

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

Project Information

Project ID: PR-RGRW-02128

Project Name: True Leaf Farm LLC

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico / Naranjito, PR

Preparer: Patricia Carmenatty

Certifying Officer Name and Title: Permit and Environmental Compliance Officers: Sally Acevedo Cosme, Pedro de León Rodríguez, María T. Torres Bregon, Ivelisse Lorenzo, Angel Gabriel Lopez Guzman, Janette I. Cambrelen, Santa Ramirez, Limary Vélez Marrero, Juan Carlos Perez Bofill and Monica M. Machuca Rios.

Consultant: Behar Ybarra & Associates LLC

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

Project Location:

Carr. 809 Km. 5.7 Bo. Cedro Arriba, Naranjito, PR 00719

Greenhouse location: latitude 18.248605 longitude -66.267458

Land to purchase location: latitude 18.248121 longitude -66.267037

Parcel cadastral #: 195-098-070-22-000; 195-098-070-21-000

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

The proposed activities for PR-RGRW-02128 consist of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres). The installation of a greenhouse in parcel 195-098-070-22-000 requires ground disturbance. The greenhouse will be anchored to 10' spaced supports buried 2 feet deep on a ground that is covered with a plastic tarp. The water needed for the greenhouse will be provided by an existing water well on the property and the new pipes will not be anchored, there will be placed above the ground. The existing water well is approximately 400 feet from the greenhouse

proposed location. The power needed to operate the existing water well will be provided by an existing PREPA/LUMA connection on the property. The greenhouse will not need electricity so it will not be necessary to install new power lines. The scope of work also includes the purchase of the land next to the greenhouse (parcel: 195-098-070-21-000) with the idea of expanding production of microgreens. The project area where the greenhouse will be installed is located at Carr. 809 Km. 5.7 Bo. Cedro Arriba, Naranjito, PR 00719 within the Municipality of Naranjito. Based on a review of historical aerial imagery, the general area of the greenhouse location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area). It remains predominantly agricultural through to the present day, although residential development is evident along roadways.

The Area of Potential Effect (APE) has been defined as the area potentially impacted by ground disturbing activities related to the installation of the greenhouse. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is the location of the greenhouse plus a 15-meter buffer and the visual APE is the viewshed of the proposed project.

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

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]: The Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) will increase agricultural capacity while promoting and increasing food security island wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities. This agricultural project associated with the purchase and installation of an 18' x 400' greenhouse and the purchase of a piece of land (3.05 acres) are in keeping with the overall objectives of the Economic Development Program.

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

The area where the greenhouse will be placed has a flat topography. The surface of the area where the greenhouse will be installed is covered with plastic tarp and at this moment there is nothing planted in the area. The previous use of the land to be purchased was for planting plantains, but currently the area is full of small bushes and grass. Therefore, there is little to no change in land use associated with these placements.

Funding Information

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

	Block Grant - Disaster Recovery (CDBG-DR)	
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Estimated Total HUD Funded Amount: \$147,600.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$147,600.00.

Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities

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

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) will have no impact on any Airports. The site is located 93,783 feet from the nearest major civil airport (Fernando Luis Ribas Dominicci in San Juan) and 110,681 feet from the nearest military airport (Luis Muñoz Marín International Airport in San Juan). This topic is in compliance with the HUD's Airport Hazard regulations without further evaluation. See the attached Airport map Runway Protection Zone, Figure 2.
Coastal Barrier Resources	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not located in a CBRS Unit. The project is located 82,242 feet

<p>Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]</p>		<p>southeast of the nearest Coastal Barrier Resource System, PR-86P. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. See the attached CBRS map, Figure 3.</p>
<p>Flood Insurance</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 <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located in Zone X, Panel 72000C1160H, 4/19/2005 on the FEMA FIRM. The project does not require flood insurance or is excepted from flood insurance. See attached Flood Map, Figure 4. The project is in compliance with the Flood Insurance without further evaluation.</p>
<p>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</p>		
<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) for an agricultural site and is not located in a nonattainment municipality of Puerto Rico (Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, Toa Baja). The installation and operation of this project will have no impact and is in compliance with the Clean Air Act without further evaluation. See attached published list of Puerto Rico Nonattainment/Maintenance Status for each county by year for all criteria pollutants in Appendix 2.</p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located 72,111 feet from the nearest Coastal Zone Management Area and does not affect a Coastal Zone as defined in the state Coastal management Plan. The project is in compliance with the Coastal Zone Management Act. See the attached CZMA map, Figure 5.</p>
<p>Contamination and Toxic Substances</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) for</p>

<p>24 CFR Part 58.5(i)(2)</p>		<p>an agricultural project. On-site or nearby toxic, hazardous, or radioactive substances that could affect the health and safety of project occupants or conflict with the intended use of the property were not found. There are two sites of environmental concern identified within 3,000 feet near the greenhouse and land to be purchased location.</p> <p>EPA Facility Interests RCRA Info (Hazardous Waste) 110007814810 Roberto Falcon Garage – 2,140 ft. Address: RD 779 KM .6, COMERIO, PR 00782. Coordinates: 18.245324, - 66.272495.</p> <p>EPA Facility Interests NPDES (Water Discharges) 110010602437 PRASA (PALOMAS) 1,816 ft. Address: PR-779 KM 1.3, COMERIO, PR 00782. Coordinates: 18.243713, - 66.268978.</p> <p>Based on EPA Enforcement and Compliance History Online (EPA ECHO) there are no violations reported. See Appendix 3 for ECHO reports.</p> <p>The project is in compliance with contamination and toxic substances requirements. See attached Toxics Map, Figure 6.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>After reviewing data from the United States Fish and Wildlife Service (USFWS) Information and Planning Consultation (IPaC) and the Puerto Rico Department of Natural and Environmental Resources (DNER) database, the PR boa (<i>Chilabothrus inornatus</i>) could be found in the project area. The scope of work includes continued agricultural use of the property with no intention of cutting down trees or altering the general area where the greenhouse will be installed, and it has been maintained that way for agricultural purposes. Developing the</p>

		<p>land for planting will be the plan for the land they will purchase with the funds.</p> <p>The nature of the project, scope of work, information available, a careful analysis of the IpaC, the Puerto Rico Boa conservation measures, the Caribbean Dkey in the US Fish and Wildlife Service's online IPaC application, and the observations during the field visit on September 29, 2023, were used to evaluate the potential impacts to federally listed species from this project. Based on that information and the answer inputted into the Dkey, it was determined that the proposed action will have "No Effect" determination on the Puerto Rican Boa. The project is 67,116 feet from the nearest final endangered species critical habitat. Therefore, the project has no critical habitats in the area.</p> <p>If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask for them to relocate the Boa. As established by the USFWS Puerto Rican Boa Conservation Measures Guideline.</p> <p>https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf</p> <p>This project is in compliance with the Endangered Species Act. See attached "No Effect" Memo and supporting documents in Appendix 4. See attached Endangered Species map, Figure 7.</p>
<p>Explosive and Flammable Hazards</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres)</p>

24 CFR Part 51 Subpart C		and does not include development, construction or rehabilitation that will increase residential density. This project is in compliance with Explosive and Flammable hazards without further evaluation.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project does not include any activities that could potentially convert agricultural land to non-agricultural use. The project activities will occur in an area designated as Not prime farmland. The scope of work includes the installation and construction of a greenhouse, and this is a construction limited to on-farm structures needed for farm operations. The project is in compliance with the Farmland Protection Policy Act. See the attached Farmlands map, Figure 8.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is located in Zone X, Panel 72000C1160H, 4/19/2005 (Figure 4). The site is not located in a Preliminary Firm or an Advisory Base Flood Elevation special flood hazard area. PFIRMs in Puerto Rico were only developed for certain sections of the municipalities of Carolina, Canovanas, Loiza, San Juan and Trujillo Alto. The proposed project is located in the municipality of Naranjito; therefore, PFIRM information was not available for the area and therefore not considered in the review. The project is in compliance with Executive Order 11988. See attached ABFE Map (Figure 9).
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The site was visited on October 17, 2023, by SOI-qualified archaeologist. Based on the nature and scope of the undertaking, the APE has been defined as the area potentially affected by ground-disturbing activities related to installation of the greenhouse. Documentation with photographs and maps was

		subsequently submitted to SHPO (attached Appendix 1). In a response from PR SHPO dated February 6, 2024, SHPO concurred with a finding of No Historic Properties Affected within the project's Area of Potential Effects (see attached Appendix 1). The property is not considered historic or contributing to an historic district (See attached Historic map, Figure 10). Therefore, this activity is in compliance with National Historic Preservation Act.
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) for an agricultural site. The project does not include new construction for residential use or rehabilitation of an existing residential property. The site is rural in nature and there will be no impact to or from the surrounding area from a noise perspective. This topic is in compliance with Noise abatement and Control without further evaluation.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no EPA Sole Source Aquifers in Puerto Rico. The project is in compliance with Sole Source aquifers without further evaluation. See attached Sole Source Aquifers maps, Figure 11.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no wetlands in or near the proposed project area, therefore, no wetland will be affected by the project undertaking. The project is in compliance with Executive Order 11990. See the attached Wetlands map, Figure 12.</p>
<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project is not within proximity of the NWSRS river. The project is located 167,057 feet from the nearest Wild and Scenic River. The project is in compliance</p>

		with the Wild and Scenic Rivers Act. See Map, Figure 13.
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on the scope of work for this project, there will be no additional impact on low-income or minority residents. This proposed activity will not have a negative impact on Environmental Justice. Therefore, the proposed activity complies with this section.

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
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and	2	The proposed action is continued agricultural use of property which is compatible with a zoning code of R-G (General Rural) and existing land use of SREP-A

Zoning / Scale and Urban Design		(Specially Protected Rustic Land-Agricultural). There is no urban design associated with this rural, agricultural site.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The soil is currently being used for agriculture purposes. There is no change in land use since the land will continue to be used to agriculture purposes. The soil in the project area has been classified as Humatas clay, 40 to 60 percent slopes (HtF). It is on the side slopes and ridgetops of humid volcanic uplands. The landslide data indicates low to very high landslide susceptibility; however, no erosion is expected to occur from this project. The project will not affect the drainage in the area. There will be no additional runoff associated with the project. See Landslide Susceptibility Map, Figure 14.
Hazards and Nuisances including Site Safety and Noise	2	This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) and there are no specific environmental hazards that have been identified for this site. The site is not in a high Noise Level area. While construction is underway, there will be a temporary rise in noise levels. Contractors will be required to comply with the applicable local noise ordinances. Noise impacts will be mitigated by restricting construction activities to daylight hours. Additionally, the project does not include housing or such to where inhabitants would be affected.
Energy Consumption	2	The project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) on an existing agricultural farm. The power needed to operate the water well will be provided by an existing PREPA/LUMA connection on the property. It will not be necessary to install new power lines.
Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land

		(3.05 acres) and will result in short-term benefit to employment when contractors are hired for the construction of the greenhouse. After construction, there may be a net positive benefit for the farm, a small business receiving this funding for economic development recovery purposes, which will aid in the continued operations of the intended use of the farm which products will be used by Puerto Rico population. The project is not anticipated to have a significant impact on Employment and Income Patterns, however, the project may help restore employment opportunities and income patterns.
Demographic Character Changes, Displacement	2	This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) and will not alter the demographic characteristics of Naranjito, PR. The applicant is already located at this location and the project will provide opportunities for the continuous agricultural growth of the business.
Environmental Justice	2	<p>In the project area within a one-mile radius:</p> <ul style="list-style-type: none"> • The people of color are 100% compared to PR average of 96% • 91 % of the people are low income compared to PR average of 70% • 9% of the people are unemployed compared to PR average of 15% <p>The proposed activities of the installation of the greenhouse and the purchase of land will have a positive impact on creating jobs for local people. Therefore, the proposed activity complies with this section. See EJSscreen Report in Appendix 3.</p>

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of a land

		(3.05 acres) for an agricultural site and will have no impact on educational and cultural facilities.
Commercial Facilities	2	This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) and may aid in restoring the demand for local commercial services; however, not to the point of putting undue pressure on commercial facilities.
Health Care and Social Services	2	The project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of a land (3.05 acres) for an agricultural site and will have no impact on Health Care and Social Services.
Solid Waste Disposal / Recycling	2	This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) and will have no impact on Solid Waste Disposal / Recycling services. The products and by-products are agricultural, and any waste would be biodegradable. The remaining construction solid waste materials would be collected for transport to the local landfill.
Wastewater / Sanitary Sewers	2	The installation of the greenhouse and the purchase of land will not produce any wastewater. Based on the scope of work is not expected to result in any significant changes in wastewater or sanitary sewer generation. The proposed project will have no impact on Wastewater / Sanitary Sewers.
Water Supply	2	The water needed for the greenhouse will be provided by an existing water well on the property and the new pipes will be installed above the ground. The existing water well is approximately 400 feet from the greenhouse proposed location. The water well also will provide water for any work to be done on the land that will be purchased. No new connection for water is necessary, therefore, the proposed project will have no impact on the water supply.
Public Safety - Police, Fire and Emergency Medical	2	The project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of a land (3.05 acres) for an agricultural site and will have no impact on Public Safety.

Parks, Open Space and Recreation	2	This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) and will have no impact on Parks, Open Space and Recreation. The property being used is agricultural and it will continue as agricultural use.
Transportation and Accessibility	2	The project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of a land (3.05 acres) for an agricultural site and will have no impact on transportation and accessibility.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) and will be situated on previous agriculture property and will have no impact on unique natural features or water resources.
Vegetation, Wildlife	2	This project consists of the purchase and installation of an 18' x 400' greenhouse and the purchase of land (3.05 acres) and will occur on land previously used for agricultural purposes and will continue in that capacity. There may be wildlife attracted to the greenhouse but no negative impact on wildlife.
Climate Change	2	<p>The Re-Grow Program proposed project aims to increase resiliency in the agricultural industry to prepare for future climate related disasters. The project will not contribute to climate change and will provide a minor net benefit by allowing for increased food production.</p> <p>In terms of the project's susceptibility to climate change, the agricultural components may encounter challenges due to the potential impact of drought conditions.</p>

Additional Studies Performed: Not applicable.

Field Inspection (Date and completed by): September 13, 2023, Jaqueline Lopez, SOI- Qualified Archaeologist.

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

FAA, National Plan for Integrated Airport Systems:

www.faa.gov/airports/planning_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf

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

www.fws.gov/CBRA/Maps/Locator/PR.pdf

National Park Service, National Registry of Natural Landmarks.

www.nature.nps.gov/nnl/docs/NNLRegistry.pdf

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

National Wild and Scenic Rivers System: www.rivers.gov/puerto-rico.php

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

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

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

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

www3.epa.gov/airquality/greenbook/anayo_pr.html

US EPA, Environmental Topics, Air Topics: www.epa.gov/environmental-topics/air-topics

US Fish and Wildlife Service, Environmental Conservation Online System:

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

Federal Emergency Management Agency, Flood Mapping Service:

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

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

US Fish and Wildlife Service, National Wetlands Inventory:

www.fws.gov/wetlands/data/mapper.html (compilation of numerous maps)

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

Puerto Rico Coastal Zone Management Program Plan, September 2009.

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

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

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

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

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

List of Permits Obtained: None.

Public Outreach [24 CFR 58.43]: The recovery process has seen significant proactive involvement from the local community. Puerto Rico Department of Agriculture has worked closely with the agricultural community. This project will include a FONSI/NOI-RROF in compliance with NEPA regulations for HUD.

Cumulative Impact Analysis [24 CFR 58.32]: In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the purchase and installation of an 18' x 400' greenhouse and the purchase of a land (3.05 acres) for an agricultural site.

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

The Regrow Program purpose is to enhance and expand agricultural production related to economic revitalization and sustainable development activities while promoting and increasing food security island wide. The "Alternative" action would mean that the applicant would consider other locations for the greenhouse or buy other land far from the proposed location. However, other locations may result in tree clearing prior to construction and/or need to fill in some steep area. Any option that requires going off-site would not contribute to the improvement and growth of agricultural production or enable economic development for this applicant.

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

The 'No-Action' alternative would mean that the applicant would not receive federal funding to provide the purchase and installation of an 18' x 400' greenhouse and the purchase of a land (3.05 acres) for an agricultural site which would inhibit the economic growth opportunity that the applicant would not otherwise have under the PRDOH Re-Grow Puerto Rico program. As a result, these owners may not be able to experience the growth needed to recover and expand their agriculture activities. A provision of the grant allows for economic development for businesses. The No-Action alternative would not allow for the economic development for this applicant.

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

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

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

Law, Authority, or Factor	Mitigation Measure
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Soil suitability will be assessed prior to construction. Contractors will be required to use BMPs during construction if erosion impacts occur. The construction manager should investigate if a DNER authorization is required for any land alteration associated with the proposed project activities.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	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.
Hazards and Nuisances including Site Safety and Noise	While construction is underway, there will be a temporary rise in noise levels.

	<p>Contractors will be required to comply with the applicable local noise ordinances. Noise impacts will be mitigated by restricting construction activities to daylight hours.</p>
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Determination:

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

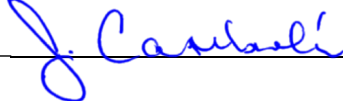
The project will not result in a significant impact on the quality of the human environment.

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: 3/18/2024

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

Certifying Officer Signature:  Date: 5/14/2024

Name/Title: Janette I. Cambrelén, Permit and Environmental Compliance Specialist

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

Figures

Figure 1

Location: USGS Aerial Map

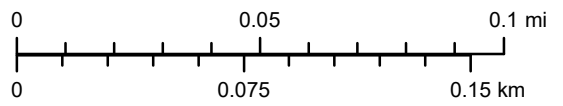
Puerto Rico Department of Housing ReGrow



Greenhouse
Lat:18.248605
Long:-66.267458

Legend:

- Greenhouse
- Parcel 1: Greenhouse location
- Parcel 2: Land to Purchase
- CRIM_PARCELAS



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



1:2,500

Source

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



Airports Map

Puerto Rico Department of Housing ReGrow



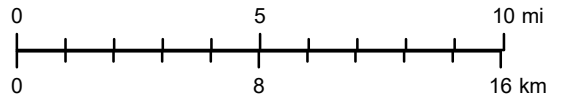
Legend:

● Applicant Structure

Accident Potential Zone

ZONE

- APZ 1
- APZ 2
- Clear Zone
- SJU Military Runaway
- Civil Runaway



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community Esri, Garmin, GEBCO, NOAA NGDC, and other contributors



1:250,000

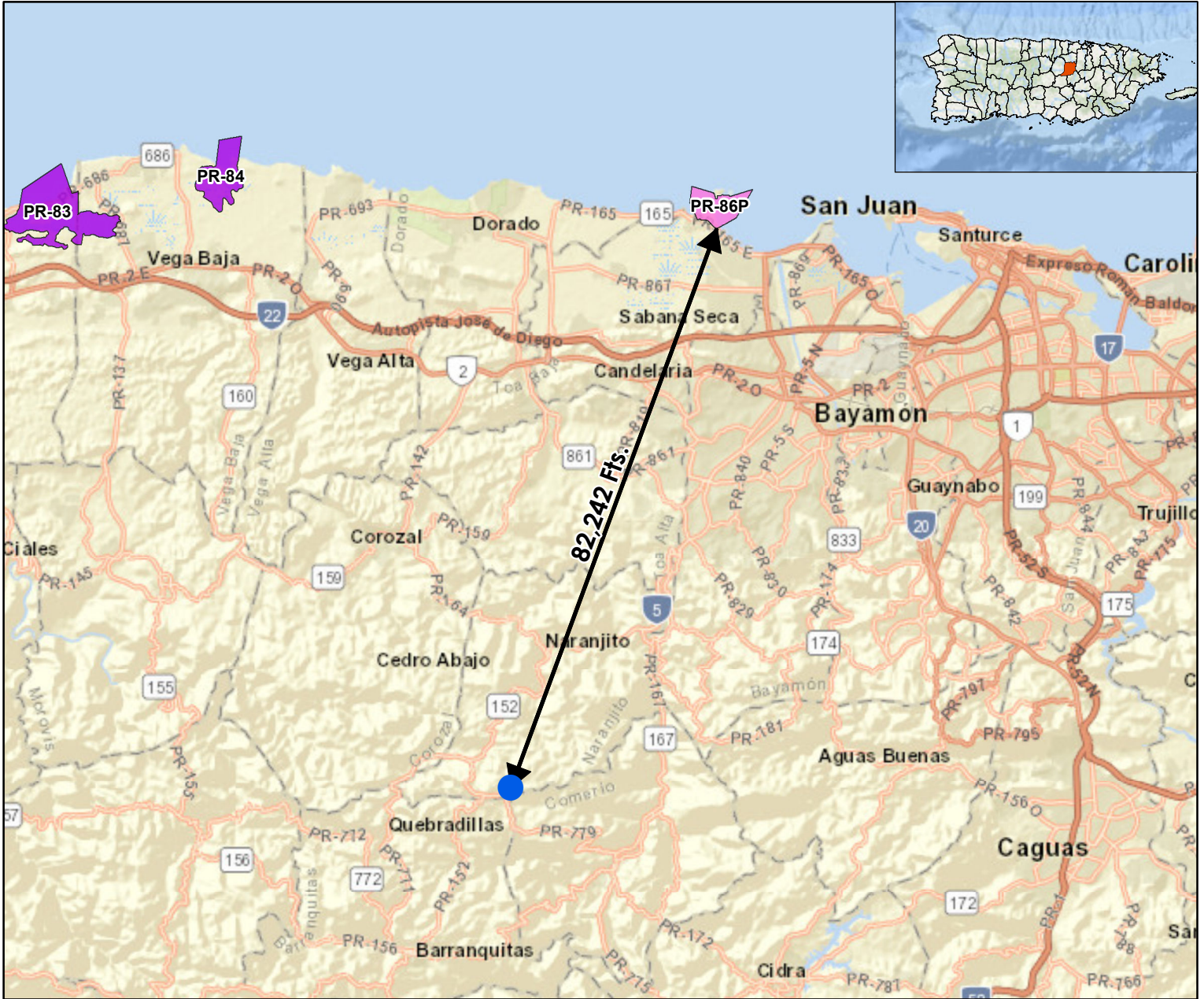
Source

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

Figure 3

Coastal Barrier Resources System

Puerto Rico Department of Housing ReGrow



Legend:

● Applicant Structure

Coastal Barrier Resources System (CBRS)

Otherwise Protected Area

System Unit



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community Esri, Garmin, GEBCO, NOAA NGDC, and other contributors



1:250,000

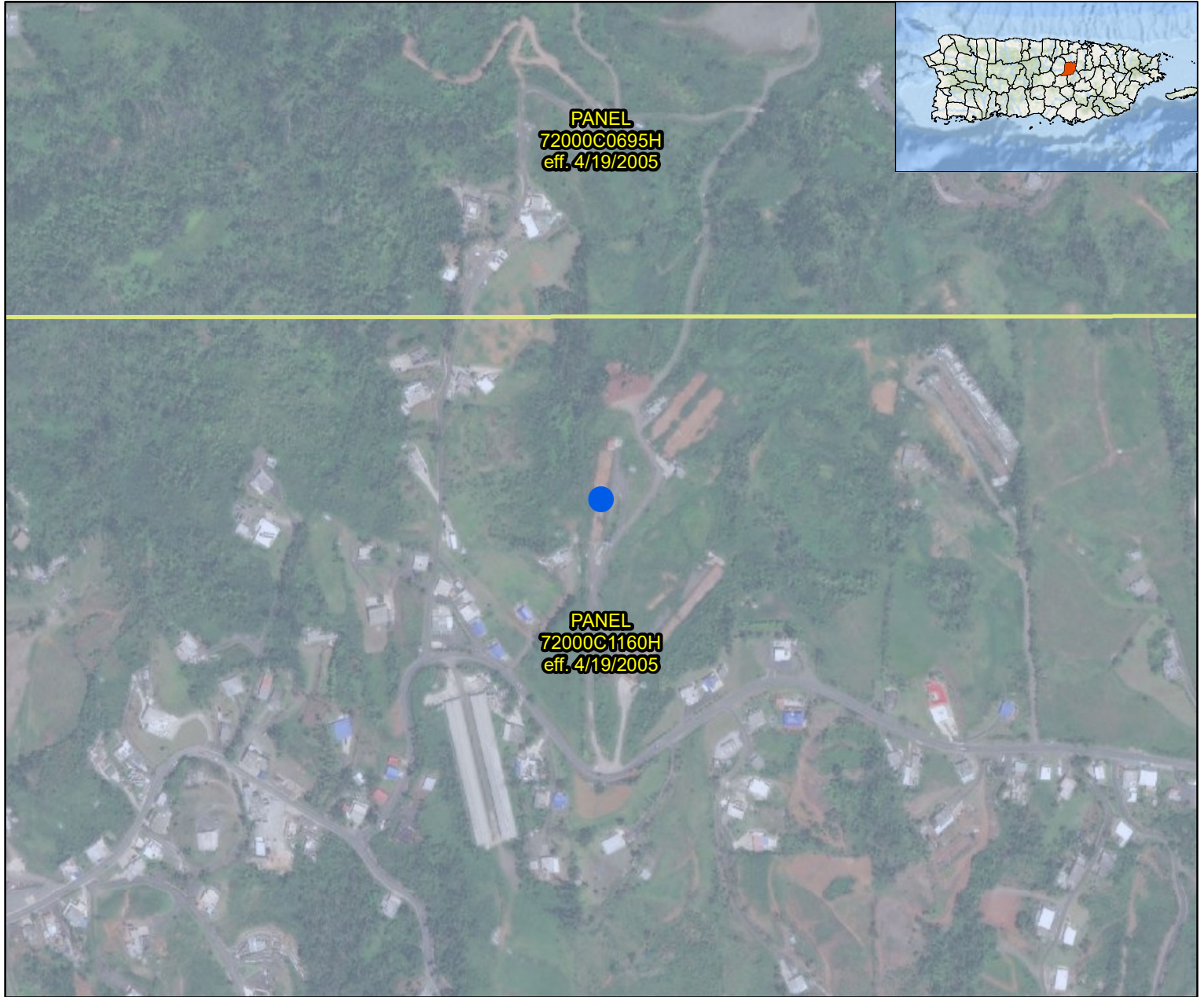
Source

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

Figure 4

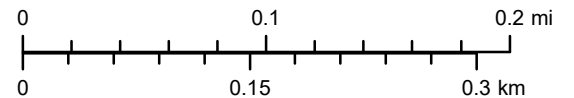
Flood Insurance Rate Map

Puerto Rico Department of Housing ReGrow



Legend:

- Applicant Structure
- Area of Minimal Flood Hazard-Zone X Zone X
- FIRM Panel



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



1:5,000

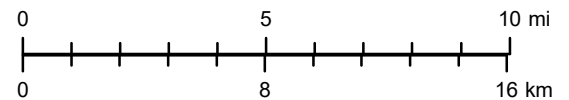
Source

FEMA's National Flood Hazard Layer
<https://www.fema.gov/flood-maps/national-flood-hazard-layer>

Figure 5

Coastal Zone Management

Puerto Rico Department of Housing ReGrow



Legend:

- Applicant Structure
- Coastal Zone Management

Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community Esri, Garmin, GEBCO, NOAA NGDC, and other contributors



1:250,000

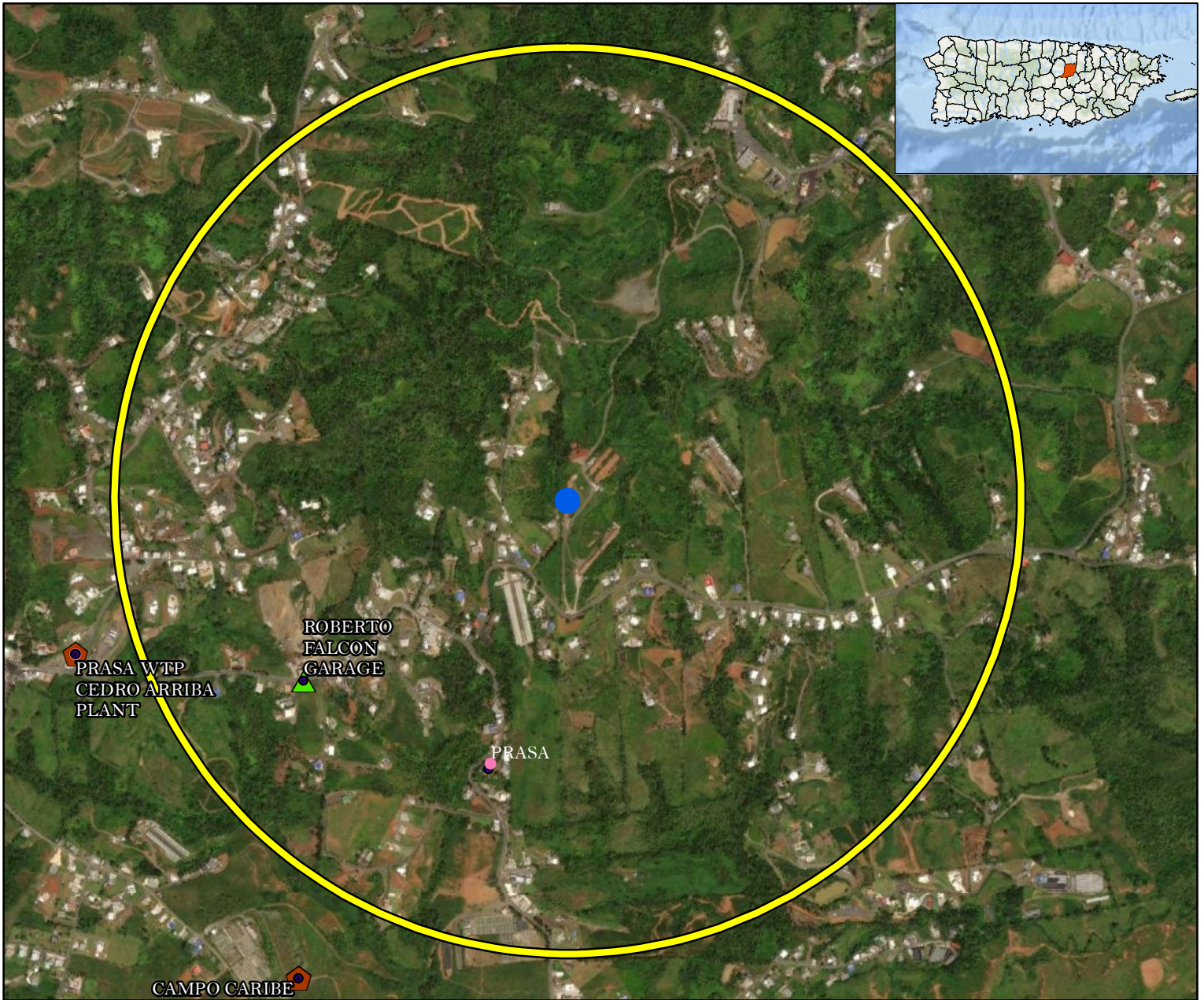
Source

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

Figure 6

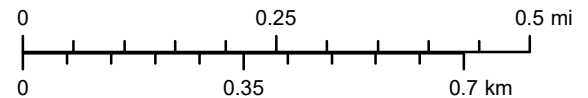
Toxic and Hazardous Facilities

Puerto Rico Department of Housing ReGrow



Legend:

- Applicant Structure
- 3,000 Ft. (914.4 Mts.) Buffer
- ICIS
- ▭ NPDES
- ▲ RCRA
- ▲ RCRA_INACTIVE



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



1:12,000

Source

EPA Facility Registry Service (FRS)
<https://www.epa.gov/frs>

Figure 7

Threatened and Endangered Species

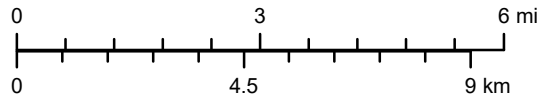
Puerto Rico Department of Housing ReGrow



Legend:

● Applicant Structure

Critical Habitat



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors
Esri, HERE, DeLorme, TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS user

Source

NOAA Office of Response and Restoration
<https://response.restoration.noaa.gov/>



1:150,000

Figure 8

Farmland Protection

Puerto Rico Department of Housing ReGrow



Legend:

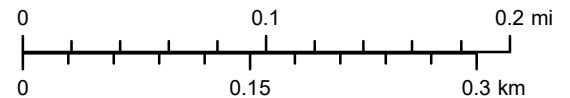
● Applicant Structure

Farm Class

All areas are prime farmland

Farmland of statewide importance

Not prime farmland



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



1:5,000

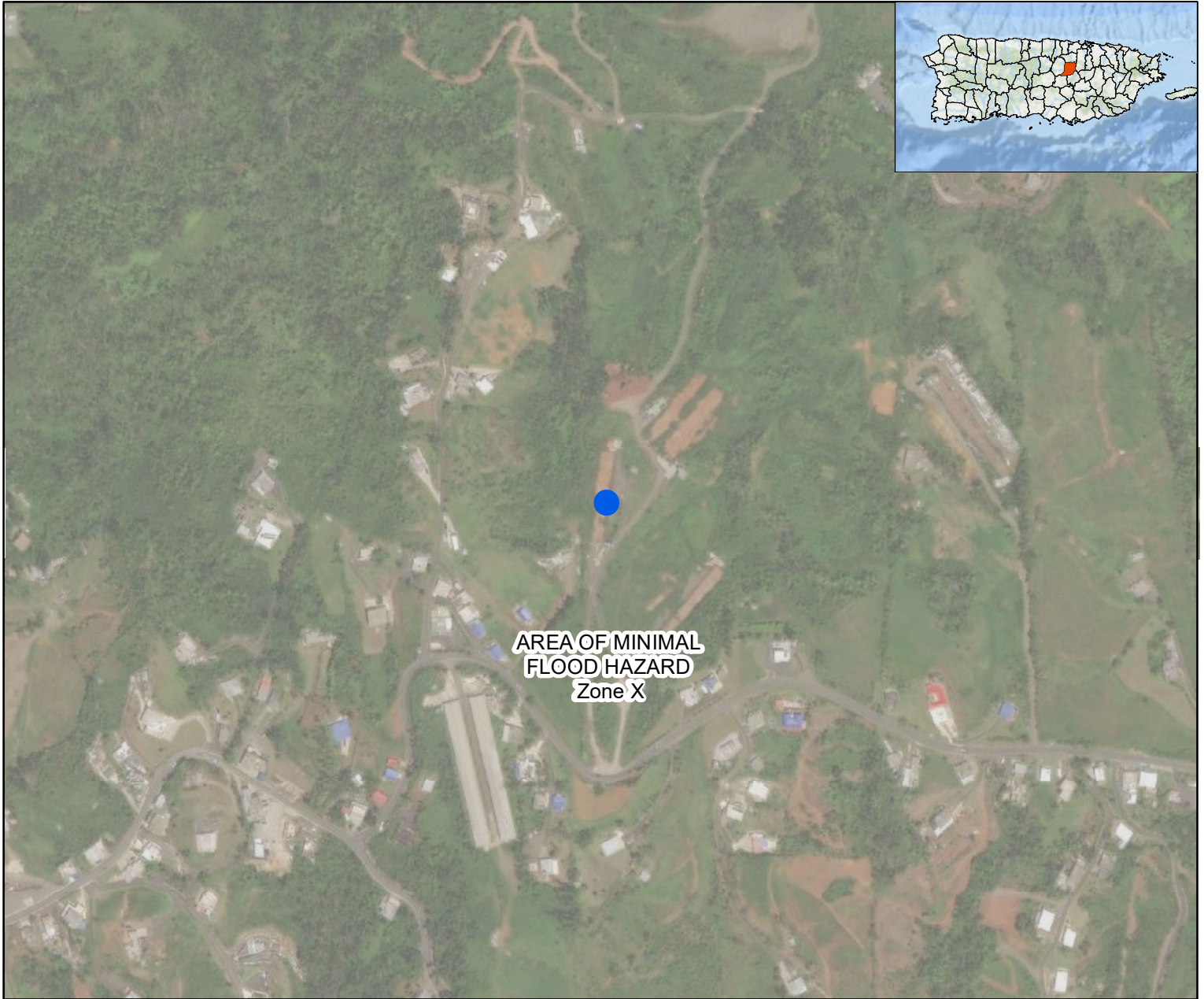
Source

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

Figure 9


Advisory Base Flood Elevation Map

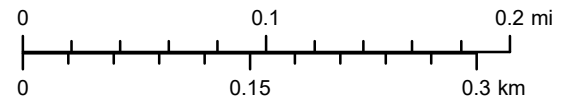
Puerto Rico Department of Housing ReGrow



Legend:

 Applicant Structure

 Area of Minimal Flood Hazard Zone X



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



1:5,000

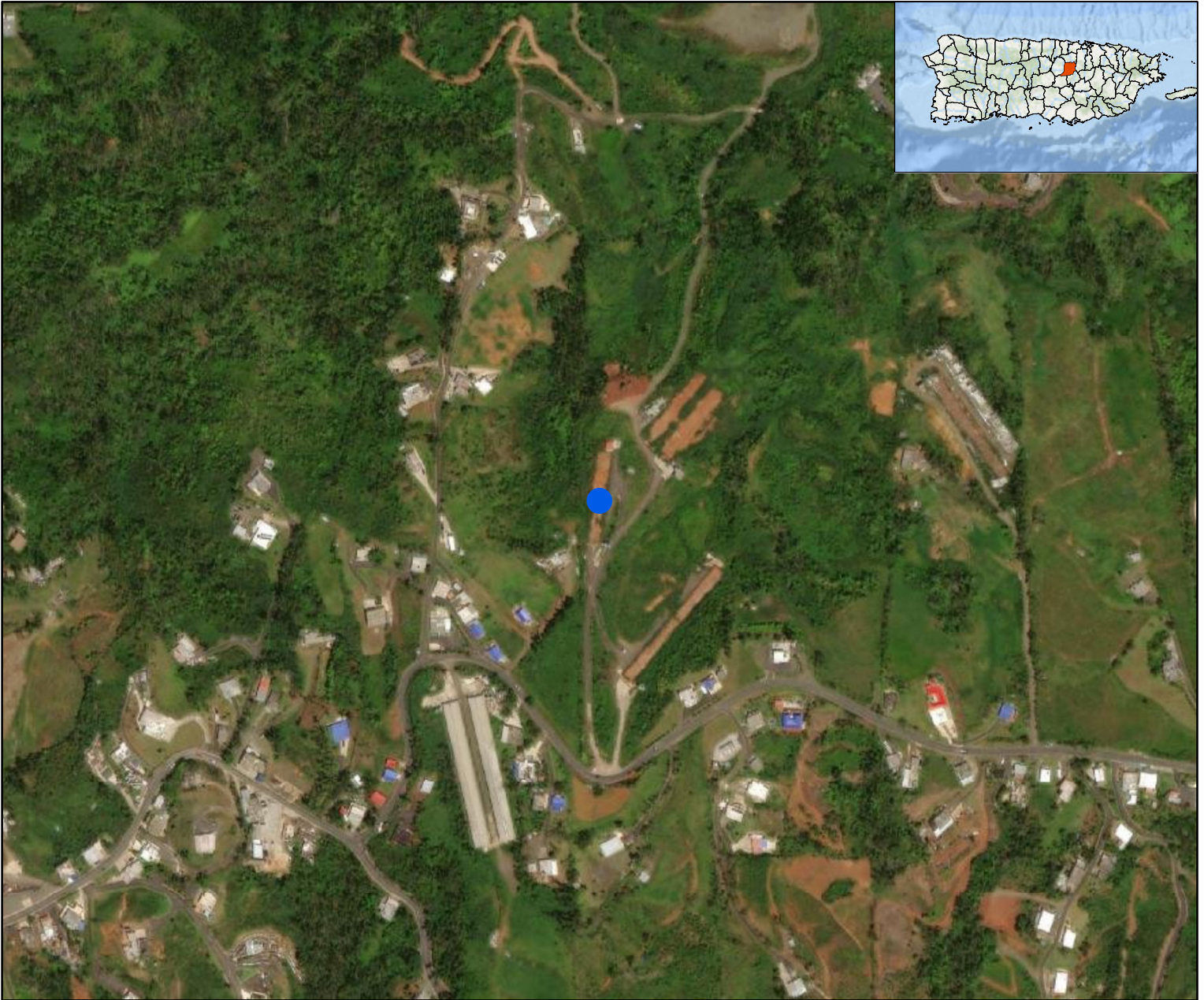
Source

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



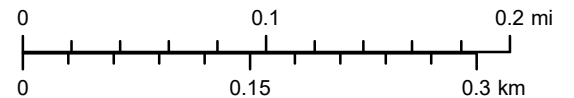
Historic Preservation

Puerto Rico Department of Housing ReGrow



Legend:

- Applicant Structure



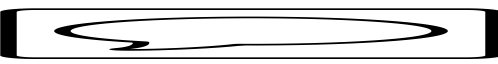
Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth





1:5,000

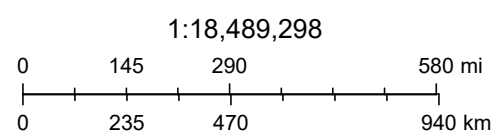
Source

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



Legend:

-  EPA_Sole_Source_Aquifers
-  Applicant Structure



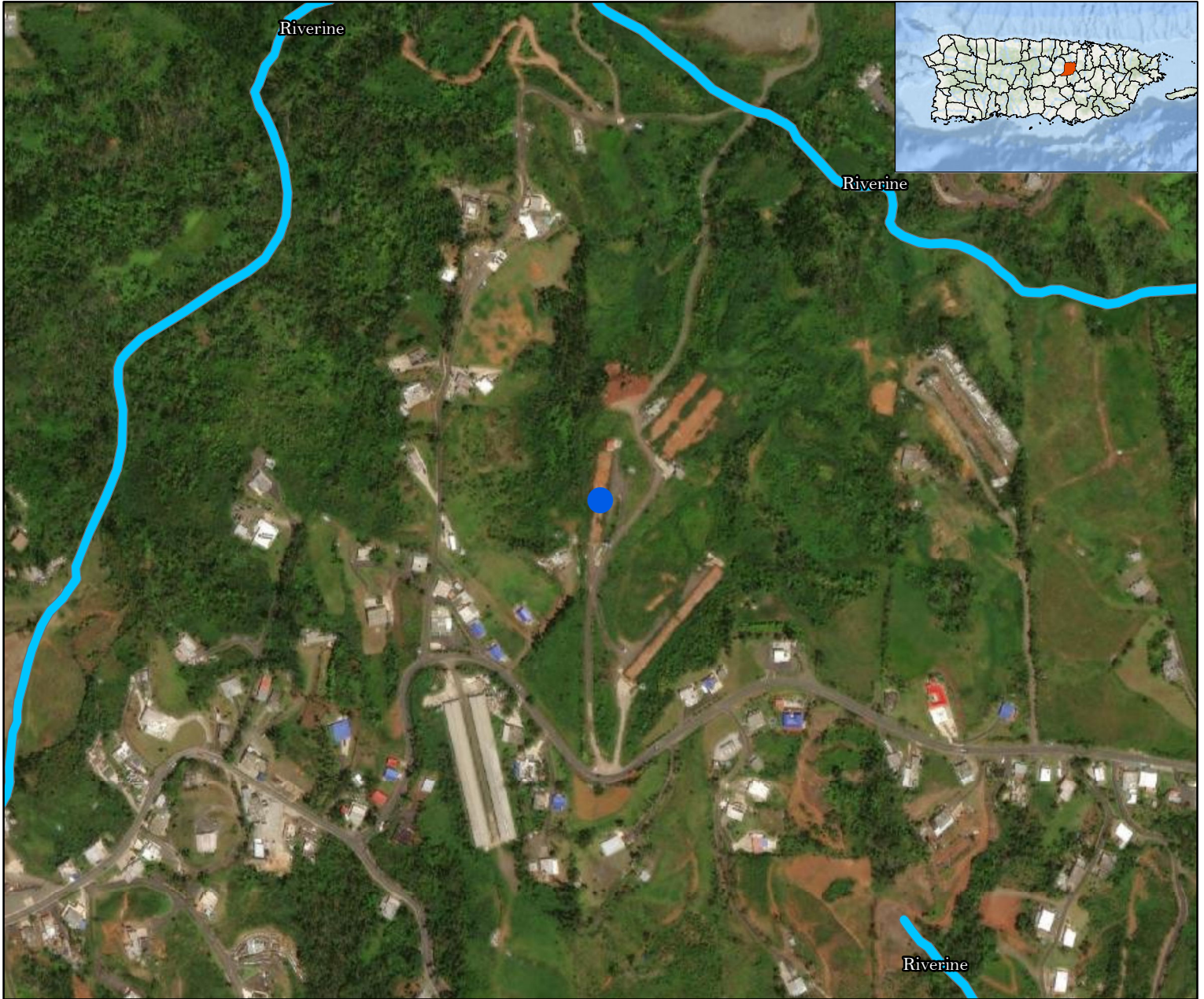
Source



Figure 1

Wetlands

Puerto Rico Department of Housing ReGrow

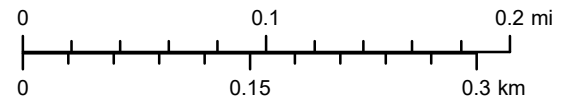


Legend:

● Applicant Structure

National Wetlands Inventory

■ Riverine



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



1:5,000

Source

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

Figure 1

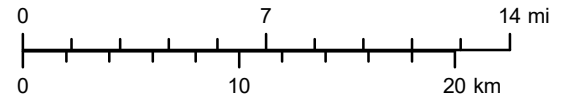
Wild and Scenic Rivers

Puerto Rico Department of Housing ReGrow



Legend:

- Applicant Structure
- Wild and Scenic Rivers



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community Esri, Garmin, GEBCO, NOAA NGDC, and other contributors



1:350,000

Source

FWS National Wild and Scenic Rivers System
<https://www.rivers.gov/mapping-gis.php>



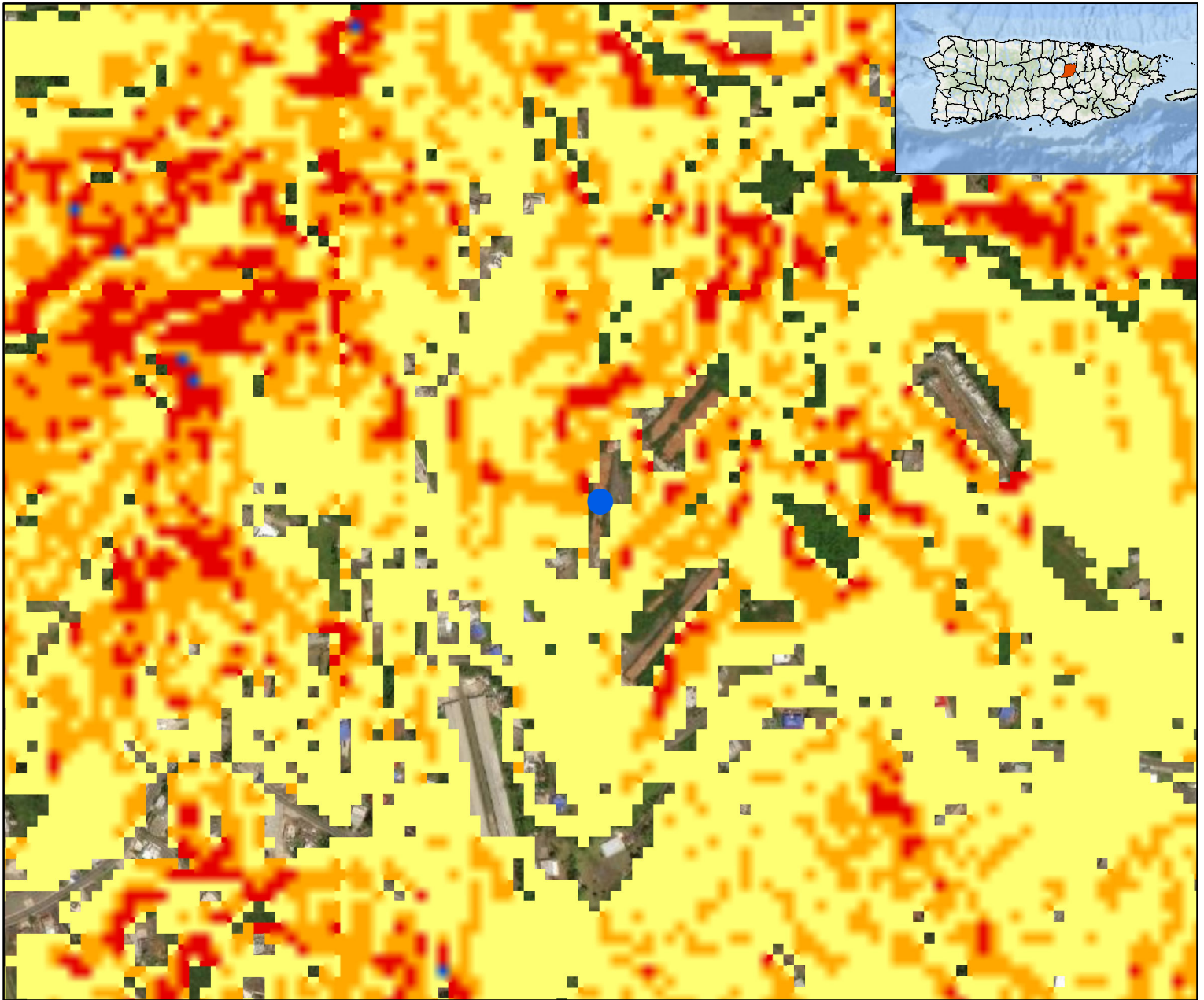
Landslide Susceptibility

Puerto Rico Department of Housing ReGrow







Application ID: PR-RGRW-02128

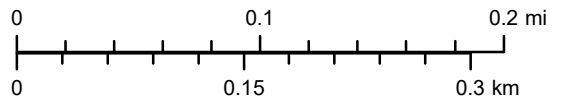
True Leaf Farm LLC
Bo. Cedro Arriba, Solar 2,
Naranjito, PR, 00719

Catastro:195-098-070-22 & 195-098-070-21
Lat: 18.248605. Long: -66.267458
Lat: 18.248121. Long: -66.267037



Legend:

-  Applicant Structure
-  Low
-  Moderate
-  High
-  Very High
-  Extremely High



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



1:5,000

Source

U.S. Geological Survey (USGS)
<https://pubs.er.usgs.gov/publication/ofr20201022>

Appendix 1



GOVERNMENT OF PUERTO RICO

STATE HISTORIC PRESERVATION OFFICE

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

February 6, 2024

Lauren Bair Poche

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

SHPO: CF-02-03-24-04 PRDOH – DR RE-GROW PROGRAM – PR – RGRW – 02128
TRUE LEAF FARM LLC – CARR. 809 KM 5.7 BARRIO CEDRO ARRIBA, NARANJITO,
PUERTO RICO

Ms. Bair 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/OEDJR



February 5, 2024

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

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

Section 106 NHPA Effect Determination Submittal: PR-RGRW-02128 – True Leaf Farm LLC – Carr. 809 Km 5.7 Bo. Cedro Arriba, Naranjito, Puerto Rico – *No Historic Properties Affected*

Dear Architect Rubio Cancela,

In accordance with Section 106 of the National Historic Preservation Act and its implementing regulations, 36 CFR Part 800, HORNE is providing information for your review and requesting your concurrence regarding the above-referenced projects on behalf of the Puerto Rico Department of Housing (PRDOH). On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (Housing) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents.

On behalf of PRDOH and the subrecipient, the Puerto Rico Department of Agriculture, HORNE is submitting documentation for activities proposed by True Leaf Farm LLC located at Carr. 809 Km 5.7 Bo. Cedro Arriba, in the municipality of Naranjito. The undertaking for this project includes the purchase and installation of an 18' x 400' greenhouse and the purchase of land. The installation of a greenhouse in parcel 195-098-070-22-000 requires ground disturbance. The greenhouse will be anchored to supports spaced 10' feet apart and buried 2 feet deep in the ground. The water needed for the greenhouse will be provided by an existing water well on the property and new pipes will be installed above the ground. The existing water well is approximately 400 feet from the greenhouse proposed location. No new electric connections will be required. The scope of work also includes the purchase of the adjacent parcel to the south (parcel: 195-098-070-21-000) with the idea of expanding production of microgreens.

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

Please contact me by email at lauren.poche@horne.com or phone at 225-405-7676 with any questions or concerns.


Kindest regards,



Lauren Bair Poche, M.A.

Architectural Historian, EHP Senior Manager
LBP/JLE

Attachments

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM		
REGrow PUERTO RICO PROGRAM		
Section 106 NHPA Effect Determination		
Applicant: True Leaf Farm LLC		
Case ID: PR-RGRW-02128	City: Naranjito	

Project Location: Carr. 809 Km 5.7 Bo. Cedro Arriba, Naranjito PR, 00719	
Project Coordinates: 18.248605 -66.267458; 18.248121, -66.267037	
TPID (Número de Catastro): 195-098-070-22-000; 195-098-070-21-000	
Type of Undertaking:	
<input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): n/a	Property Size (acres): 6.29

SOI-Qualified Archaeologist: Jaqueline López Meléndez
Date Reviewed: October 17, 2023


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

Project Description (Undertaking)

The proposed activities for PR-RGRW-02128 consist of the purchase and installation of an 18' x 400' greenhouse and the purchase of land. The installation of a greenhouse in parcel 195-098-070-22-000 requires ground disturbance. The greenhouse will be anchored to 10' spaced supports buried 2 feet deep on a ground that is covered with a plastic tarp. The water needed for the greenhouse will be provided by an existing water well on the property and new pipes will be installed above the ground. The existing water well is approximately 400 feet from the greenhouse proposed location. The power needed to operate the water well will be provided by an existing PREPA/LUMA connection on the property. It will not be necessary to install new power lines. The scope of work also includes the purchase of the land next to the greenhouse (parcel: 195-098-070-21-000) with the idea of expanding production of microgreens. The project area where the greenhouse will be installed is located at Bo. Cedro Arriba, Solar 2 within the Municipality of Naranjito. Based on a review of historical aerial imagery, the general area of the greenhouse location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area). It remains predominantly agricultural through to the present day, although residential development is evident along roadways.

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

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ReGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 <small>GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING</small>
Applicant: True Leaf Farm LLC	
Case ID: PR-RGRW-02128	City: Naranjito

APE for this project is the location of the greenhouse plus a 15-meter buffer and the visual APE is the viewshed of the proposed project.

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that there are no reported archaeological sites, archaeological materials of significant cultural properties within a half-mile (0.50 miles) radius of the project location. The closest reported archaeological site to the PR-RGRW-02128 project area is the Pre-Columbian site La Vega (ICP: NJ-1) located 0.67 miles north. The proposed project is located in Naranjito, at an elevation between 295 and 230 feet above sea level. Per the USGS/NRCS Web Soil Survey, the project area is within mapped soil series: Humatas. The project area APE is in HtF. The nearest bodies of water are an unnamed creek, located 0.22 miles northeast and 0.27 miles. The coast is approximately 15.19 miles northeast from the project area.


There are three (3) archaeological studies within 0.50 miles radius of the project area, all with negative results (see table).

The soil in the project area has been classified as Humatas clay, 40 to 60 percent slopes (HtF). This is deep soil, very steep, and well drained. It is on the side slopes and ridgetops of humid volcanic uplands. The permeability and available water capacity of this Humatas soil are moderate. Runoff is very rapid, and fertility is medium. Slope and an erosion hazard make this soil poorly suited for cultivated crops.

The project area does not have cultural resources that are listed either on the National Register of Historic Places (NRHP) or in a Traditional Urban Center or Historic District. On October 16, 2023, we visually inspected the project area. The area where the greenhouse will be placed has a flat topography. The surface of the area where the greenhouse will be installed is covered with plastic tarp. A review of aerial imagery shows a previous greenhouse at this location was demolished in 2017.

Determination

The project area is not within or adjacent to the boundaries of a National Register of Historic Places (NRHP)-eligible or listed historic district or Traditional Urban Center. There are no reported archaeological materials or significant cultural properties within a half-mile radius of the proposed project location. There are no known archaeological sites or NRHP listed/eligible historic properties within or adjacent to the property or the parcel in which the Area of Potential Effect of case PR-RGRW-02128 is located. The construction and 2017 demolition of the earlier greenhouse, construction of roads, utilities,

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: True Leaf Farm LLC	
Case ID: PR-RGRW-02128	City: Naranjito

and agricultural infrastructure has impacted the surrounding terrain. Therefore, no historic properties will be affected by the project activities.

Recommendation

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

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

This Section is to be Completed by SHPO Staff Only

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


PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REgROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		
Applicant: True Leaf Farm LLC		
Case ID: PR-RGRW-02128	City: Naranjito	

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

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

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

Author	Phase/Title	Year	SHPO / IPRC code	Results	Distance/Direction
Hernán Ortíz	IA-IB/ Extensión of the Water Supply System at Doña Elena ward	1987	ICP/CAT-CM-87-01-02	Negative	0.10 mi SW
Marisol Martínez	IA/ Mejoras al Sistema de Agua Potable del Municipio de Comerío	2000	ICP/CAT-CM-00-03-07	Negative	0.10 mi SW
Marisol Martínez	IA/ Adendum al Proyecto Mejoras al Sistema de Agua Potable del Municipio de Comerío	2003	ICP/CAT-CM-03-03-08	Negative	0.10 mi SW

Applicant: True Leaf Farm LLC

Case ID: PR-RGRW-02128

City: Naranjito

Project (PR-RGRW-02128) Location – Area of Potential Effect Map (Aerial)

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Ciudad, Idrera 1 Suite 2-3, Calle Perseus 564, Arroyo, San Juan, P.R. 00920 Tel: (787)769-0290

Application ID: PR-RGRW-02128

True Leaf Farm LLC
Bo. Cedro Arriba, Solar 2,
Naranjito, PR, 00719
Catastro: 195-098-070-22 & 195-098-070-21
Lat: 18.248605. Long: -66.267458

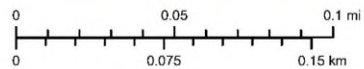
Area of Potential Effect

Puerto Rico Department of Housing ReGrow



Legend:

- Area of Potential Effect
- 02128-Greenhouse
- Land to Purchase
- Greenhouse Parcel
- CRIM_PARCELAS_2018



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



Source

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

Project (PR-RGRW-02128) Location - Aerial Map

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Carretera Iborra 1 Suite J-3, Calle Ponce 554, Arroyo, San Juan, P.R. 00920 Tel: (787) 753-0290

Application ID: PR-RGRW-02128

Location: USGS Aerial Map

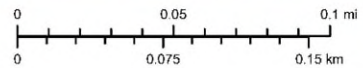
Puerto Rico Department of Housing ReGrow

True Leaf Farm LLC
Bo. Cedro Arriba, Solar 2,
Naranjito, PR, 00719
Catastro: 195-098-070-22 & 195-098-070-21
Lat: 18.248605. Long: -66.267458



Legend:

- Applicant Structure
- Parcel 1: Greenhouse location
- Parcel 2: Land to Purchase
- CRIM_PARCELAS_2018



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



Source

United States Geological Survey (USGS)
National Geographic Map Database
https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html

Applicant: True Leaf Farm LLC

Case ID: PR-RGRW-02128

City: Naranjito

Project (PR-RGRW-02128) Location - USGS Topographic Map

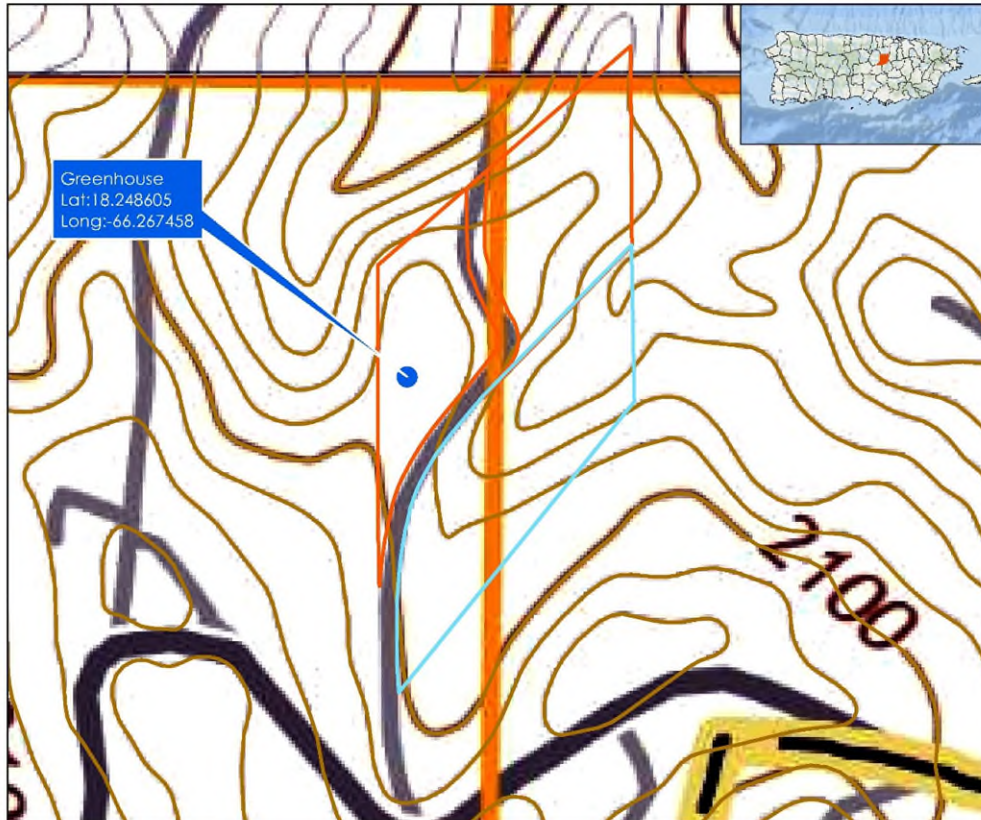
BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Carril, Suite 1 Suite 4-3, Calle Ponce 554, Arroyo, San Juan, P.R. 00920 Tel: (787) 763-0290

Application ID: PR-RGRW-02128

Location: USGS Topographic Map

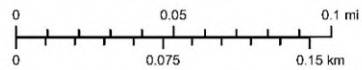
Puerto Rico Department of Housing ReGrow

True Leaf Farm LLC
Bo. Cedro Arriba, Solar 2,
Naranjito, PR, 00719
Catastro: 195-098-070-22 & 195-098-070-21
Lat: 18.248605. Long: -66.267458



Legend:

- Applicant Structure
 - Parcel 1: Greenhouse location
 - Parcel 2: Land to Purchase
 - Contour Interval 20 Feet
- Quadrangle: Barranquita**



Service Layer Credits: Esri, Garmin, GEBCO, NOAA
NGDC, and other contributors and Google Earth



1:2,500

Source

United States Geological Survey (USGS)
National Geographic Map Database
https://ngmdb.usgs.gov/ngmdb/ngmdb_home.htm

Applicant: True Leaf Farm LLC

Case ID: PR-RGRW-02128

City: Naranjito

Project (PR-RGRW-02128) Location – Soils Map

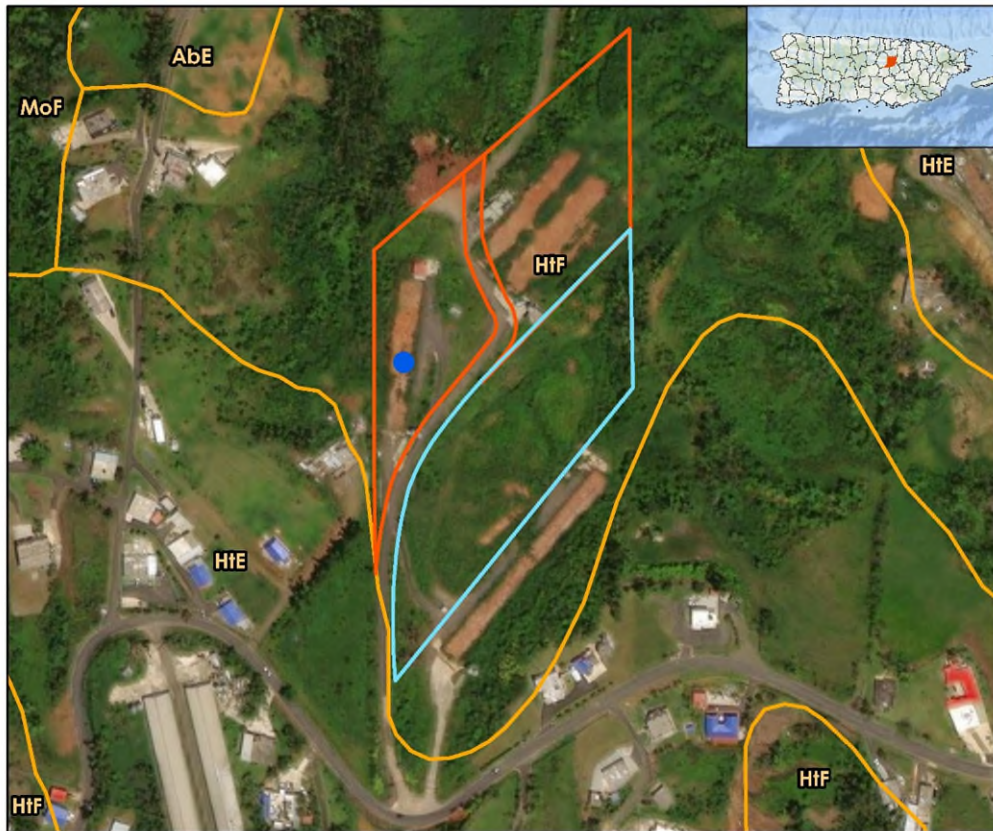
BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Carretera Ibero 1 Suite J-3, Calle Perseo 554, Añasco, San Juan, PR, 00920 Tel: (787) 763-0290

Application ID: PR-RGRW-02128

True Leaf Farm LLC
Bo. Cedro Arriba, Solar 2,
Naranjito, PR, 00719
Catastro: 195-098-070-22 & 195-098-070-21
Lat: 18.248605. Long: -66.267458

Soils Map

Puerto Rico Department of Housing ReGrow

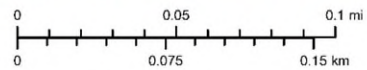


Legend:

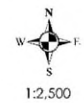
- Applicant Structure
- Land to Purchase
- Greenhouse Parcel
- Soil Map Unit Symbol

Soil Map Unit Symbol

AbE - Aibonito clay, 20 to 40 percent slopes
HIE - Humatas clay, 20 to 40 percent slopes
HIF - Humatas clay, 40 to 60 percent slopes



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



Source

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

Applicant: True Leaf Farm LLC

Case ID: PR-RGRW-02128

City: Naranjito

Project (PR-RGRW-02128) Location with Previous Investigations - Aerial Map

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
DOMS: 00004, 1 Suato J-3, 0380 PR040 004, ARI0104, SAN JUAN, P.R. 00903 108 (787)763-0290

Application ID: PR-RGRW-02128

Previous Investigations: Aerial Map

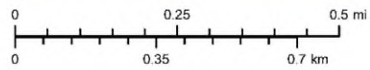
Puerto Rico Department of Housing ReGrow

True Leaf Farm LLC
Bo. Cedra Arriba, Solar 2,
Naranjito, PR, 00719
Catastro: 195-098-070-22 & 195-098-070-21
Lat: 18.248605. Long: -66.267458



Legend:

- Applicant Structure
- 0.5 Mile (0.8Km) Buffer
- Land to Purchase
- Greenhouse Parcel



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



Source

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

Project (PR-RGRW-02128) Location with Previous Investigations -Topographic Map

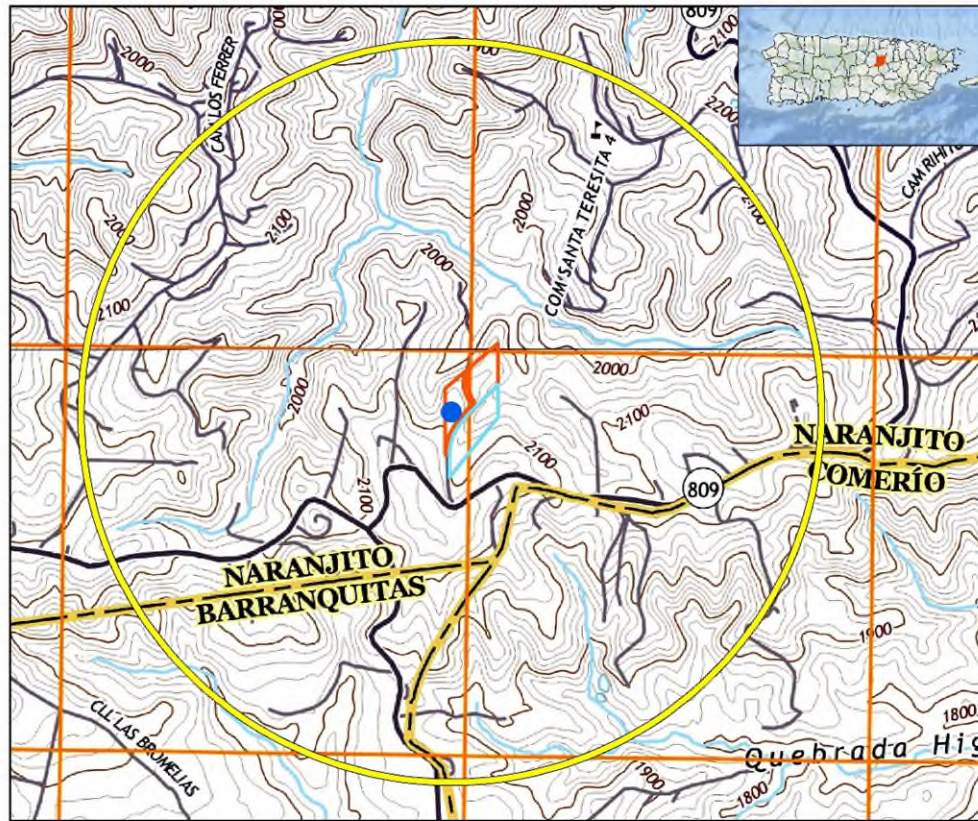
BYA BEIHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Carretera Urbana 1, Edificio 2-3, Calle Ponce 1814, Arecibo, San Juan, P.R. 00922 Tel: (787) 219-0200

Application ID: PR-RGRW-02128

Previous Investigations: USGS Topographic Map

Puerto Rico Department of Housing ReGrow

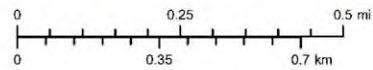
True Leaf Farm LLC
Bo. Cedro Arriba, Solar 2.
Naranjito, PR, 00719
Catastro: 195-098-070-22 & 195-098-070-21
Lat: 18.248605. Long: -66.267458



Legend:

- Applicant Structure
- 0.5 Mile (0.8Km) Buffer
- Land to Purchase
- Greenhouse Parcel

Quadrangle: Barranquita



Service Layer Credits: Esri, Garmin, GEBCO, NOAA, NGDC, and other contributors and Google Earth



1:12,000

Source

United States Geological Survey (USGS)
National Geographic Map Database
https://ngmdb.usgs.gov/ngmdb/fgmmb_home.htm

Photograph Key

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Corkin, Irvine 1 State #3, Calle Pirata 554, Altavilla, San Juan, P.R. 00920 Tel: (787) 723-0290

Application ID: PR-RGRW-02128

Area of Potential Effect

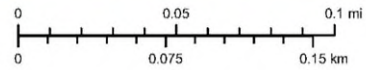
Puerto Rico Department of Housing ReGrow

True Leaf Farm LLC
Bo. Cedro Arriba, Solar 2,
Naranjito, PR, 00719
Catastro: 195-098-070-22 & 195-098-070-21
Lat: 18.248605. Long: -66.267458



Legend:

- Area of Potential Effect
- 02128-Greenhouse
- Land to Purchase
- Greenhouse Parcel
- CRIM_PARCELAS_2018



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors and Google Earth



Source

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



Applicant: True Leaf Farm LLC

Case ID: PR-RGRW-02128

City: Naranjito



Photo #: 1

Description (include direction): General area where the greenhouse will be installed, looking south.

Date: October 16, 2023



Photo #: 2

Description (include direction): General area where the greenhouse be installed, looking north.

Date: October 16, 2023



October 20, 2022

Arch. Carlos A. Rubio Cancela

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

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

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

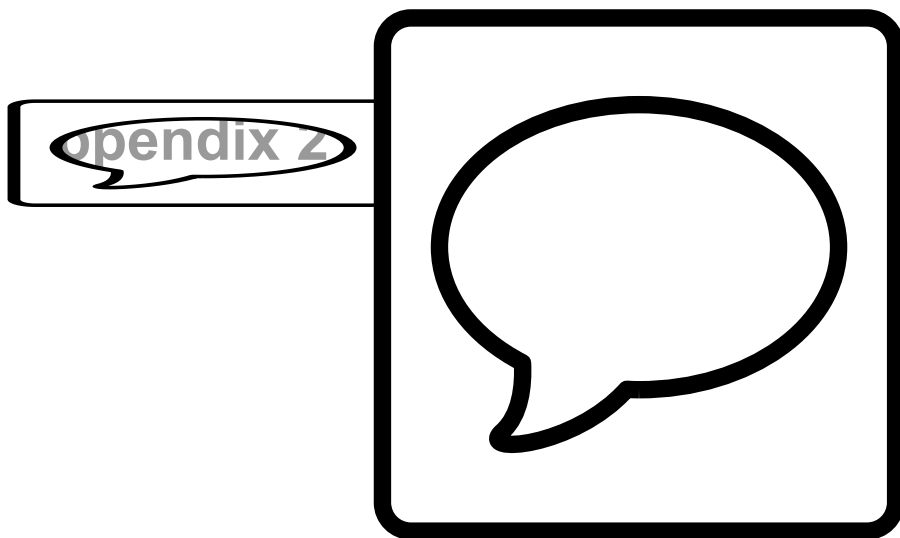
In line to expedite the processes, Horne Federal LLC, is authorized to submit to the State Historic Preservation Officer, documentation of projects related to both the CDBG-DR and CDBG-MIT on behalf of PRDOH.

Cordially,

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT





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

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

Data is current as of March 31, 2023

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

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

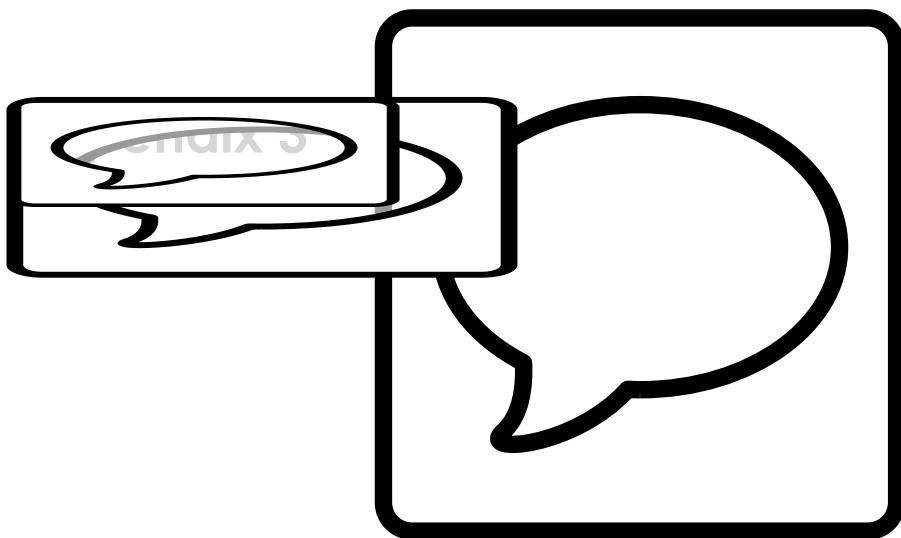
PUERTO RICO

Important Notes

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

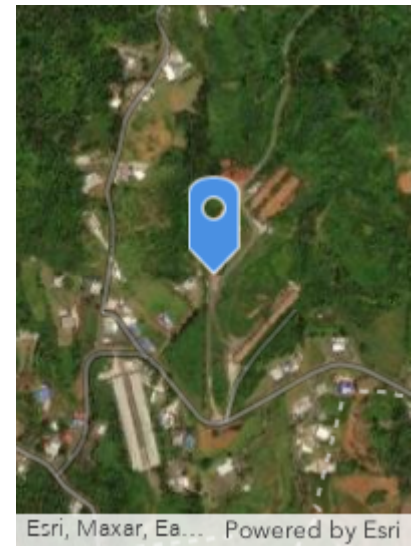
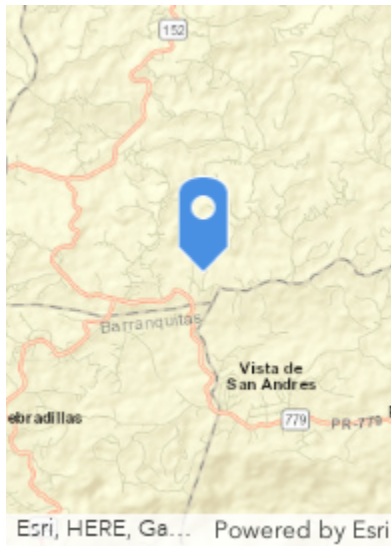
County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	11121314151617181920212223	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	929394959697989900010203040506070809	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	181920212223	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	52,441	72/137

Important Notes



APPLICANT/LOCATION INFORMATION

Applicant ID:	PR-RGRW-02128
Applicant Name:	True Leaf Farm LLC
Parcel ID:	195-098-070-22-000; 195-098-070-21-000
Latitude:	18.248605
Longitude:	-66.267458
Street Address:	Carr. 809 Km. 5.7 Bo. Cedro Arriba
Municipio:	Naranjito
Zip Code:	00719
Site Inspector:	Egon Gonzalez
Date of Visit:	September 29, 2023
Time of Visit:	11:11
Building Type:	Greenhouse



FIELD OBSERVATIONS

Question	Answer	Notes
A. Is the structure in use?	No	
B. Is the structure a greenhouse?	Yes	Greenhouse measures 400ft x 18ft in
C. Is Electricity connected? (Utilities or Well)	Yes	Electricity provided by electric company
D. Is water connected? (Utilities or Well)	Yes	Water is provided from water well in land to be bought
1. Are there signs of poor housekeeping on site? (mounds of rubble, garbage, strom debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, etc.)	No	
2. Are there any 55-gallon drums visible on site? If yes, are they leaking?	No	
3. Are there any (or signs of any) underground storage tanks on the property?	No	
4. Are there signs of AST on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	Yes	Water box
5. Is there any stained soil or pavement on the parcel?	No	
6. Is a water drainage system in use?	No	
7. Is a warehouse in use for storage of Fertilizer or Pesticides?	Yes	
8. Are there any groundwater monitoring wells on the site or adjacent parcel?	No	
9. Is there evidence of a faulty septic system?	No	
10. Is there distressed vegetation on the parcel?	No	
11. Is there any visible indication of mold?	No	
12. Is there any visible evidence of asbestos, chipping, and flaking or peeling paint, or hazardous materials present in or on the structure?	No	
13. Are any additional site hazards observed?	No	
14. Is there any permanent standing water, such as a pond or stream, located on the site(do not include ponding from recent rain / weather events)?	No	
15. Does the subject property have water frontage?	No	
16. Is there any indication of the presence of wetlands?	No	
17. Are there any obvious signs of animals or birds nesting on or near the site?	No	
18. Is the applicant aware of any significant historcal event or persons associated with the structure, or of it being located in a historic district/ area?	No	
19. Is a historic marker present?	No	

Front of Structure

Photo Direction:

Comments: Greenhouse Dimensions:
50ft x 144ft Coordinates:



Facing Away from Front

Photo Direction:

Comments:



Side #1 of Structure

Photo Direction:

Comments: Left side of structure



Facing Away From Side #1

Photo Direction:

Comments:



Back of Structure

Photo Direction:

Comments:



Facing Away from Back

Photo Direction:

Comments:



Side #2 of Structure

Photo Direction:

Comments: Right side of structure



Facing Away from Side #2

Photo Direction:

Comments:



Streetscape #1

Photo Direction:

Comments:



Streetscape #2

Photo Direction:

Comments:



Address

Photo Direction:

Comments:



Architectural Details 1

Photo Direction:

Photo Description: Overview: Land requested



Architectural Details 2

Photo Direction:

Photo Description: Overview: Land requested



Architectural Details 3

Photo Direction:

Photo Description: Water box



Architectural Details 4

Photo Direction:

Photo Description: Land to be bought



Architectural Details 5

Photo Direction:

Photo Description: Electricity provided by water company



Architectural Details 6

Photo Direction:

Photo Description: Land requested to buy has water well



Architectural Details 7

Photo Direction:

Photo Description: Water well House



Architectural Details 8

Photo Direction:

Photo Description: Overview
greenhouse 50ft



Architectural Details 9

Photo Direction:

Photo Description: Example greenhouse



Architectural Details 10

Photo Direction:

Photo Description: Example greenhouse



Architectural Details 11

Photo Direction:

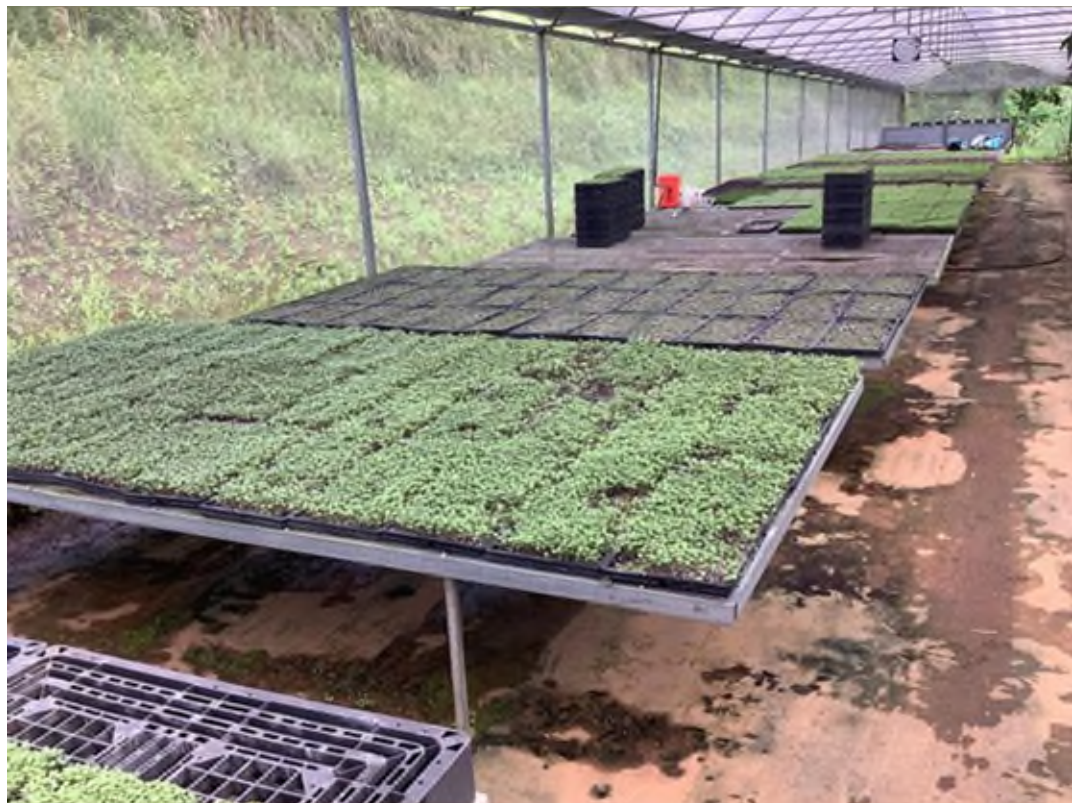
Photo Description: Greenhouse example



Architectural Details 12

Photo Direction:

Photo Description: Arugula



Architectural Details 13

Photo Direction:

Photo Description: Cilantrillo



Architectural Details 14

Photo Direction:

Photo Description: Fertilizer and pesticide storage





Detailed Facility Report

Facility Summary

ROBERTO FALCON GARAGE

RD 779 KM .6, COMERIO, PR 00782

FRS (Facility Registry Service) ID: 110007814810

EPA Region: 02

Latitude: 18.245324

Longitude: -66.272495

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	05/07/1997
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, (PRO007001696)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007814810					N	18.245324	-66.272495
RCRAInfo	RCRA	PRO007001696	Other	Inactive ()			N	18.245324	-66.272495

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007814810	ROBERTO FALCON GARAGE	RD 779 KM .6, COMERIO, PR 00782	Comerio Municipio
RCRAInfo	RCRA	PRO007001696	ROBERTO FALCON GARAGE	RD 779 KM .6, COMERIO, PR 00782	Comerio Municipio

Facility SIC (Standard Industrial Classification) Codes

No data records returned

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

Facility NAICS (North American Industry Classification System) Codes

No data records returned

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

Facility Tribe Information

No data records returned

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

Enforcement and Compliance

Compliance Monitoring History

No data records returned

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

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRO007001696	No	02/17/2024	0	02/16/2024

Three-Year Compliance History by Quarter

Statute	Program/ Pollutant/ Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRO007001696)		04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

Informal Enforcement Actions

No data records returned

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

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

Formal Enforcement Actions

No data records returned

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

Environmental Conditions

Watersheds

No data records returned

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

Assessed Waters From Latest State Submission (ATTAINS)

No data records returned

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

Air Quality Nonattainment Areas

No data records returned

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

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

No data records returned

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

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

No data records returned

Chemical Name

Community

Environmental Justice

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

EJScreen Indexes Shown

Compare to US State

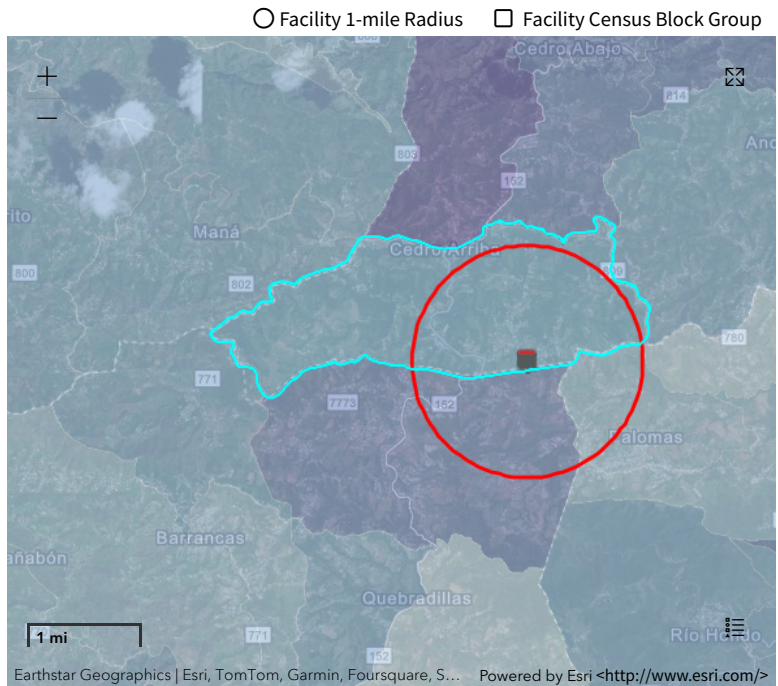
Index Type Environmental Justice Supplemental

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721055205003	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	6	6
Particulate Matter 2.5	0	--
Ozone	0	--
Diesel Particulate Matter	10	15
Air Toxics Cancer Risk	36	38
Air Toxics Respiratory Hazard Index	37	40
Toxic Releases to Air	1 99	1 99
Traffic Proximity	1 80	1 90
Lead Paint	0	1 96
Risk Management Plan (RMP) Facility Proximity	1 84	1 86
Hazardous Waste Proximity	61	77
Superfund Proximity	1 99	1 99
Underground Storage Tanks (UST)	1 92	1 92
Wastewater Discharge	1 99	1 99



Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (U.S. Census)	
Total Persons	3,147
Population Density	1,007/sq.mi.
Housing Units in Area	1,126

General Statistics (ACS (American Community Survey))	
Total Persons	3,153
Percent People of Color	100%
Households in Area	794
Households on Public Assistance	61
Persons With Low Income	2,911
Percent With Low Income	93%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.245324

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	189 (6%)
Minors 17 years and younger	843 (27%)
Adults 18 years and older	2,304 (73%)
Seniors 65 years and older	259 (8%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,664 (85%)
African-American	190 (6%)
Hispanic-Origin	3,127 (99%)
Asian/Pacific Islander	6 (0%)
American Indian	9 (0%)
Other/Multiracial	278 (9%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	285 (14.22%)

Geography	
Center Longitude	-66.272495
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	279 (35.05%)
\$15,000 - \$25,000	196 (24.62%)
\$25,000 - \$50,000	240 (30.15%)
\$50,000 - \$75,000	75 (9.42%)
Greater than \$75,000	6 (.75%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
9th through 12th Grade	105 (5.24%)
High School Diploma	616 (30.74%)
Some College/2-year	430 (21.46%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	254 (12.67%)



Detailed Facility Report

Facility Summary

PRASA (PALOMAS)

PR-779 KM 1.3, COMERIO, PR 00782

FRS (Facility Registry Service) ID: 110010602437

EPA Region: 02

Latitude: 18.243713

Longitude: -66.268978

Locational Data Source: ICIS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

No data records returned

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA):
No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No
Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110010602437					N	18.243713	-66.268978
ICIS		40827					N	18.243713	-66.268978

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110010602437	PRASA (PALOMAS)	PR-779 KM 1.3, COMERIO, PR 00782	Comerío Municipio
ICIS		40827	PRASA (PALOMAS)	RD 779 1.3 KM, COMERIO, PR 00782	Comerío Municipio

Facility SIC (Standard Industrial Classification) Codes

No data records returned

System	Identifier	SIC Code	SIC Description
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Facility NAICS (North American Industry Classification System) Codes

No data records returned

System	Identifier	NAICS Code	NAICS Description
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Facility Tribe Information

No data records returned

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

Compliance Monitoring History Last 5 Years

No data records returned

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

Compliance Summary Data

No data records returned

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

Informal Enforcement Actions

Last 5 Years

No data records returned

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

Formal Enforcement Actions

Last 5 Years

No data records returned

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

Watersheds

No data records returned

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

No data records returned

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

No data records returned

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

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

No data records returned

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

No data records returned

Chemical Name

Community

Environmental Justice

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

EJScreen Indexes Shown














Compare to US State

Index Type Environmental Justice Supplemental

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720199522023	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	6	6
Particulate Matter 2.5	0	--
Ozone	0	--
Diesel Particulate Matter	6	15
Air Toxics Cancer Risk	38	38
Air Toxics Respiratory Hazard Index	40	40
Toxic Releases to Air	 99	 99
Traffic Proximity	 86	 90
Lead Paint	 94	 96
Risk Management Plan (RMP) Facility Proximity	 82	 86
Hazardous Waste Proximity	68	77
Superfund Proximity	 99	 99
Underground Storage Tanks (UST)	0	 92
Wastewater Discharge	 99	 99

Facility 1-mile Radius Facility Census Block Group



0.6 mi



Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (U.S. Census)	
Total Persons	3,591
Population Density	1,163/sq.mi.
Housing Units in Area	1,303

General Statistics (ACS (American Community Survey))	
Total Persons	3,371
Percent People of Color	100%
Households in Area	871
Households on Public Assistance	55
Persons With Low Income	3,070
Percent With Low Income	91%

Geography	
Radius of Selected Area	1 mi.

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	242 (7%)
Minors 17 years and younger	964 (27%)
Adults 18 years and older	2,627 (73%)
Seniors 65 years and older	313 (9%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,998 (83%)
African-American	262 (7%)
Hispanic-Origin	3,570 (99%)
Asian/Pacific Islander	7 (0%)
American Indian	8 (0%)
Other/Multiracial	317 (9%)

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

Center Latitude	18.243713
Center Longitude	-66.268978
Land Area	100%
Water Area	0%

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

Less than \$15,000	338 (38.72%)
\$15,000 - \$25,000	207 (23.71%)
\$25,000 - \$50,000	229 (26.23%)
\$50,000 - \$75,000	94 (10.77%)
Greater than \$75,000	5 (.57%)

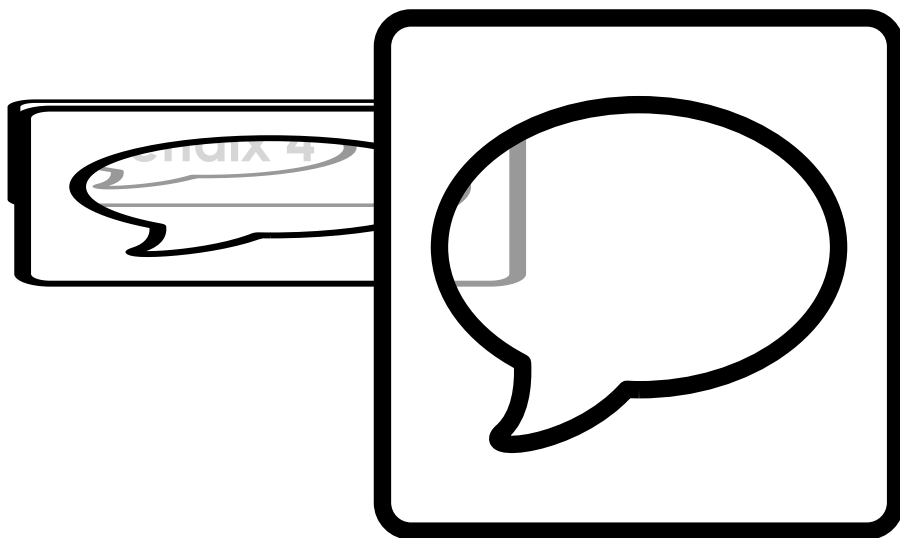
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)

Less than 9th Grade	287 (13.44%)
9th through 12th Grade	118 (5.52%)
High School Diploma	674 (31.55%)
Some College/2-year	432 (20.22%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	270 (12.64%)

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
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 ($\mu\text{g}/\text{m}^3$)	0.0363	0.0667	47	0.261	2
Air Toxics Cancer Risk* (lifetime risk per million)	20	20	15	25	5
Air Toxics Respiratory HI*	0.2	0.19	17	0.31	4
Toxic Releases to Air	1,400	4,300	68	4,600	66
Traffic Proximity (daily traffic count/distance to road)	14	180	18	210	20
Lead Paint (% Pre-1960 Housing)	0.091	0.16	49	0.3	34
Superfund Proximity (site count/km distance)	0.17	0.15	82	0.13	82
RMP Facility Proximity (facility count/km distance)	0.089	0.47	25	0.43	25
Hazardous Waste Proximity (facility count/km distance)	0.077	0.76	9	1.9	15
Underground Storage Tanks (count/km ²)	0.22	1.7	60	3.9	32
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.046	2.3	68	22	78
SOCIOECONOMIC INDICATORS					
Demographic Index	95%	83%	85	35%	99
Supplemental Demographic Index	51%	43%	71	14%	99
People of Color	100%	96%	31	39%	98
Low Income	91%	70%	84	31%	99
Unemployment Rate	9%	15%	39	6%	76
Limited English Speaking Households	85%	67%	85	5%	99
Less Than High School Education	20%	21%	49	12%	81
Under Age 5	4%	4%	61	6%	39
Over Age 64	13%	22%	16	17%	38
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>.



Technical Memorandum

February 22, 2024

For: Puerto Rico Department of Housing
CDBG-DR & CDBG-MIT Program
ReGrow Environmental Assessment

From: Behar Ybarra & Associates

RE: Threatened and Endangered Species Review for Case PR-RGRW-02128 located at Carr. 809 Km. 5.7 Bo. Cedro Arriba, Naranjito, PR 00719.

This Threatened and Endangered Species Review evaluates a greenhouse installation at the coordinates: latitude 18.248605, longitude -66.267405 and the purchase of a Land in the coordinates: latitude 18.248121, longitude -66.267037 on Carr. 809 Km. 5.7 Bo. Cedro Arriba, Naranjito, PR 00719. The project is part of the Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) that aims to increase agricultural capacity while promoting and increasing food security inland wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities.

The proposed activities for PR-RGRW-02128 consist of the purchase and installation of an 18' x 400' greenhouse and the purchase of land. The installation of a greenhouse in parcel 195-098-070-22-000 requires ground disturbance. The greenhouse will be anchored to 10' spaced supports buried 2 feet deep on a ground that is covered with a plastic tarp. The water needed for the greenhouse will be provided by an existing water well on the property and new pipes will be installed above the ground. The existing water well is approximately 400 feet from the greenhouse proposed location. The power needed to operate the water well will be provided by an existing PREPA/LUMA connection on the property. It will not be necessary to install new power lines. The scope of work also includes the purchase of the land next to the greenhouse (parcel: 195-098-070-21-000) with the idea of expanding production of microgreens. Based on a review of historical aerial imagery, the general area of the greenhouse location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area). It remains predominantly agricultural through to the present day, although residential development is evident along roadways.

Existing Conditions and Trends:

For the proposed project parcel 195-098-070-22-000 and 195-098-070-21-000 is designated as Not Prime Farmland. The project area is located in the rural area of Naranjito. The area where the greenhouse will be placed has a flat topography. Photos of the proposed project area are included in the Site Inspection Report, See Appendix 3. The land has been used for agricultural uses for over 30 years and

the proposed project will not change the land use associated with these placements. The closer Final Critical Habitat is located at 67,116 feet from the project location and there are no wetlands located on or near the project activity area, See Figures 7 and 12.

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

Name of species	Threatened/Endangered/Candidate
Reptiles	
Puerto Rican boa (<i>Chilabothrus inornatus</i>)	Endangered
Critical Habitat	
There are no critical habitats within the project area.	

The nature of the project, scope of work, information available, a careful analysis of the IpaC, the Puerto Rico Boa conservation measures, the Caribbean Dkey dated February 8, 2024, in the US Fish and Wildlife Service’s online IPaC application, and the observations during the field visit, were used to evaluate the potential impacts to federally listed species from this project. Based on that information and the answer inputted into the Dkey, it was determined that the proposed action will have “No Effect” determination on the Puerto Rican Boa, See Exhibit A.

Name of the species	Effect Determination	Conservation Measures that will be implemented
Puerto Rican boa (<i>Chilabothrus inornatus</i>)	No Effect (NE)	No Conservation Measures
Critical Habitats		
There are no critical habitats within the project area.		

If a Puerto Rican Boa is found in the project activity site, work shall cease until it 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.

For any questions or concerns, we can be reached by phone 787-783-0290 or email (patricia.carmenatty@byaea.com).

Patricia Carmenatty Santiago



B.S. Biologist, Behar Ybarra & Associates

EXHIBIT A



United States Department of the Interior



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

In Reply Refer To:
Project Code: 2024-0047049
Project Name: PR-RGRW-02128

February 08, 2024

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

To Whom It May Concern:

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

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

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

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

to caribbean_es@fws.gov. To obtain guidance for completing this process and the minimum requirements for project packages, please visit:

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

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

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

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

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

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

This species list is provided by:

Caribbean Ecological Services Field Office

caribbean_es@fws.gov

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

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

OFFICIAL SPECIES LIST

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

This species list is provided by:

Caribbean Ecological Services Field Office

Post Office Box 491

Boqueron, PR 00622-0491

(787) 834-1600

PROJECT SUMMARY

Project Code: 2024-0047049

Project Name: PR-RGRW-02128

Project Type: New Constr - Above Ground

Project Description: The proposed activities for PR-RGRW-02128 consist of the purchase and installation of an 18' x 400' greenhouse and the purchase of land. The installation of a greenhouse in parcel 195-098-070-22-000 requires ground disturbance. The greenhouse will be anchored to 10' spaced supports buried 2 feet deep on a ground that is covered with a plastic tarp. The water needed for the greenhouse will be provided by an existing water well on the property and new pipes will be installed above the ground. The existing water well is approximately 400 feet from the greenhouse proposed location. The power needed to operate the water well will be provided by an existing PREPA/LUMA connection on the property. It will not be necessary to install new power lines. The scope of work also includes the purchase of the land next to the greenhouse (parcel: 195-098-070-21-000) with the idea of expanding production of microgreens. The project area where the greenhouse will be installed is located at Carr. 809 Km. 5.7 Bo. Cedro Arriba, Naranjito, PR 00719 . Based on a review of historical aerial imagery, the general area of the greenhouse location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area). It remains predominantly agricultural through to the present day, although residential development is evident along roadways.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.248742550000003,-66.2669936009654,14z>



Counties: Naranjito County, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

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

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

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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

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

REPTILES

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6628 General project design guidelines: https://ipac.ecosphere.fws.gov/project/IMP5NOM6PRACNC2KHDI2H5DKKQ/documents/generated/7159.pdf	Endangered

CRITICAL HABITATS

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

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

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

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

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

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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

WETLANDS

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

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

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

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.



United States Department of the Interior



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

In Reply Refer To:
Project code: 2024-0047049
Project Name: PR-RGRW-02128

February 08, 2024

Subject: Consistency letter for the project named 'PR-RGRW-02128' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On February 08, 2024, Patricia Carmenatty used the Caribbean DKey; dated January 19, 2024, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-RGRW-02128'. The project is located in Naranjito County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.248742550000003,-66.2669936009654,14z>



The following description was provided for the project 'PR-RGRW-02128':

The proposed activities for PR-RGRW-02128 consist of the purchase and installation of an 18' x 400' greenhouse and the purchase of land. The installation of a greenhouse in parcel 195-098-070-22-000 requires ground disturbance. The greenhouse will be anchored to 10' spaced supports buried 2 feet deep on a ground that is covered with a plastic tarp. The water needed for the greenhouse will be provided by an existing water well on the property and new pipes will be installed above the ground. The existing water well is approximately 400 feet from the greenhouse proposed location. The power needed to operate the water well will be provided by an existing PREPA/LUMA connection on the property. It will not be necessary to install new power lines. The scope of work also includes the purchase of the land next to the greenhouse (parcel: 195-098-070-21-000) with the idea of expanding production of microgreens. The project area where the greenhouse will be installed is located at Carr. 809 Km. 5.7 Bo. Cedro Arriba, Naranjito, PR 00719 . Based on a review of historical aerial imagery, the general area of the greenhouse location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area). It remains predominantly agricultural through to the present day, although residential development is evident along roadways.

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

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

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

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

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

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

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

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

Action Description

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

1. Name

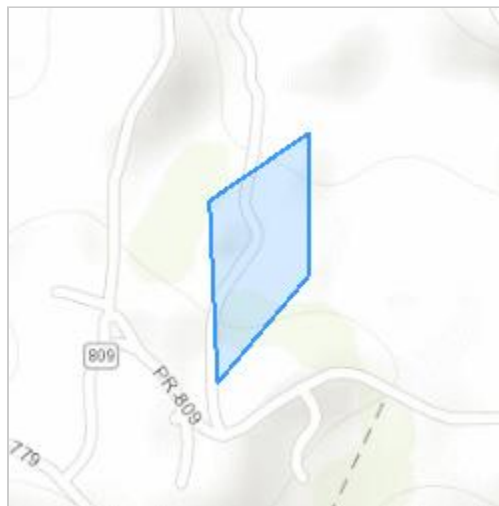
PR-RGRW-02128

2. Description

The following description was provided for the project 'PR-RGRW-02128':

The proposed activities for PR-RGRW-02128 consist of the purchase and installation of an 18' x 400' greenhouse and the purchase of land. The installation of a greenhouse in parcel 195-098-070-22-000 requires ground disturbance. The greenhouse will be anchored to 10' spaced supports buried 2 feet deep on a ground that is covered with a plastic tarp. The water needed for the greenhouse will be provided by an existing water well on the property and new pipes will be installed above the ground. The existing water well is approximately 400 feet from the greenhouse proposed location. The power needed to operate the water well will be provided by an existing PREPA/LUMA connection on the property. It will not be necessary to install new power lines. The scope of work also includes the purchase of the land next to the greenhouse (parcel: 195-098-070-21-000) with the idea of expanding production of microgreens. The project area where the greenhouse will be installed is located at Bo. Cedro Arriba, Solar 2 within the Municipality of Naranjito. Based on a review of historical aerial imagery, the general area of the greenhouse location was characterized as an agrarian setting in 1967 (the earliest imagery available for the area). It remains predominantly agricultural through to the present day, although residential development is evident along roadways.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.248742550000003,-66.2669936009654,14z>



QUALIFICATION INTERVIEW

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

No

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

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

No

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

No

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

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

No

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

No

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

No

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

No

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

No

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

Yes

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

Automatically answered

Yes