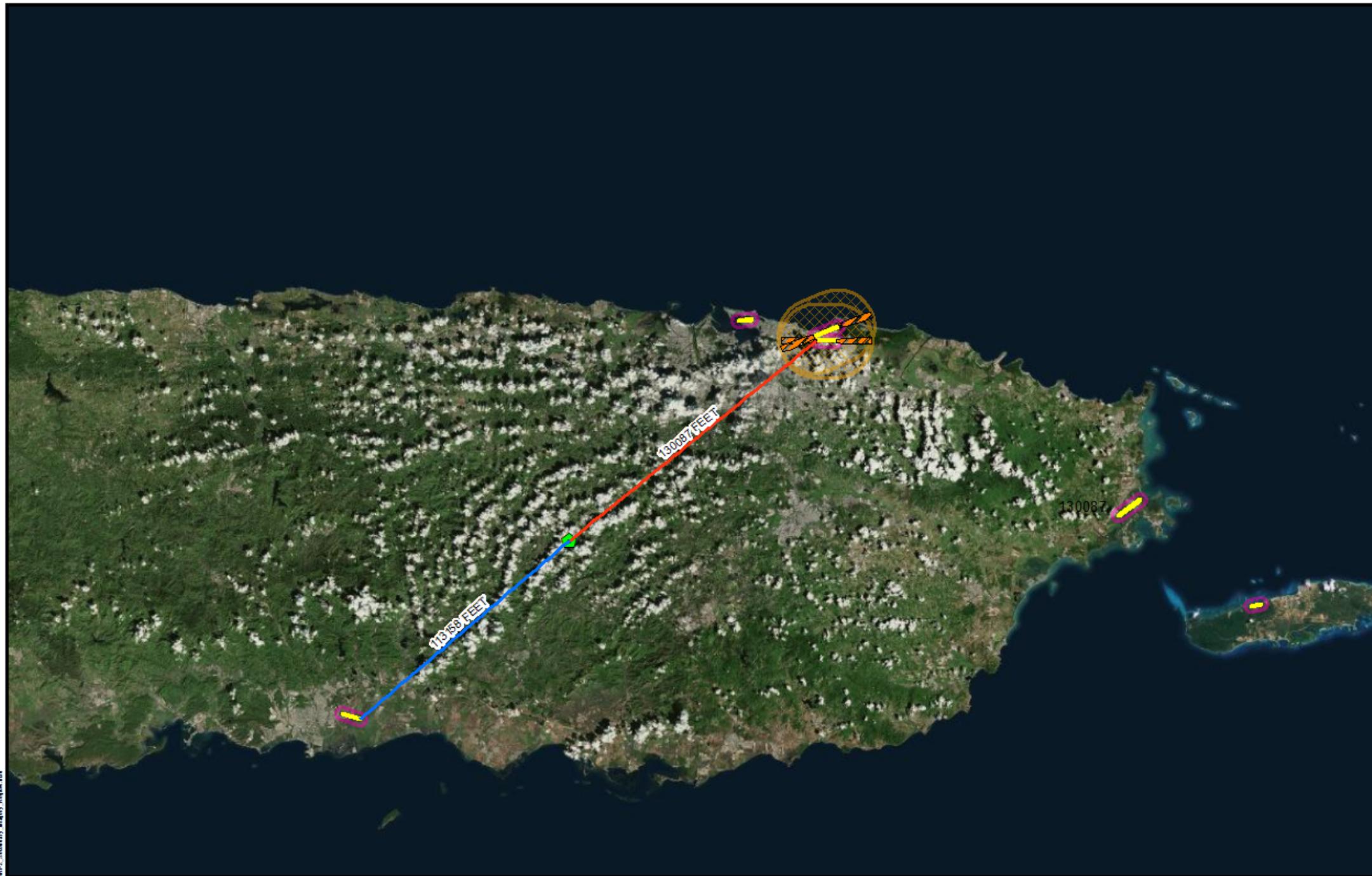
Parcel Coordinates: 18.207862 , -66.305418



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

Author: TG Date: 6/6/2023

File Path: \\esl1026\gis\CDR\PR\CDC\Share\TDR\atlus\USPR\PR\LOC\_Review\_Secondary\_imagery.mxd



**Legend**

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

**Distance to Nearest Airport  
in Feet: 113158 FEET**

**PUERTO RICO**



**Figure 2: AIRPORT ZONES  
APPLICANT ID: PR-RGRW-00702**

ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794

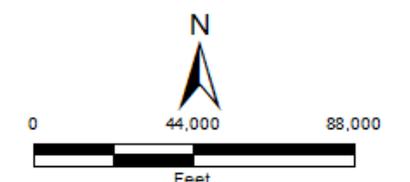
Name of Development: ZAYAs farm

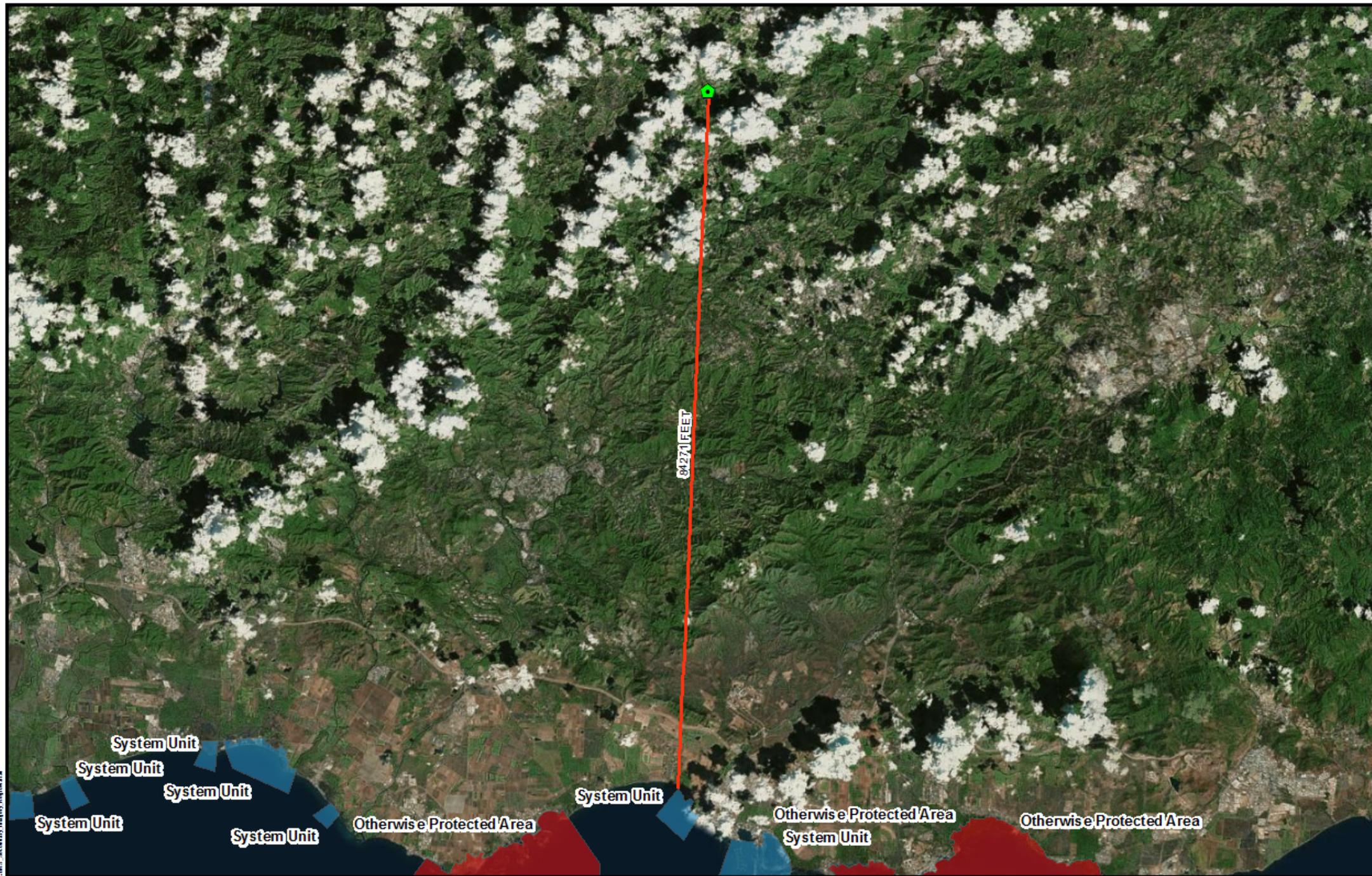
Parcel Coordinates: 18.207862, -66.305418



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

Author: TG Date: 6/2/2023





**Legend**

Project Parcel

**Coastal Barrier Resources System Unit Type**

Otherwise Protected

System Unit

Distance to Nearest Coastal Barrier Resources System in Feet: 84271 FEET

**PUERTO RICO**



**Figure 3: COASTAL BARRIERS IMPROVEMENT ACT  
APPLICANT ID: PR-RGRW-00702**

ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794

Name of Development: ZAYAs farm

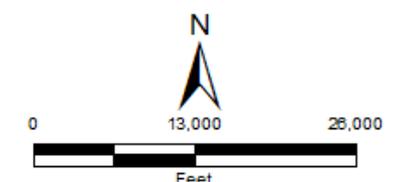
Parcel Coordinates: 18.207862, -66.305418



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

Author: TG

Date: 6/5/2023





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

**PUERTO RICO**



**Figure 4: FLOODPLAIN MANAGEMENT  
APPLICANT ID: PR-RGRW-00702**

**ADDRESS:** Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, PR 00794

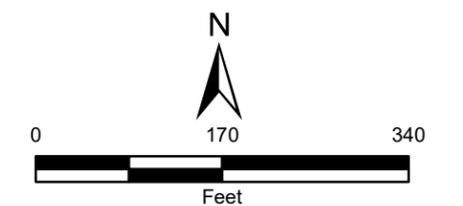
Name of Development: Sombra Vida Inc

Parcel Coordinates: 18.207862, -66.305418



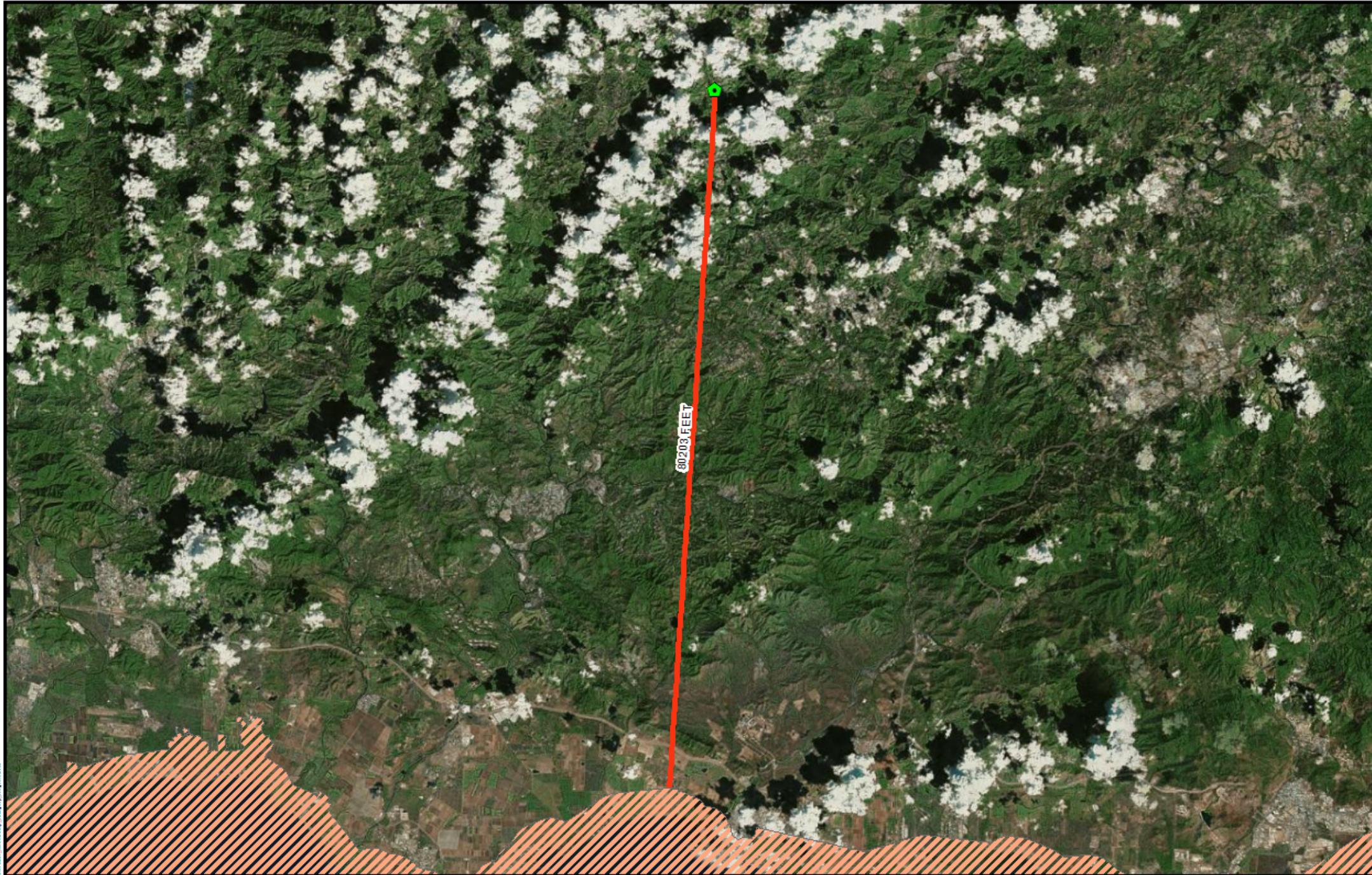
Source: FEMA  
<https://msc.fema.gov>

Author: TG Date: 10/31/2023









**Legend**

-  Project Parcel
-  Coastal Zone Management Boundary

Distance to Nearest Coastal Zone: 80203 FEET

**PUERTO RICO**



**Figure 7: COASTAL ZONE MANAGEMENT**

**APPLICANT ID:PR-RGRW-00702**

ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794

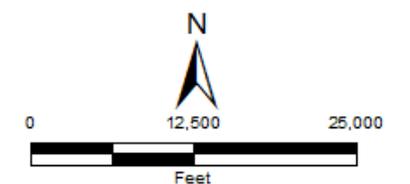
Name of Development: ZAYAs farm

Parcel Coordinates: 18.207862, -66.305418



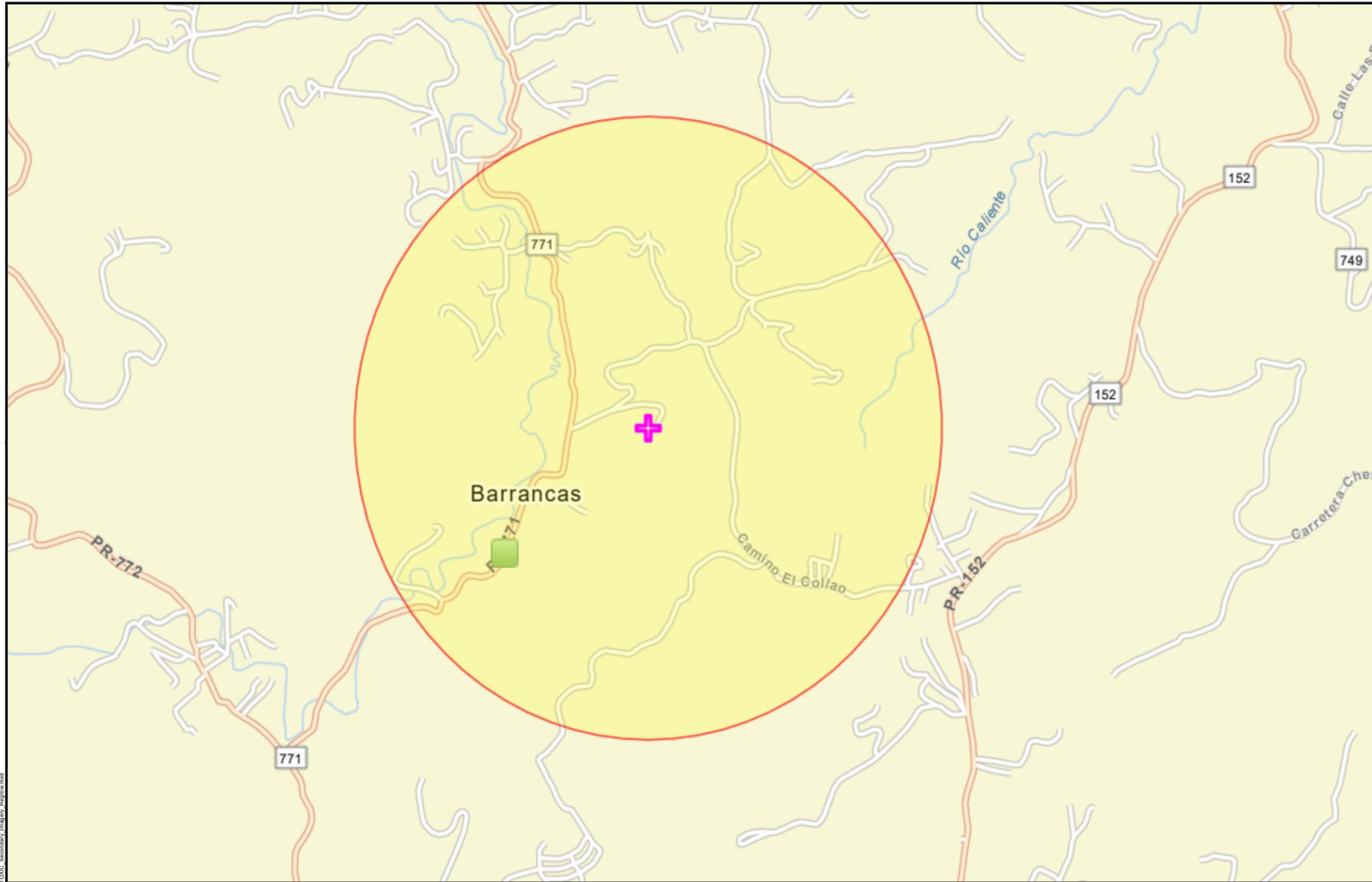
Source: NOAA's Ocean Service  
<https://data.noaa.gov>

Author: TG Date: 6/5/2023



The data, information, and materials are provided as is without warranty of any kind, either expressed or implied, including but not limited to the accuracy, completeness, and availability of the data. The user assumes all liability for any use of the data.





**Legend**

- Superfund (NPL)
- Toxic Substances Control Act (TSCA)
- Toxic Releases (TRI)
- Brownfields (ACRES)
- Hazardous Waste (RCRAInfo)

**PUERTO RICO**



**Figure 9: NEPA Assist Map**

**APPLICANT ID: PR-RGRW-00702**

ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794

Name of Development: ZAYAs farm

Parcel Coordinates: 18.207862 , -66.305418

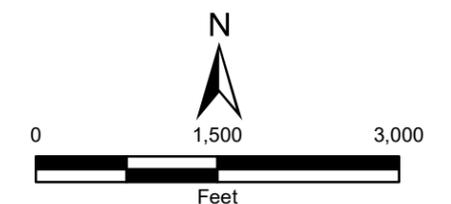


Source: E.P.A.

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

Author: JB/AK

Date: 5/18/2023





Legend  
Project Parcel

### PUERTO RICO



## Figure 10: ENDANGERED SPECIES ACT APPLICANT ID: PR-RGRW-00702

ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794

Name of Development: ZAYAs farm

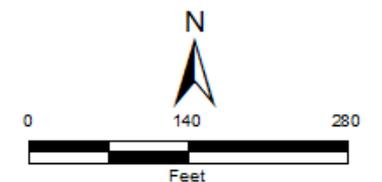
Parcel Coordinates: 18.207862, -66.305418

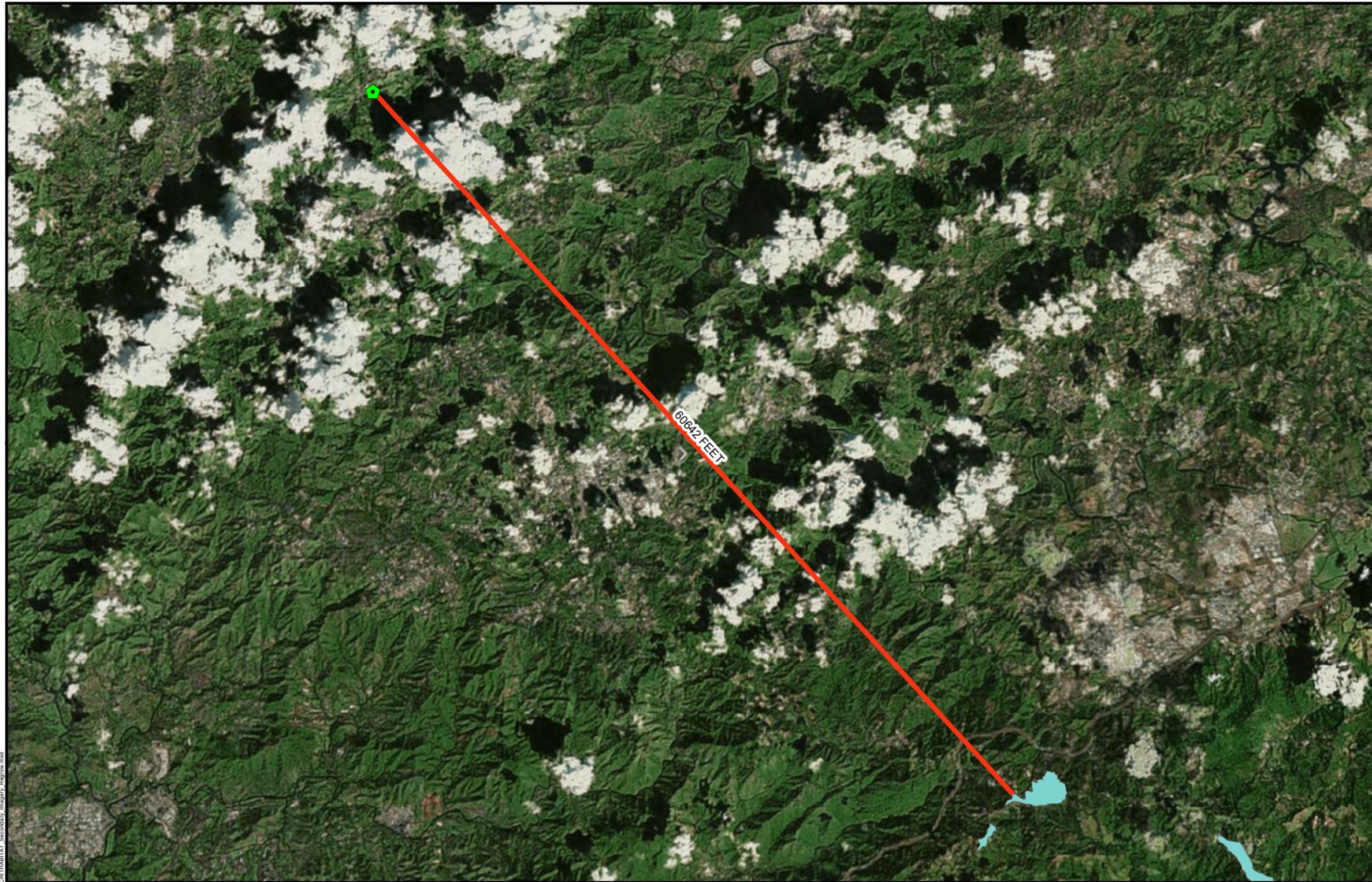


Source: U.S. FISH & WILDLIFE SERVICE  
<https://ecos.fws.gov>

Author: TG

Date: 6/1/2023





**Legend**

-  Project Parcel
- comname**
-  Golden coqui

Distance to Nearest Critical Habitat in Feet: 60642 FEET

**PUERTO RICO**



**Figure 11: CRITICAL HABITATS**  
**APPLICANT ID: PR-RGRW-00702**

**ADDRESS:** Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794

Name of Development: ZAYAs farm

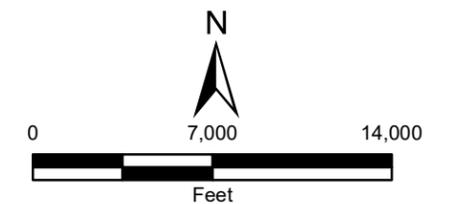
Parcel Coordinates: 18.207862, -66.305418



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

Author: TG

Date: 6/1/2023



File Path: \\nas208\gis\GIS\CDR\PR\Acc\Shane\TDR\VisualUSPRT\Fig\CRITICALHABITATS\_Secondary\_Imagery\_Figrow.mxd



**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

**PUERTO RICO**

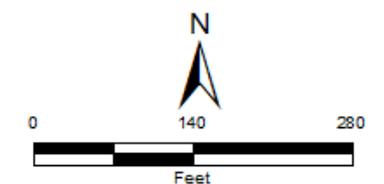


**Figure 12: FARMLAND PROTECTION**  
**APPLICANT ID: PR-RGRW-00702**

ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794  
 Name of Development: ZAYAs farm  
 Parcel Coordinates: 18.207862, -66.305418



Source: USDA  
<https://websoilsurvey.sc.egov.usda.gov>  
 Author: TG Date: 6/1/2023









- Legend**
-  Project Parcel
  -  Wild and Scenic Rivers

Distance to Nearest Wild and Scenic River in Feet: 180037 Feet

**PUERTO RICO**



**Figure 15: WILD AND SCENIC RIVERS ACT  
 APPLICANT ID: PR-RGRW-00702**

ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794

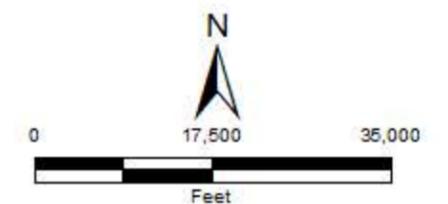
Name of Development: ZAYAs farm

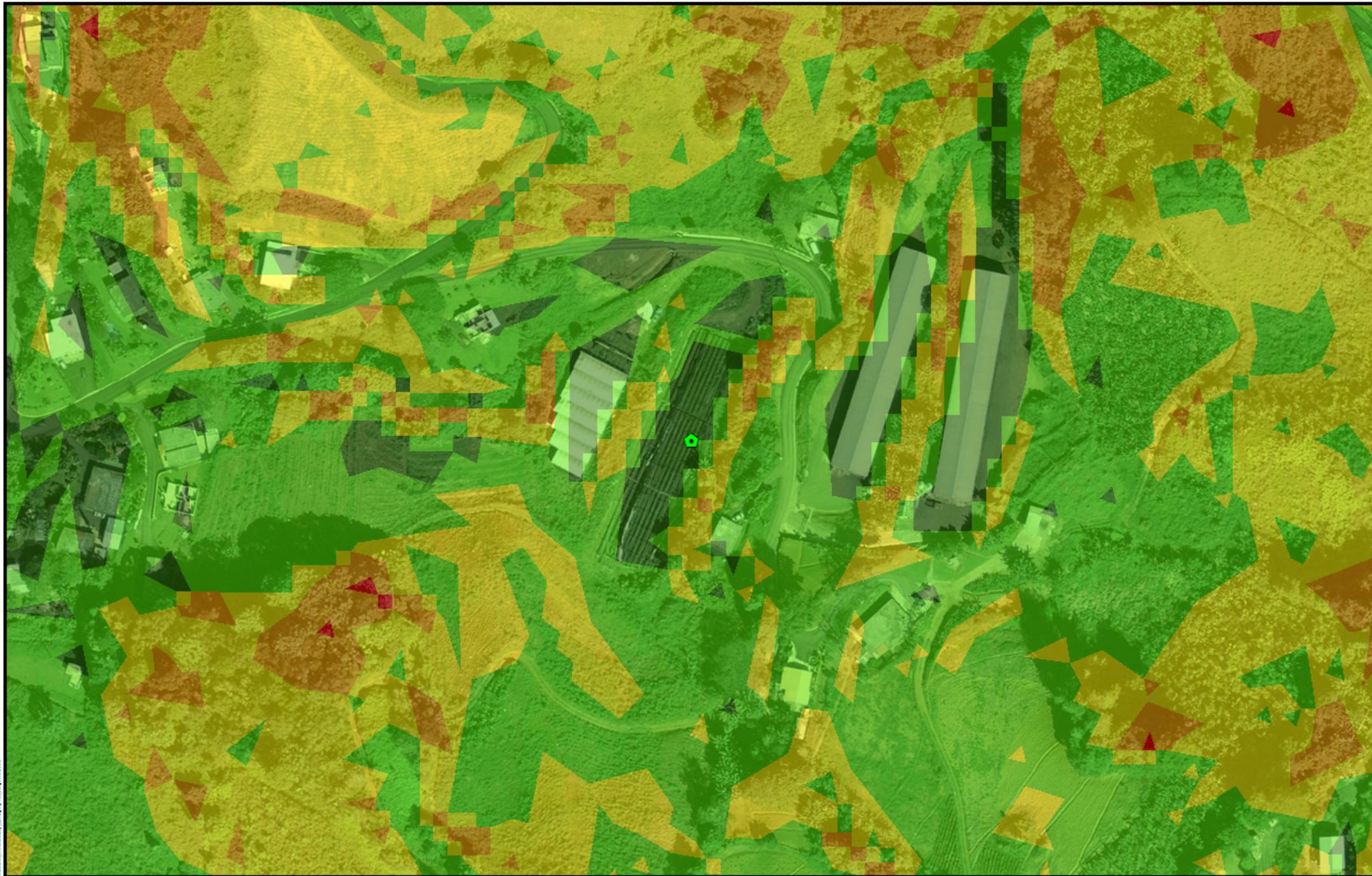
Parcel Coordinates: 18.207862, -66.305418



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

Author: TG Date: 6/9/2023





- Legend**
-  Project Parcel
- Landslide Susceptibility**
-  Extremely High
  -  Very High
  -  High
  -  Moderate
  -  Low

**PUERTO RICO**



**Figure 16: SLOPE AND EROSION  
 APPLICANT ID: PR-RGRW-00702**

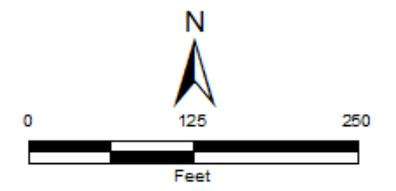
ADDRESS: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho, Barranquitas, PR 00794

Name of Development: ZAYAs farm

Parcel Coordinates: 18.207862, -66.305418



Source: PRDOH  
<http://s://uegs.maps.arcgis.com/apps/webappviewer/index.html?id=10506ec07f15491daee17647f19248ee>  
 Author: TG Date: 6/1/2023



# Appendix C

You are here: [EPA Home](#) > [Green Book](#) > [National Area and County-Level Multi-Pollutant Information](#) > Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

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

Data is current as of August 31, 2023

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

\* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m<sup>3</sup>) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. ([81 FR 58009](#))

Change the State:

[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	11 12 13 14 15 16 17 18 19 20 21 22 23	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	18 19 20 21 22 23	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	52,441	72/137

[Important Notes](#)

# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

SANTINI OCTAVIO

PR-771 KM 2.5 BARRANCAS WARD, BARRANQUITAS, PR 00794

FRS (Facility Registry Service) ID: 110007821483

EPA Region: 02

Latitude: 18.204541

Longitude: -66.309637

Locational Data Source: FRS

Industries: --

Indian Country: N

### Enforcement and Compliance Summary

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

### Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive  
Other, (PRR000009811)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)  
[Known Data Problems](#)

### Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

# Facility/System Characteristics

## Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		<a href="#">110007821483</a>					N	18.204541	-66.309637
RCRAInfo	RCRA	PRR000009811	Other	Inactive ( )			N	18.204541	-66.309637

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		<a href="#">110007821483</a>	SANTINI OCTAVIO	PR-771 KM 2.5 BARRANCAS WARD, BARRANQUITAS, PR 00794	Barranquitas Municipio
RCRAInfo	RCRA	PRR000009811	SANTINI OCTAVIO	RD 771 KM 2.5 BARRANCAS WARD, BARRANQUITAS, PR 00794	Barranquitas Municipio

## Facility SIC (Standard Industrial Classification) Codes

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

No data records returned

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

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

No data records returned

## Facility Tribe Information

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

No data records returned

# Enforcement and Compliance

## Compliance Monitoring History Last 5 Years ▾

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

No data records returned

*Entries in italics are not counted as EPA official inspections.*

## Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000009811	No	09/16/2023	0	09/15/2023

## Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRR000009811)	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified											
	Violation												
	Agency												

## Informal Enforcement Actions Last 5 Years ▾

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

No data records returned

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

## Formal Enforcement Actions Last 5 Years ▾

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

## Environmental Conditions

### Watersheds

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

No data records returned

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

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

No data records returned

### Air Quality Nonattainment Areas

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

No data records returned

## Pollutants

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

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

No data records returned

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

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

No data records returned

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

[DMR and TRI Multi-Year Loading Report](#)

No data records returned

## Community

### Environmental Justice

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

EJScreen Indexes Shown

Related Reports

[EJScreen Community Report](#)

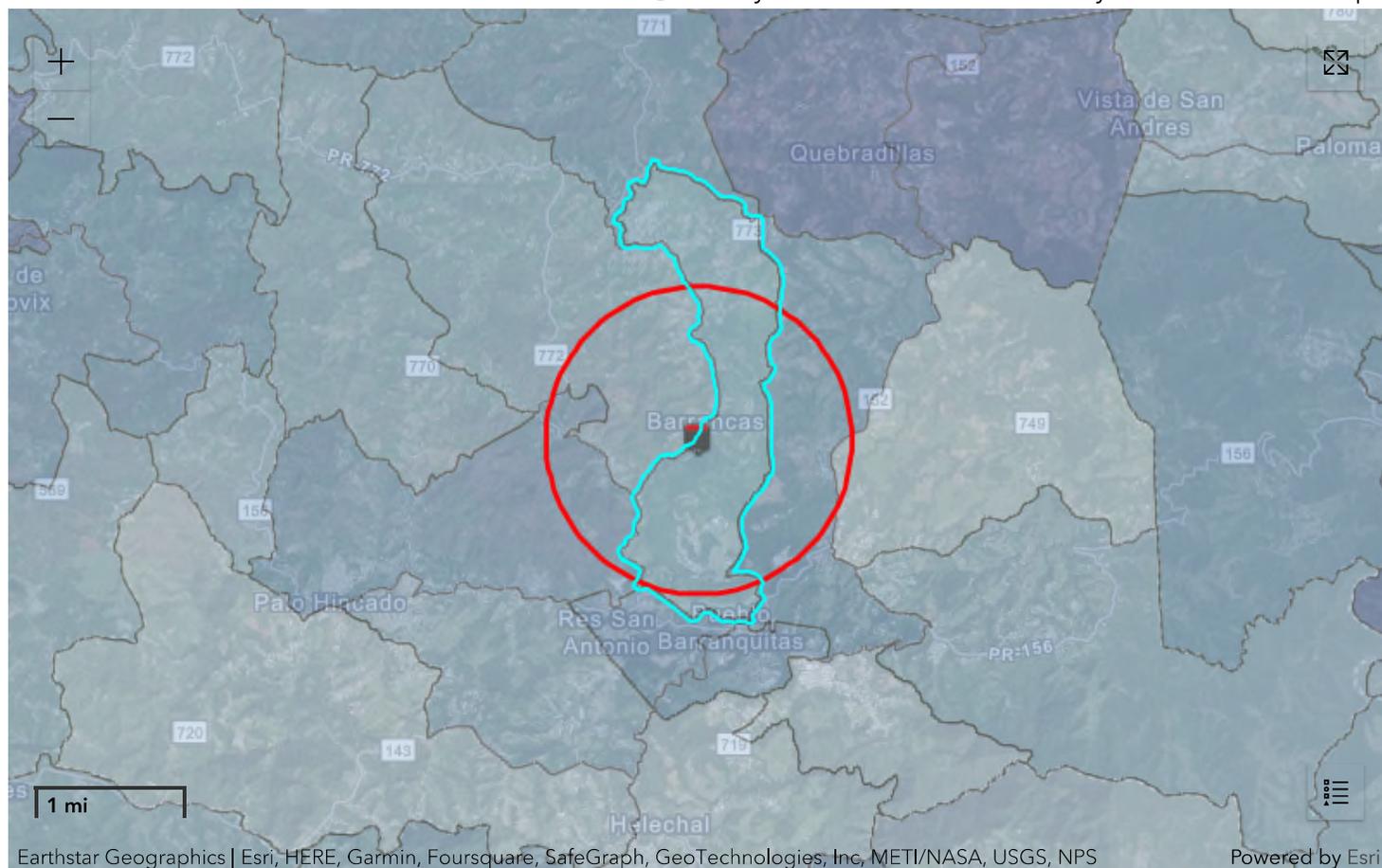
Compare to  US  State

Index Type  Environmental Justice  Supplemental

Download Data

Census Block Group ID: 720199523021	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	4	5
Particulate Matter 2.5	0	--
Ozone	0	--
Diesel Particulate Matter	4	5
Air Toxics Cancer Risk	34	36
Air Toxics Respiratory Hazard Index	12	36
Toxic Releases to Air	97	99
Traffic Proximity	45	93
Lead Paint	69	96
Risk Management Plan (RMP) Facility Proximity	61	69
Hazardous Waste Proximity	43	59
Superfund Proximity	97	99
Underground Storage Tanks (UST)	91	97
Wastewater Discharge	93	99

Facility 1-mile Radius  Facility Census Block Group



## Demographic Profile of Surrounding Area (1 mile)

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](#).

General Statistics (U.S. Census)	
Total Persons	2,742
Population Density	892/sq.mi.
Housing Units in Area	917

General Statistics (ACS (American Community Survey))	
Total Persons	2,648
Percent People of Color	100%
Households in Area	823
Households on Public Assistance	45
Persons With Low Income	1,829
Percent With Low Income	71%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.204541
Center Longitude	-66.309637
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	257 (31.23%)
\$15,000 - \$25,000	166 (20.17%)
\$25,000 - \$50,000	246 (29.89%)
\$50,000 - \$75,000	76 (9.23%)
Greater than \$75,000	78 (9.48%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	193 (7%)
Minors 17 years and younger	796 (29%)
Adults 18 years and older	1,945 (71%)
Seniors 65 years and older	220 (8%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,301 (84%)
African-American	172 (6%)
Hispanic-Origin	2,733 (100%)
Asian/Pacific Islander	1 (0%)
American Indian	8 (0%)
Other/Multiracial	260 (9%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	255 (13.64%)
9th through 12th Grade	168 (8.99%)
High School Diploma	524 (28.04%)
Some College/2-year	258 (13.8%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	462 (24.72%)

LAST UPDATED ON SEPTEMBER 21, 2022

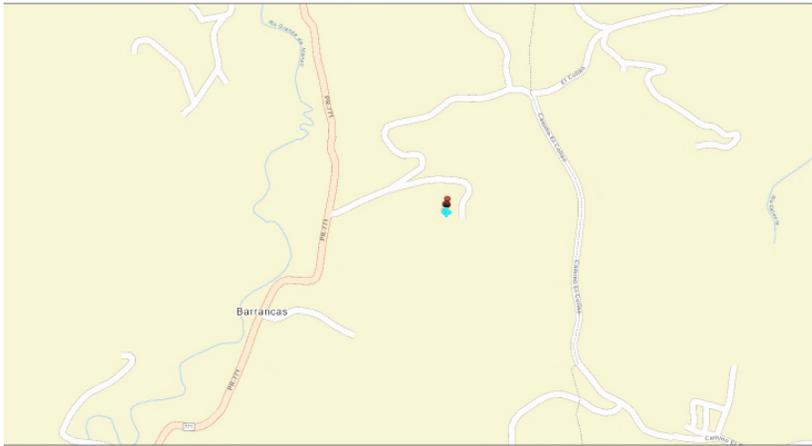
[DATA REFRESH INFORMATION](#)

# EJScreen Community Report

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

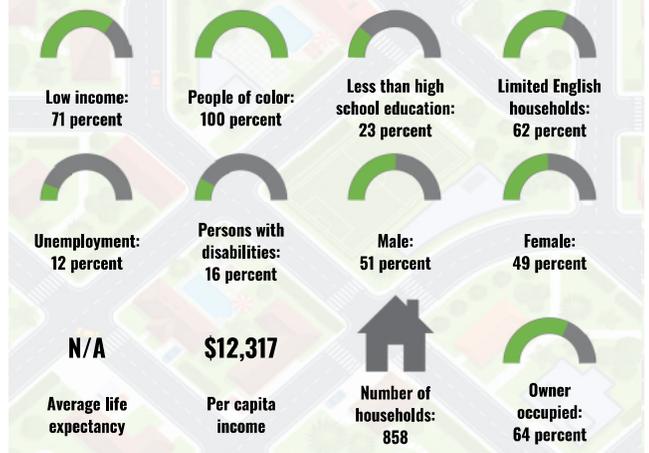
## Barranquitas Municipio, PR

1 mile Ring Centered at 18.207890,-66.305425  
 Population: 2,897  
 Area in square miles: 3.14



November 16, 2023  
 EJ report  
 Search Result (point)  
 0 0.05 0.1 0.15 0.2 mi  
 0 0.07 0.15 0.3 km  
 Data: Community Maps, Contributors, Esri, HERE, Garmin, Mapbox, OpenStreetMap contributors, Swatch, USGS, U.S. Census Bureau

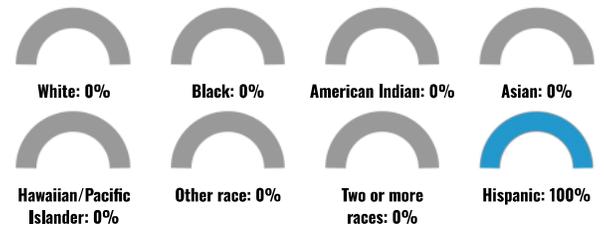
### COMMUNITY INFORMATION



### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	4%
Spanish	96%
Total Non-English	96%

### BREAKDOWN BY RACE



### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



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

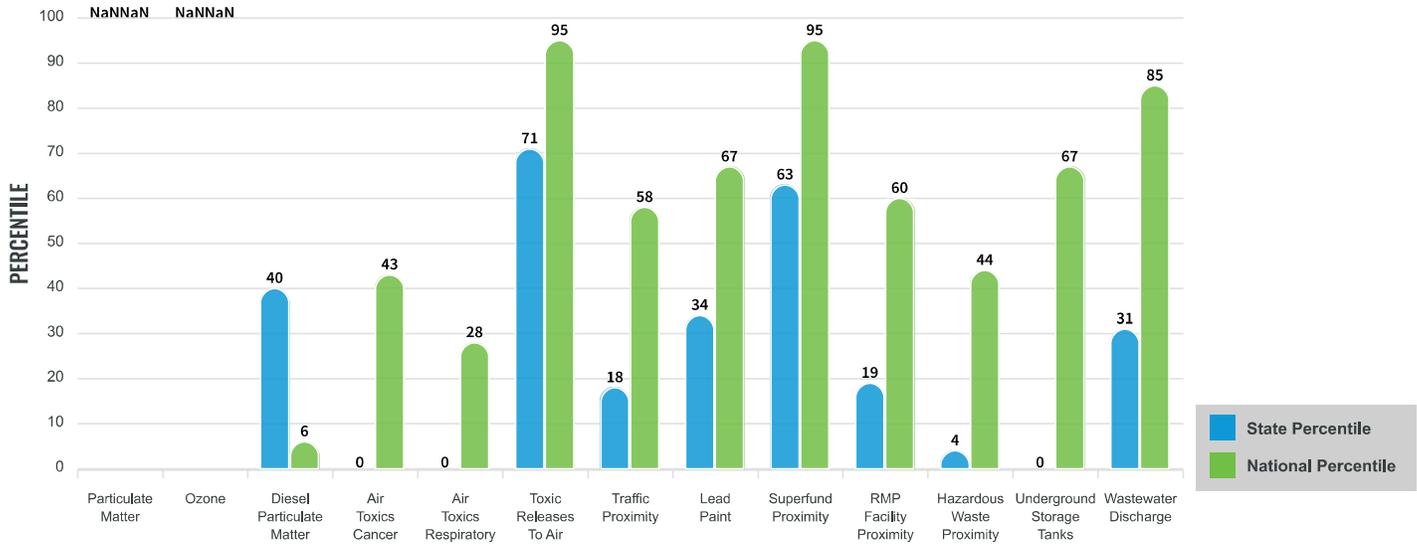
# Environmental Justice & Supplemental Indexes

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

## EJ INDEXES

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

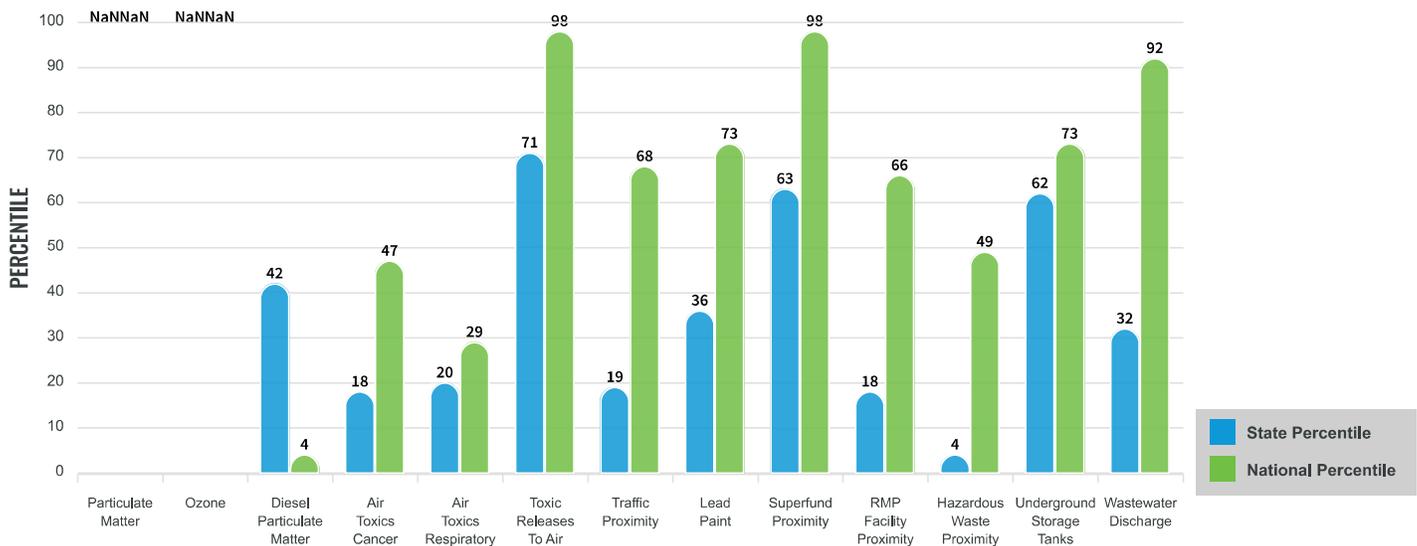
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

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

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



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

Report for 1 mile Ring Centered at 18.207890,-66.305425

# 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 ( $\mu\text{g}/\text{m}^3$ )	0.0293	0.0667	40	0.261	1
Air Toxics Cancer Risk* (lifetime risk per million)	14	20	0	25	1
Air Toxics Respiratory HI*	0.14	0.19	0	0.31	1
Toxic Releases to Air	1,600	4,300	72	4,600	68
Traffic Proximity (daily traffic count/distance to road)	17	180	21	210	22
Lead Paint (% Pre-1960 Housing)	0.069	0.16	41	0.3	30
Superfund Proximity (site count/km distance)	0.11	0.15	63	0.13	68
RMP Facility Proximity (facility count/km distance)	0.075	0.47	18	0.43	20
Hazardous Waste Proximity (facility count/km distance)	0.062	0.76	3	1.9	12
Underground Storage Tanks (count/km <sup>2</sup> )	0.52	1.7	63	3.9	40
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0011	2.3	34	22	49
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	86%	83%	43	35%	97
Supplemental Demographic Index	43%	43%	42	14%	99
People of Color	100%	96%	30	39%	97
Low Income	71%	70%	42	31%	94
Unemployment Rate	12%	15%	49	6%	86
Limited English Speaking Households	62%	67%	31	5%	99
Less Than High School Education	23%	21%	58	12%	85
Under Age 5	2%	4%	41	6%	23
Over Age 64	16%	22%	26	17%	52
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 .....	0
Brownfields .....	0
Toxic Release Inventory .....	0

## Other community features within defined area:

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

## Other environmental data:

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

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

Report for 1 mile Ring Centered at 18.207890,-66.305425

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	HEALTH 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	15.5%	21.6%	20	13.4%	68

## CLIMATE INDICATORS

INDICATOR	HEALTH 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	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	29%	32%	49	14%	87
Lack of Health Insurance	2%	7%	5	9%	9
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

Footnotes

Report for 1 mile Ring Centered at 18.207890,-66.305425

# Appendix D

Date: August 11, 2023

Applicant ID: PR-RGRW-00702

Street Address: Carr 771 km 4.3 Bo. Barrancas Sector Los Cacho

Municipality: Barranquitas

**Subject – Endangered Species No Effect Determination for PR-RGRW-00702 Area C**

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 771 km 4.3 Bo. Barrancas Sector Los Cacho, in the Municipality of Barranquitas, Puerto Rico (Parcel ID# 247-000-001-42)

The proposed project is for the construction of two new greenhouses located at 18.207387, -66.305368. The greenhouses combined will be approximately 100 feet by 20 feet located within an already cleared area measuring 120 feet by 30 feet. Power and water connections will come from already established connections within the parcel.

Surrounding landscape of Area C includes disturbed farmland to the north and south, residential and agriculture buildings to the east, and urban developments to the west. The site of Area C has previously been leveled for the installation of the greenhouses and the immediate surrounding landscape consists of maintained short grasses (see site photos in Appendix A).

The National Wetlands Inventory indicated that no wetlands are located within the proposed site of Area C (Figure 14).

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

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

No Critical Habitats were noted within the project area (Figure 10). Based on site review and site photos, no suitable habitat was found within Area C for the Puerto Rican Boa. Upon review of iNaturalist.org, no sightings of the Puerto Rican Boa have been recorded within at least 2.5 miles of the proposed project area. Based on the nature of the project, scope of work, information available, and a careful analysis of the Project Site, and IPaC species list, we have made the following effects determinations:

Species	Effect Determination	Conservation Measures to be implemented (if needed)
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Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	No Effect	No Conservation Measures
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A 'No Effect' determination has been made based on the lack of suitable habitat for the Puerto Rican Boa, as well as previous disturbance and current land use of the proposed project area.

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:**

IPaC Resource List

Shelby McDowell



B.S. Biologist, Tetra Tech

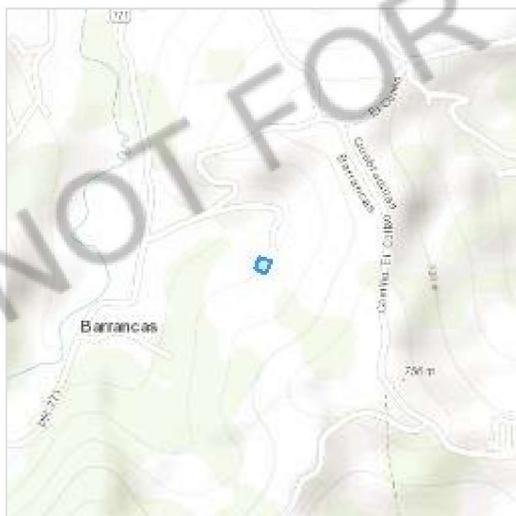
# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

## Location

Barranquitas County, Puerto Rico



## Local office

Caribbean Ecological Services Field Office

☎ (787) 834-1600

📠 (787) 851-7440

✉ [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

MAILING ADDRESS

Post Office Box 491

Boqueron, PR 00622-0491

PHYSICAL ADDRESS

Office Park I

State Road #2 Km 156.5, Suite 303}

Mayaguez, PR 00680

NOT FOR CONSULTATION

# Endangered species

**This resource list is for informational purposes only and does not constitute an analysis of project level impacts.**

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species<sup>1</sup> and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

- 
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. [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.

The following species are potentially affected by activities in this location:

## Reptiles

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> Wherever found No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6628">https://ecos.fws.gov/ecp/species/6628</a>	Endangered

## Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

## Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds  
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds  
<https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

### What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply). To see a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

### What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the [Eagle Act](#) should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

## Migratory birds

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

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

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

The [data](#) in this location indicates there are no migratory [birds of conservation concern](#) expected to occur in this area.

There may be migratory birds in your project area, but we don't have any survey data available to provide further direction. For additional information, please refer to the links above for recommendations to minimize impacts to migratory birds or contact your local FWS office.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

### How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

## Facilities

### National Wildlife Refuge lands

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

There are no refuge lands at this location.

### Fish hatcheries

There are no fish hatcheries at this location.

# Wetlands in the National Wetlands Inventory (NWI)

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

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

This location did not intersect any wetlands mapped by NWI.

**NOTE:** This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

## Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

## Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

## Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies.

Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

# Appendix E



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

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

August 9, 2023

**Lauren Bair Poche**

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

SHPO: 07-28-23-01 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, PR-RGRW-00702, ZAYAS FARM, BO. BARRANCAS, SECTOR LOS CACHO, CARR. 771 KM 4.3, BARRANQUITAS, PUERTO RICO

Dear 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/LGC



July 28, 2023

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

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

### **Section 106 NHPA Effect Determination Submittal: PR-RGRW-00702 – ZAYAS Farm – Carr 771 KM 4.3 Barrio Barrancas Sector Los Cacho, Barranquitas, 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) and the Home Repair, Reconstruction, or Relocation (R3) Program. On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (Housing) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents.

On behalf of PRDOH and the subrecipient, the Puerto Rico Department of Agriculture, we are submitting documentation for activities proposed by ZAYAS Farm in Bo. Barrancas Sector Los Cacho at Carr. 771 Km. 4.3 in the municipality of Barranquitas. The proposed activities of ZAYAS Farm consist of two scopes of work. Scope of Work 1 consists of the substantial repair of 24 standing damaged greenhouses on two different terraces. These 24 greenhouses are constructed with metal tubes and Saran shade net. Originally there were 25 greenhouses; however, one is no longer extant. The two terraces upon which greenhouse repairs will be undertaken are called for convenience Area A and Area B. Scope of Work 2 includes the construction of 2 new greenhouses; the greenhouse will be constructed from metal and Saran shade net.

No new water connection will be necessary, the parcel has its own water well and previous connections to the existing greenhouses. For the new greenhouses water will be provided with PVC tube overground from the existing connection in Area A. No new power connection needed; the farm already has previous power connections to the existing greenhouses. In case the new greenhouse needs power, the power will be supplied via an aerial connection from the existing connection in Area A.

Based on the submitted documentation, the Program requests a concurrence that a determination of No Historic Properties Affected is appropriate for this proposed project.

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

Kindest regards,



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

Architectural Historian, Historic Preservation Senior Manager

Attachments

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b>		
<b>REgROW PUERTO RICO PROGRAM</b>		
<b>Section 106 NHPA Effect Determination</b>		
<b>Subrecipient:</b> ZAYAS Farm		
<b>Case ID:</b> PR-RGRW-00702	<b>City:</b> Barranquitas	

<b>Project Location:</b> Carr 771 Km 4.3 Bo. Barrancas Sector Los Cacho	
<b>Project Coordinates:</b> Scope of Work 1, Area 1: 18.207862, -66.305418 Scope of Work 1, Area 2: 18.208010, -66.3057397 Scope of Work 2: 18.207387, -66.305368	
<b>TPID (Número de Catastro):</b> 247-000-001-42	
<b>Type of Undertaking:</b> <input checked="" type="checkbox"/> Substantial Repair <input checked="" type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b> 2015	<b>Property Size (acres):</b> 261.48

<b>SOI-Qualified Architect/Architectural Historian:</b> Maria Lopez Schmid
<b>Date Reviewed:</b> 06/20/2023
<b>SOI-Qualified Archaeologist:</b> Roberto G. Muñoz-Pando
<b>Date Reviewed:</b> 06/22/2023

In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the NRHP and any properties not listed that would be considered eligible for listing that are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties.

### Project Description (Undertaking)

This project is comprised of two scopes of work. Scope of Work 1 is located approximately at 18.207862, -66.305418 and 18.208010, -66.3057397. It consists of the substantial repair of 24 standing damaged greenhouses on two different terraces. These 24 greenhouses are constructed with metal tubes and Saran shade net. Originally there were 25 greenhouses; however, one is no longer extant. The two terraces upon which greenhouse repairs will be undertaken are called for convenience Area A and Area B.

Area A is approximately 270 feet long by 70 feet wide and is located at 18.207862, -66.305418. In Area A they are 15 greenhouses in metal and Saran shade net, that need repairs for recajo production.

Area B is approximately 170 feet long by 70 feet wide at 18.208010, -66.3057397. In Area B they are 9 greenhouses in metal and Saran shade net, that need repairs for recajo production.

Scope of Work 2 is located at 18.207387, -66.305368 and includes Construction of 2 new greenhouses with a total footprint of 100 feet long by 20 feet wide in an available terrace

<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> ZAYAS Farm	
<b>Case ID:</b> PR-RGRW-00702	<b>City:</b> Barranquitas

with a footprint approximately of 120 feet long by 30 feet wide. The construction of the greenhouse will be in metal and Saran shade net.

No new water connection will be necessary, the parcel has its own water well and previous connections to the existing greenhouses. For the new greenhouses water will be provided with PVC tube overground from the existing connection in Area A. No new power connection needed; the farm already has previous power connections to the existing greenhouses. In case the new greenhouse needs power, the power will be supplied via an aerial connection from the existing connection in Area A.

### Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is the parts of the parcel where Scope of works 1 and 2 will be conducted and the visual APE is the viewshed of the proposed project area [see maps section for clarification].

### Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area has no previously identified archaeological sites within a 0.5-mile radius of the APE. Furthermore, the area has had no cultural resource studies performed within a 0.5-mile radius of the APE. In addition, the soil in and around the project area is composed of mostly Humatas Clay (HtE and HtF) with 20 to 60 percent slopes. Due to the acidity of Humatas CLay sold and the slopes in the area, the probability of finding *in situ* archaeological sites or materials is considered low.

### 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.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>RE-grow PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
<b>Subrecipient:</b> ZAYAS Farm	
<b>Case ID:</b> PR-RGRW-00702	<b>City:</b> Barranquitas

The proposed project is located in a rural, mountainous terrain with mature vegetation surrounding the hoop greenhouses on the property. The property is located east of Road 771 in Barranquitas that runs north south. A circa 2015 building is located to the north of geocoordinates at the south of the roadside entrance. The building appears on a 2015 aerial image, but not a 2014 one. This building is a reinforced concrete house with a flat concrete roof. This building shown below is modern and **does not** meet the requirements to be eligible for listing on the National Register of Historic Places.



**Figure 1 & 2.** Photograph of the building façade and detail of the 2015 aerial photograph indicating location of the house on the property.

### Determination

The following historic properties have been identified within the APE:

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

The project area is not located within the boundaries of a National Register of Historic Places (NRHP)-eligible or listed Traditional Urban Center or Historic District. 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 parcel that contains the proposed Area of Potential Effect. There are no known archaeological sites or historic

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 <small>GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING</small>
<b>Subrecipient:</b> ZAYAS Farm	
<b>Case ID:</b> PR-RGRW-00702	<b>City:</b> Barranquitas

properties within 0.5 -miles of the APE. In addition, the soil in and around the project area is composed of mostly Humatas Clay (HtE and HtF) with 20 to 60 percent slopes. Due to the acidity of Humatas CLay soild and the slopes in the area, the probability of finding *in situ* archaeological sites or materials is considered low. Therefore, no impact to historic properties is anticipated for this project.

<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> ZAYAS Farm	
<b>Case ID:</b> PR-RGRW-00702	<b>City:</b> Barranquitas

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

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

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

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

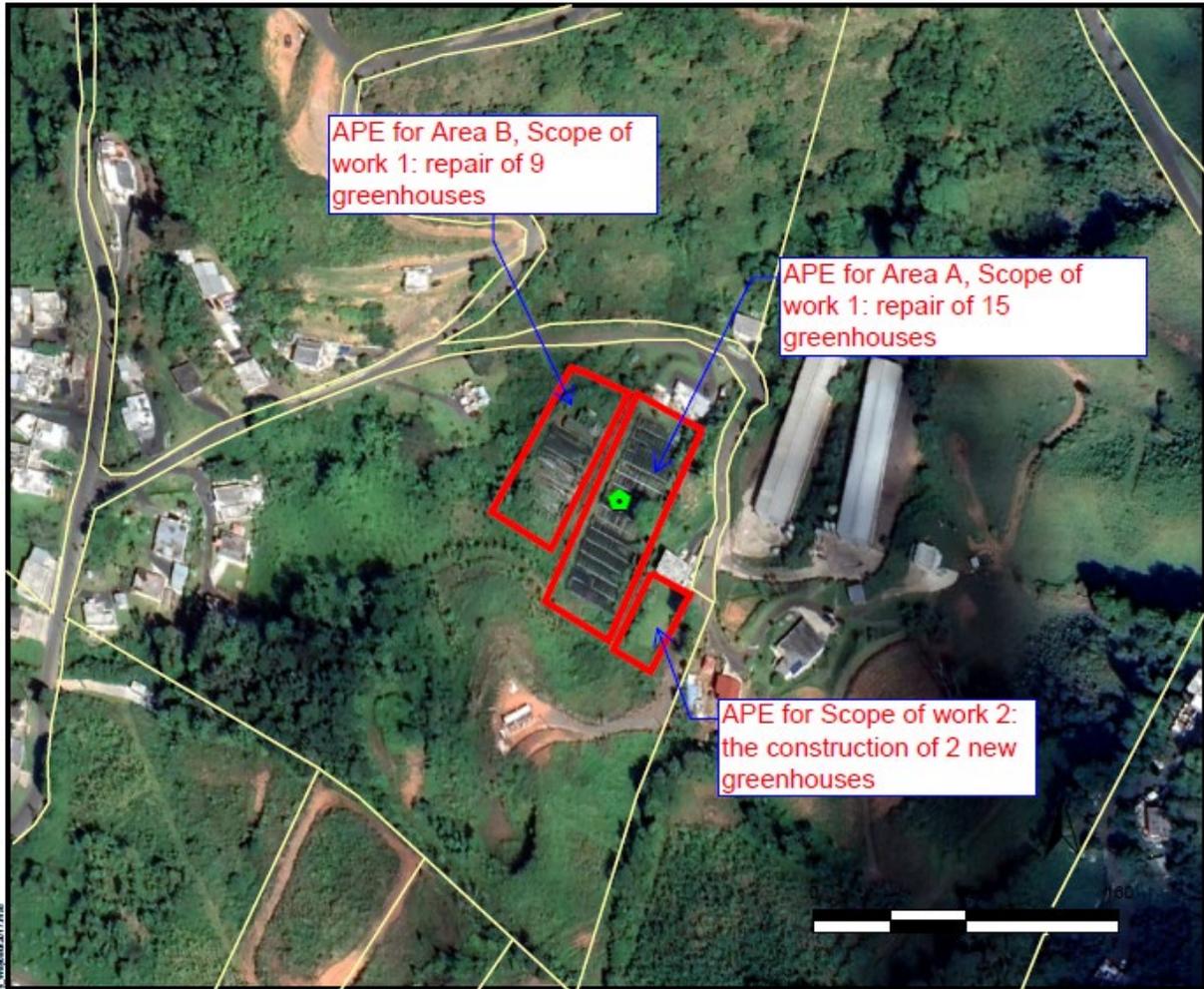
The Puerto Rico State Historic Preservation Office has reviewed the above information and:  <input type="checkbox"/> <b>Concurs</b> with the information provided. <input type="checkbox"/> <b>Does not concur</b> with the information provided.	
<b>Comments:</b>    	
Carlos Rubio-Cancela State Historic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

Subrecipient: ZAYAS Farm

Case ID: PR-RGRW-00702

City: Barranquitas

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



File: ZayasFarmNHPA\_AerialMap\_Section\_106.mxd, Week 2017.mxd



Source: CRIM

Author: TG

Date: 10/7/2022

#### Legend

-  Tier 2 Site
-  Parcelario
-  Area of Potential Effect







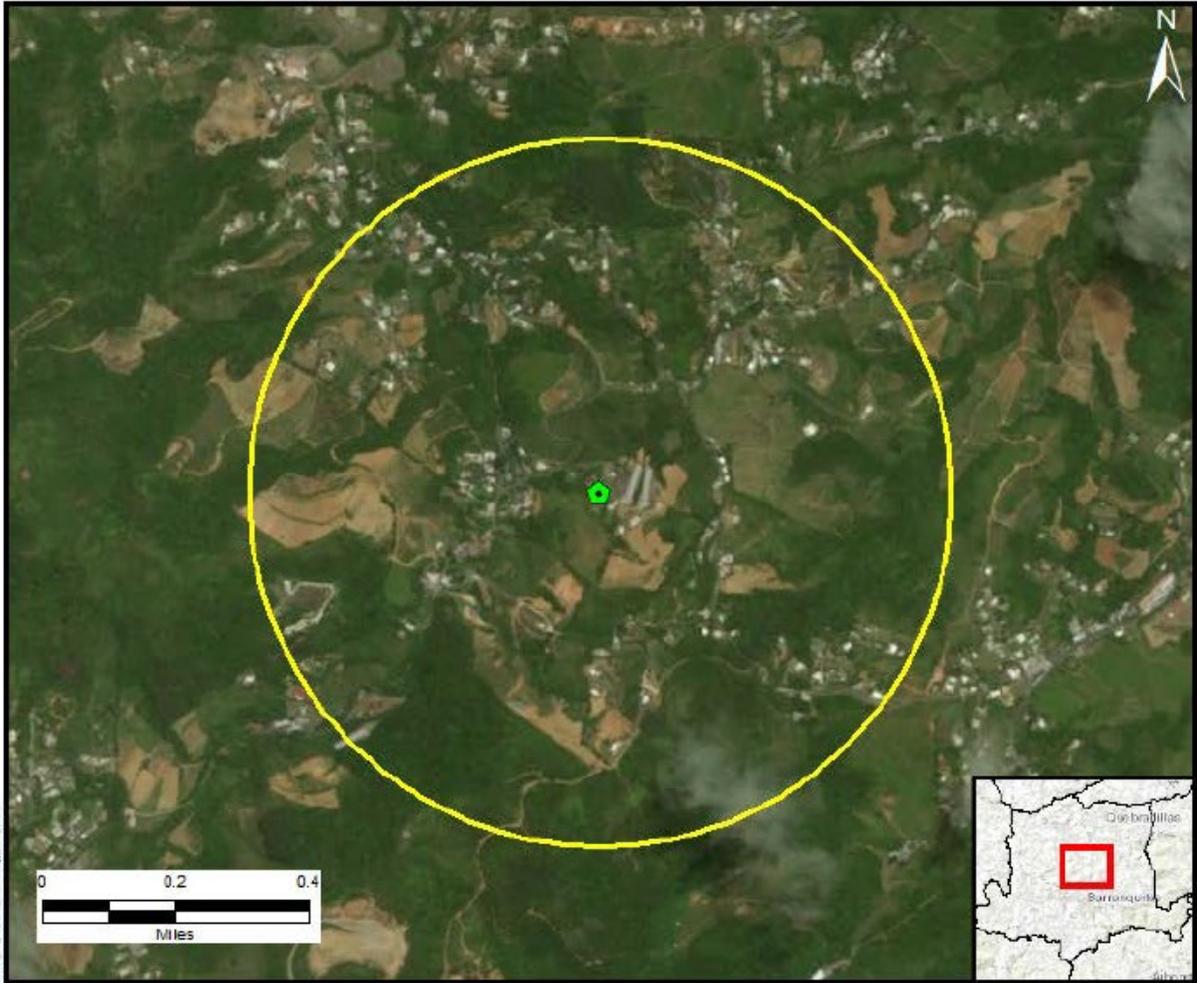


Subrecipient: ZAYAS Farm

Case ID: PR-RGRW-00702

City: Barranquitas

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



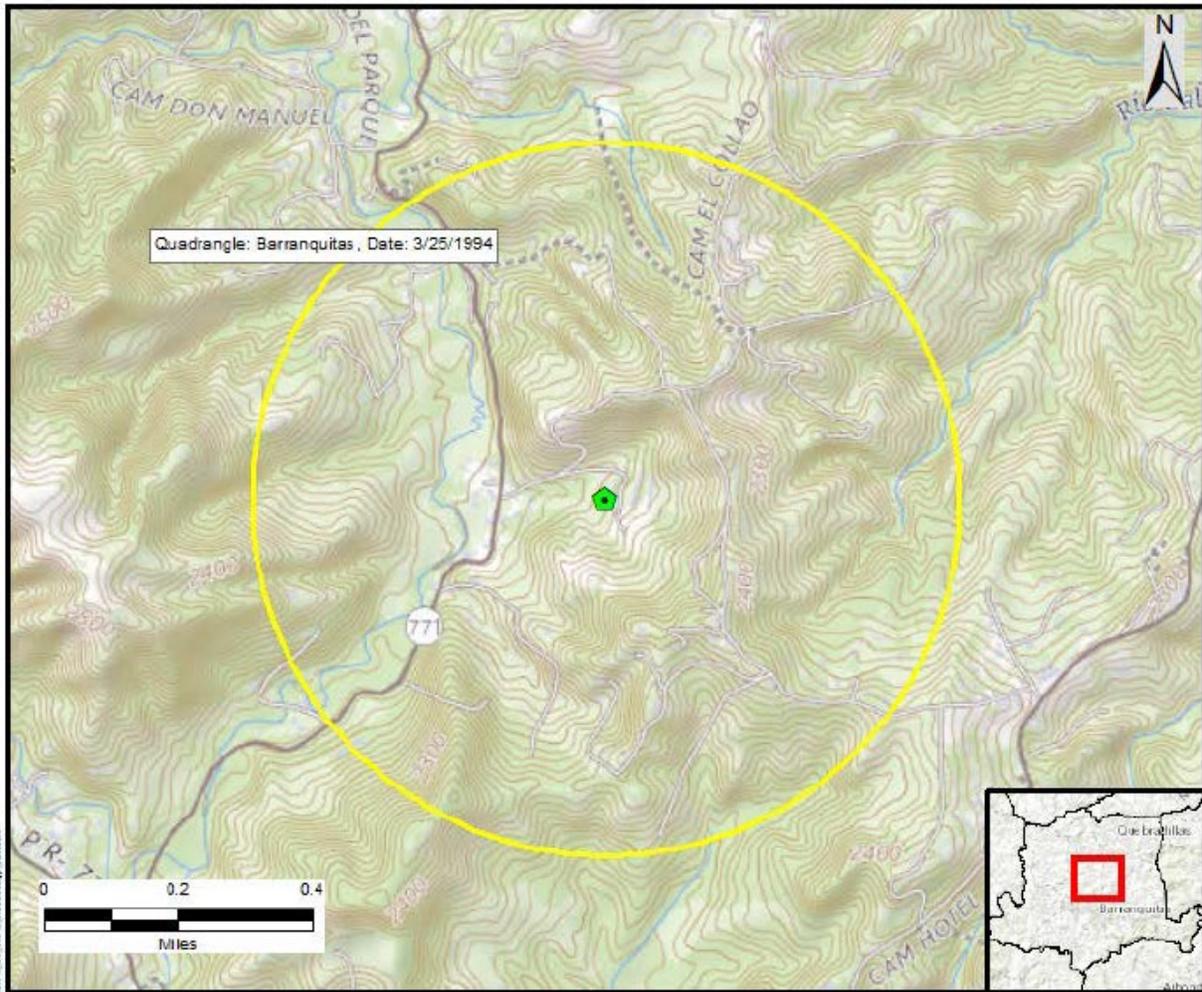
 <b>TETRA TECH</b> Source: National Park Service	<b>Legend</b>		
	 Tier 2 Site	 Half Mile Buffer	 Cultural Resource District Polygon
	 Historic Comunidades	 Traditional Urban Centers	
AUTHOR: TS	DATE: 9/29/2022		

Subrecipient: ZAYAS Farm

Case ID: PR-RGRW-00702

City: Barranquitas

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



Source: National Park Service

Author: TG

Date: 9/29/2022

Legend

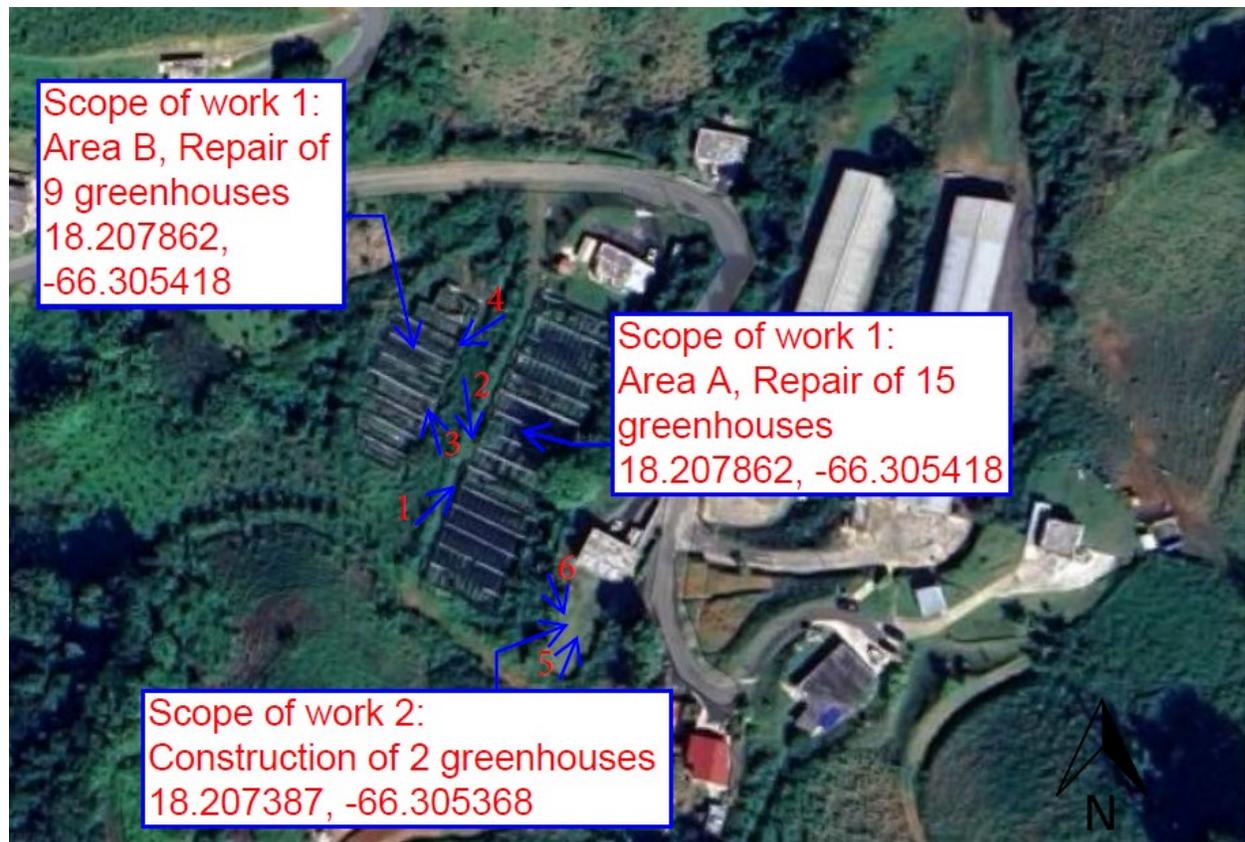
-  Tier 2 Site
-  Half Mile Buffer
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon

Subrecipient: ZAYAS Farm

Case ID: PR-RGRW-00702

City: Barranquitas

### Photograph Key



Subrecipient: ZAYAS Farm

Case ID: PR-RGRW-00702

City: Barranquitas



Photo #: 1

Description (include direction): View to the Northeast

Date: 5/15/2023

Scope Of Work 1: Area A, repair of 15 greenhouses



Photo #: 2

Description (include direction): View to the Southeast

Date: 5/15/2023

Scope Of Work 1: Area A, repair of 15 greenhouses

Subrecipient: ZAYAS Farm

Case ID: PR-RGRW-00702

City: Barranquitas



Photo #: 3

Description (include direction): View to the Northwest

Date: 5/15/2023

Scope Of Work 1: Area B, repair of 9 greenhouses



Photo #: 4

Description (include direction): View to the Southwest

Date: 5/15/2023

Scope Of Work 1: Area B, repair of 9 greenhouses

Subrecipient: ZAYAS Farm

Case ID: PR-RGRW-00702

City: Barranquitas



Photo #: 5

Description (include direction): View to the Northeast

Date: 5/15/2023

Scope Of Work 2: Construction of 2 greenhouses



Photo #: 6

Description (include direction): View the Southeast

Date: 5/15/2023

Scope Of Work 2: Construction of 2 greenhouses



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