

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-01427

Project Name: Marcos A. Arce Ruiz

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico / Utuado, 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 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 140 Km. 38.9 Bo. Tetuán, Parc 4 Utuado, Puerto Rico 00641

Greenhouse location: latitude 18.259976 longitude -66.624072

Coffee pulper location: latitude 18.259939 longitude -66.624055

Parcel cadastral #: 190-000-006-09-001

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

The proposed activities for PR-RGRW-01427 consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper. Also includes the purchase of a Pickup 250 and a UTV. The installation of a greenhouse and the coffee pulper will require ground disturbance. The greenhouse will be anchored to 10 feet spaced supports buried 2 feet deep on bare soil. Some minor leveling of the ground will be necessary to achieve uniformity. No water or power connection is needed for the greenhouse. The purpose of the greenhouse is to dry the coffee beans in a natural way. The coffee pulper will be

anchored on a cement slab that will be provided by the applicant. The cement slab will have a dimension of 20' x 20' and a depth of 2 feet. The applicant will build a structure of the same dimensions as the cement slab with a roof made of H-beams and galvanized zinc panels to protect the coffee pulper from the elements. This structure will be at the applicant expense. The power needed to operate the coffee pulper will be provided by a diesel generator that will be provided by the applicant. The generator will not be affixed to the cement slab and transfer switch will not be necessary. Based on a review of historical aerial imagery, the location for the proposed activities has been used for agricultural purposes for the past 30 years.

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 and coffee pulper. 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 and coffee pulper 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 and coffee pulper 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 a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV are in keeping with the overall objectives of the Economic Development Program.

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

The greenhouse and the coffee pulper will be placed in a flat area covered with grass, shrubs and vines. Currently, coffee and other fruit plants are grown on the farm. 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 B-17-DP-72-0001 B-19-DP-78-0002 B-18-DE-72-0001	Community Planning and Development (CPD) / Community Development Block Grant - Disaster Recovery (CDBG-DR)	\$11,938,162,230.00

Estimated Total HUD Funded Amount: \$100,000.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$100,000.00.

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 a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV will have no impact on any Airports. The site is located 91,551 feet from the nearest major civil airport (Mercedita International Airport in Ponce) and 220,618 feet from the nearest military airport (Luis Muñoz Marín International Airport in San Juan). The project 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 Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not located in a CBRS Unit. The project is located 90,458 feet southwest of the nearest Coastal Barrier Resource System, PR-83. 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.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is located in Zone X, Panel 72000C0640H, 4/19/2005 on the FEMA FIRM. The project does not require flood insurance or is excepted from flood insurance. The project is in compliance with the Flood Insurance without further evaluation. See attached Flood Map, Figure 4.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV 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 country by year for all criteria pollutants in Appendix 2.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is located 73,182 feet from the nearest Coastal Zone Management Area and does not affect a Coastal Zone as defined in the state Coastal anagement Plan. The project is in compliance with the Coastal Zone Management Act. See the attached CZMA map, Figure 5.
Contamination and Toxic Substances 24 CFR Part 58.5(i)(2)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV for an agricultural project. On-site or nearby toxic, hazardous, or radioactive substances

		<p>that could affect the health and safety of project occupants or conflict with the intended use of the property were not found. There are no sites of environmental concern identified within 3,000 feet near the greenhouse and coffee pulper location.</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</p> <p><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>), Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>), Puerto Rican Parrot (<i>Amazona vittata</i>) and Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</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 and coffee pulper will be installed, and it has been maintained that way for agricultural purposes. According to the scope work, what will entail the most ground disturbance is the construction of the concrete slab, but the use of heavy machinery will not be necessary, and most of the vegetation to be removed is grass.</p> <p>Based on the nature of the project, scope of work, information available, and analysis of the IPaC lists together with field direct observations of the area where the project will be developed is currently used for agricultural purposes, the proponent has determined that the</p>

		<p>proposed project actions will have “No Effect” (NE) on the Puerto Rican boa, Puerto Rican Broad-winged Hawk and Puerto Rican Sharp-shinned Hawk. As for the Puerto Rican plain pigeon, the PRDOH and USFWS concurred with a NE determination due to the lack of suitable habitat for this species within the project area.</p> <p>The PRDOH together with USFWS has determined that the proposed project may affect but is not likely to adversely affect (NLAA) Puerto Rican harlequin butterfly since its critical habitat is 23,433 feet from the project location and the land has been used for agricultural purposes for more than 30 years. Amended measures for the Puerto Rican harlequin butterfly are in the USFWS Concurrence Letter in Appendix 4.</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 USWFS Concurrence letter and supporting documents in Appendix 4. See attached Endangered Species map, Figure 7.</p>
<p>Explosive and Flammable Hazards</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a</p>

24 CFR Part 51 Subpart C		Pickup 250 and a UTV 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 and directly adjacent to Farmland of Statewide importance. The scope of work includes the installation and construction of a greenhouse and coffee pulper, 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 72000C0640H, 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 Utuado; therefore, PFIRM information was not available for the area and therefore was 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 September 10, 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

		<p>installation of the greenhouse and coffee pulper. Documentation with photographs and maps was subsequently submitted to SHPO (attached Appendix 1). In a response from PR SHPO dated February 13, 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, the project is in compliance with National Historic Preservation Act.</p>
<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 <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV 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. The project 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 <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 <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 290,977 feet from the nearest Wild and Scenic River. The project is in compliance with the Wild and Scenic Rivers Act. See Map, Figure 13.</p>
<p>ENVIRONMENTAL JUSTICE</p>		
<p>Environmental Justice</p> <p>Executive Order 12898</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>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 project complies with this section.</p>

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

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
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LAND DEVELOPMENT

<p>Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design</p>	<p>2</p>	<p>The proposed action consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV and is continued agricultural use of property which is compatible with a zoning code of A-P (Productive Agriculture) and existing land use of SREP-A (Specially Protected Rustic Land-Agricultural). There is no urban design associated with this rural, agricultural site.</p>
<p>Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff</p>	<p>2</p>	<p>The proposed project consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV. 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. There are several types of soils on the project site. The predominant soil where the greenhouse and coffee pulper will be placed is classified as Humatas clay, 40 to 60 percent slope (HmF). This soil is deep, very steep, and well drained.</p> <p>The landslide data indicates low to moderate landslide susceptibility; therefore, 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.</p>
<p>Hazards and Nuisances including Site Safety and Noise</p>	<p>2</p>	<p>The proposed project consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV. There are no specific environmental hazards that have been identified for this site. The site is not in a high Noise Level area, nor will the project generate any additional noise. Additionally, the project does not include housing or such to where inhabitants would be affected.</p>
<p>Energy Consumption</p>	<p>2</p>	<p>The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV on an existing agricultural farm. The power needed to operate the coffee pulper will be provided by a diesel generator that will be provided by the applicant. Therefore, there</p>

		will be no change in current energy supply on the property.
Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV. The project will result in short-term benefit to employment when contractors are hired for the construction of the greenhouse and coffee pulper. 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	The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV and will not alter the demographic characteristics of Utuado, 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	In the project area within a one-mile radius: <ul style="list-style-type: none"> • The people of color are 99% compared to PR average of 96% • 93 % of the people are low income compared to PR average of 70% • 18% of the people are unemployed compared to PR average of 15% <p>The proposed activities of the installation of the greenhouse and coffee pulper will have a positive impact on creating jobs for local people. Therefore, the</p>

		proposed activity complies with this section. See EJSscreen Report in Appendix 3.
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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 a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV for an agricultural site and will have no impact on educational and cultural facilities.
Commercial Facilities	2	The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV 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 a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV for an agricultural site and will have no impact on Health Care and Social Services.
Solid Waste Disposal / Recycling	2	The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV 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 coffee pulper 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 project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV. No water connection is needed for the greenhouse or for the coffee pulper. 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 a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV for an agricultural site and will have no impact on Public Safety.
Parks, Open Space and Recreation	2	The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV 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 a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV 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	The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV and will be situated on previous agriculture property and will have no impact on unique natural features or water resources.
Vegetation, Wildlife	2	The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV and will occur on land previously used for agricultural purposes and will continue in that capacity. There may be wildlife

		attracted to the greenhouse and coffee pulper but no negative impact on wildlife.
Climate Change	2	<p>The project consists of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV. 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/npas/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf

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

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

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.org/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-RRF 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 a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV 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 and coffee pulper. However, other locations may result in tree clearing prior to construction and/or need to fill in some steep area, in addition it would be costly to the applicant. 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 a 20' x 80' greenhouse and a coffee pulper and the purchase of a Pickup 250 and a UTV 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 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.
<p>Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</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.</p> <p>Amended measures for the Puerto Rican harlequin butterfly are in the USFWS Concurrence Letter in Appendix 4.</p>

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: 4/10/2024

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

Certifying Officer Signature:  Date: May 30, 2024

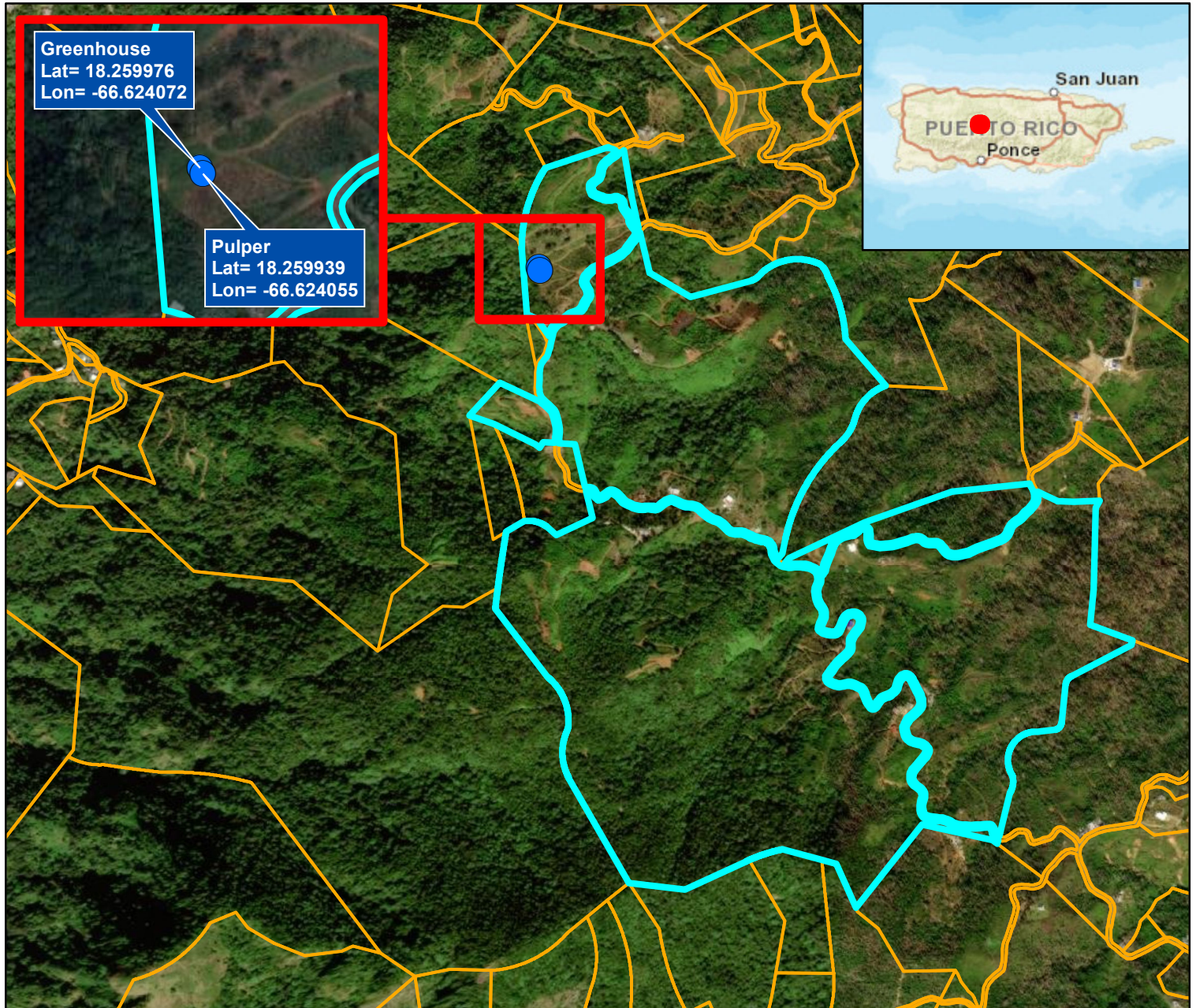
Name/Title: Santa D. Ramirez Lebron / Permits and Environmental Compliance Specialist

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

Figures

Figure 1: Location Aerial Map

Puerto Rico Department of Housing ReGrow

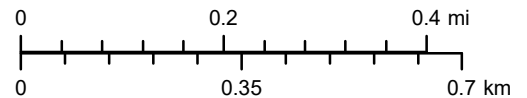


Greenhouse
 Lat= 18.259976
 Lon= -66.624072

Pulper
 Lat= 18.259939
 Lon= -66.624055

Legend

- PR-RGRW-01427
- PR-RGRW-01427 Parcel
- CRIM Parcels



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
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google Earth



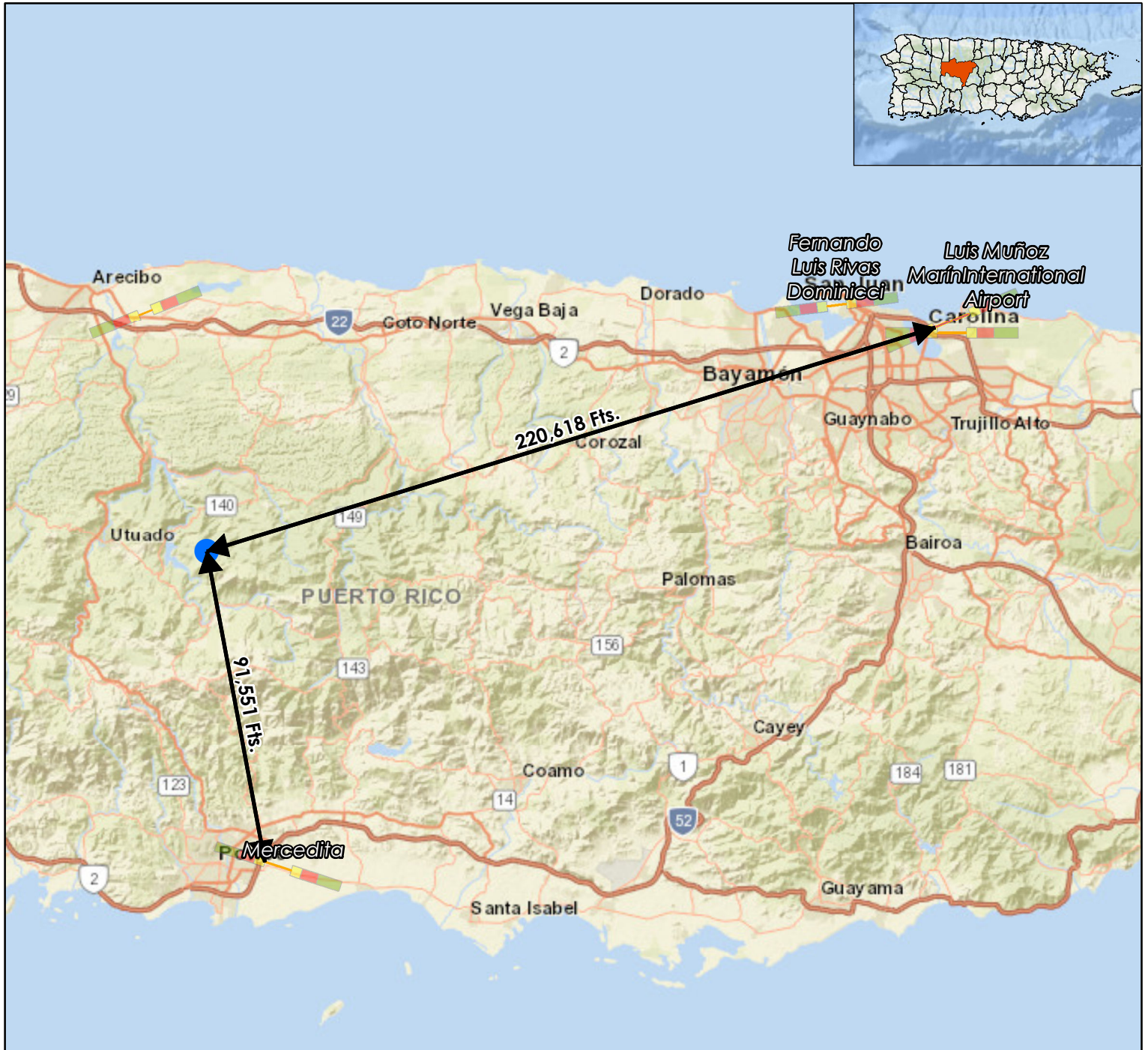
Source

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

Marcos A. Arce Ruiz
 Carr. 140 Km. 38.9
 Bo. Tetuan Parc. 4
 Utuado, PR 00641
 Catastro: 190-000-006-09-001
 Lat: 18.259976, Lon: -66.624072

Figure 2: Airports Map

Puerto Rico Department of Housing ReGrow

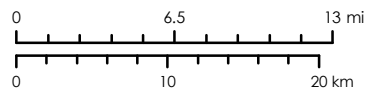


Legend:

- PR-PGRW-01427
- SJU Military Runaway
- Civil Runaway

Accident Potential Zone

- APZ 1
- APZ 2
- Clear Zone



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

Source

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

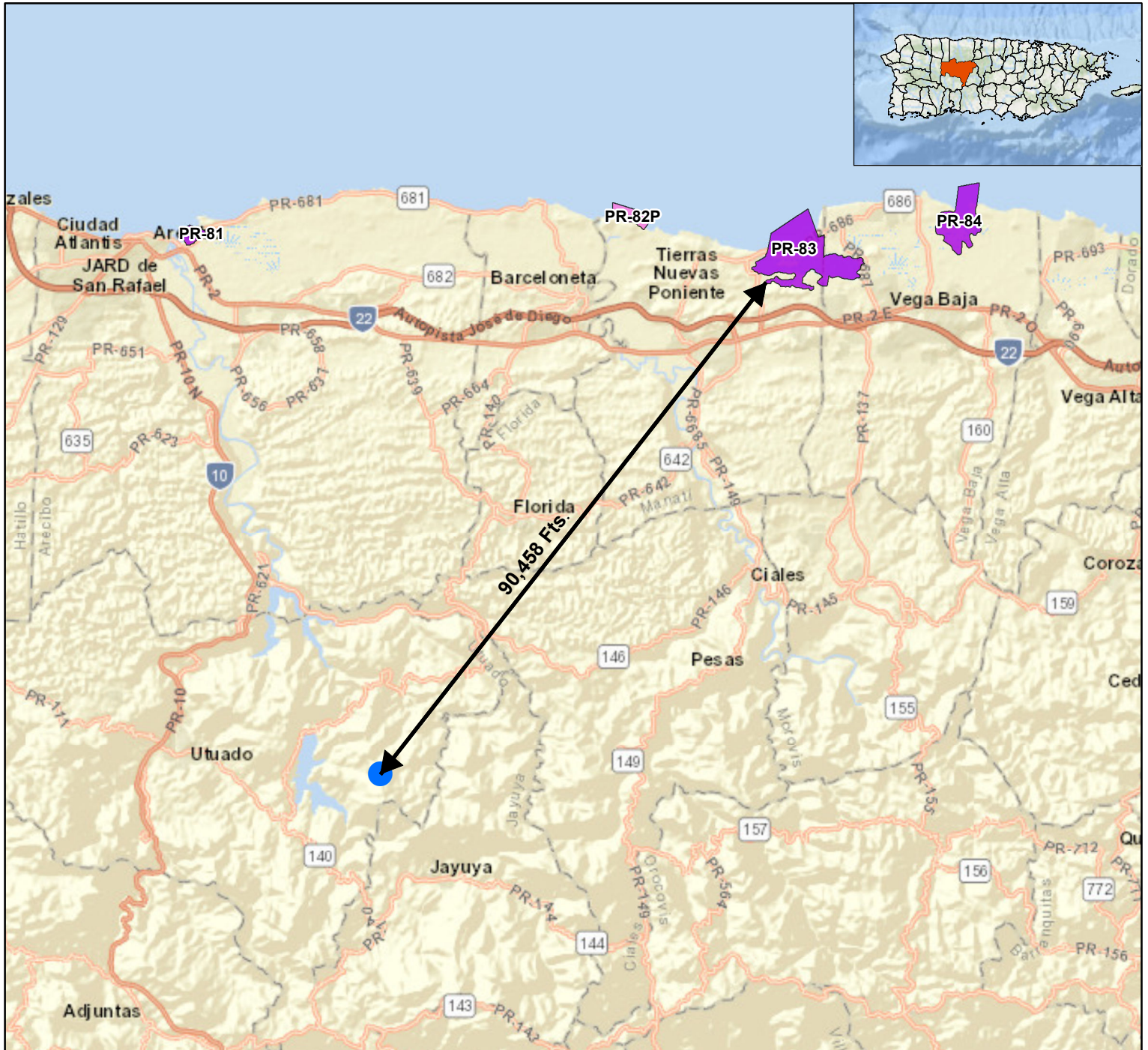


1:500,000

Marcos A. Arce Ruiz
Carr. 140 Km. 38.9
Bo. Tetuan Parc. 4
Utuaado, PR 00641
Catastro: 190-000-006-09
Lat: 18.259976, Lon: -66.624072

Figure 3: Coastal Barrier Resources System

Puerto Rico Department of Housing ReGrow



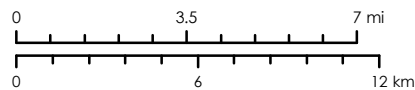
Legend:

● PR-PGRW-01427

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

Source

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

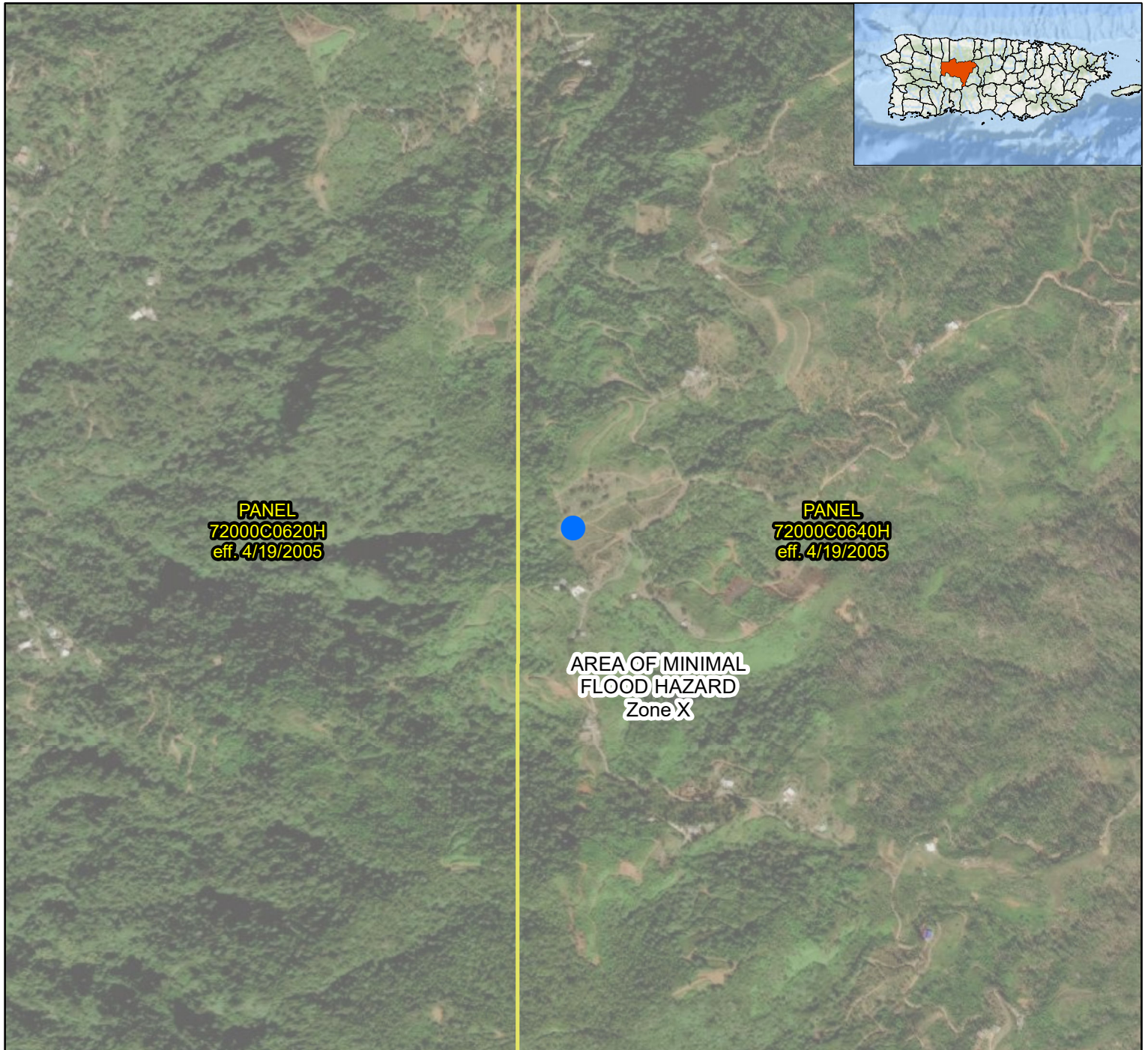


1:250,000

Marcos A. Arce Ruiz
 Carr. 140 Km. 38.9
 Bo. Tetuan Parc. 4
 Utuado, PR 00641
 Catastro: 190-000-006-09-001
 Lat: 18.259976, Lon: -66.624072

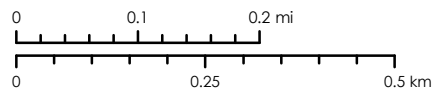
Figure 4: Flood Insurance Rate Map

Puerto Rico Department of Housing ReGrow



Legend:

- PR-PGRW-01427
- Area of Minimal Flood Hazard *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



Source

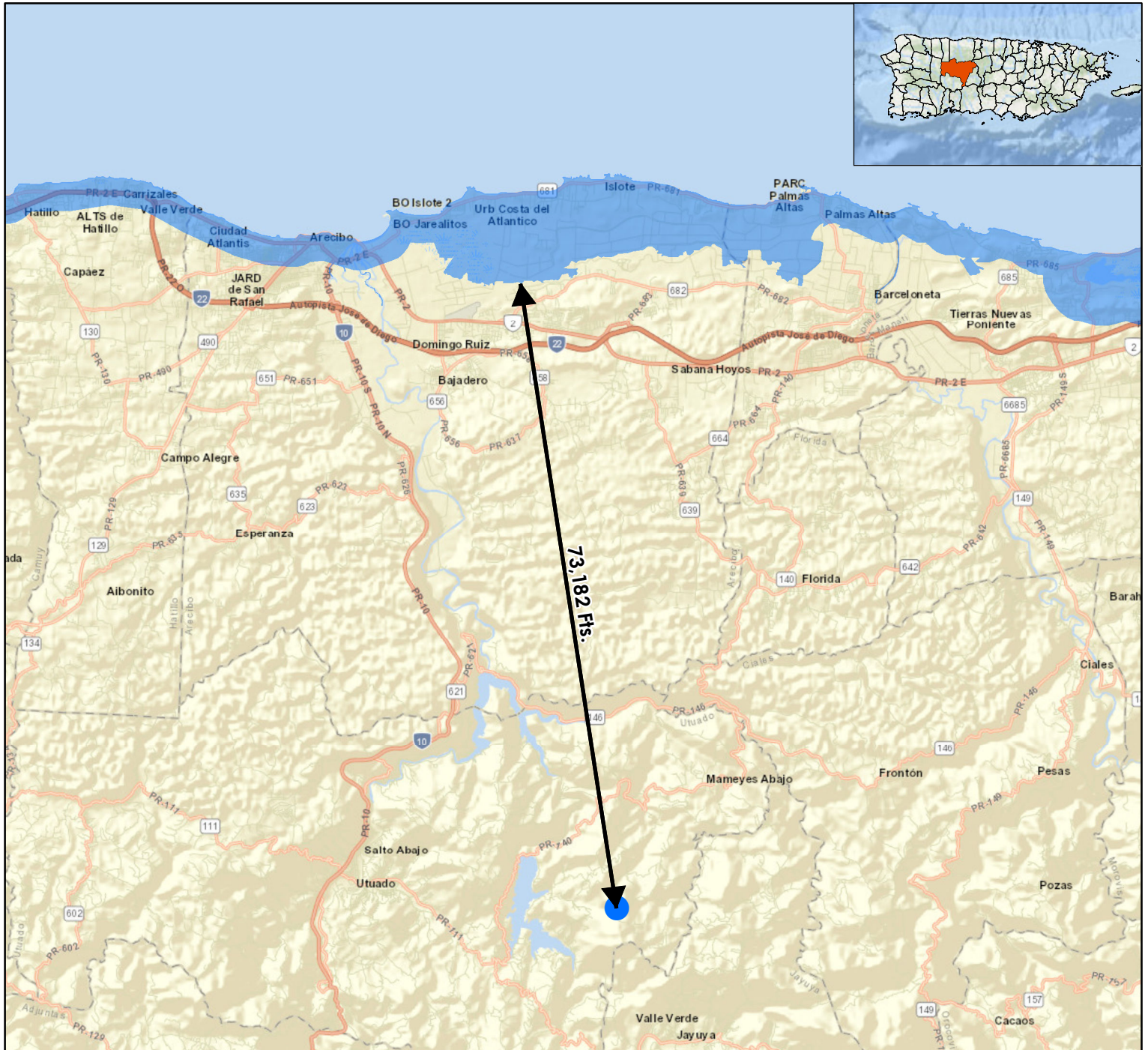
Federal Emergency Management Agency (FEMA)
<https://msc.fema.gov/portal/home>

1:10,000

Marcos A. Arce Ruiz
Carr. 140 Km. 38.9
Bo. Tetuan Parc. 4
Utuaado, PR 00641
Catastro: 190-000-006-09-001
Lat: 18.259976, Lon: -66.624072

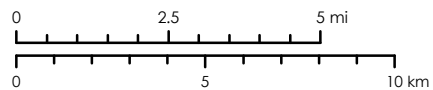
Figure 5: Coastal Zone Management

Puerto Rico Department of Housing ReGrow



Legend:

- PR-PGRW-01427
- Coastal Zone Management Act Boundary



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

Source

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

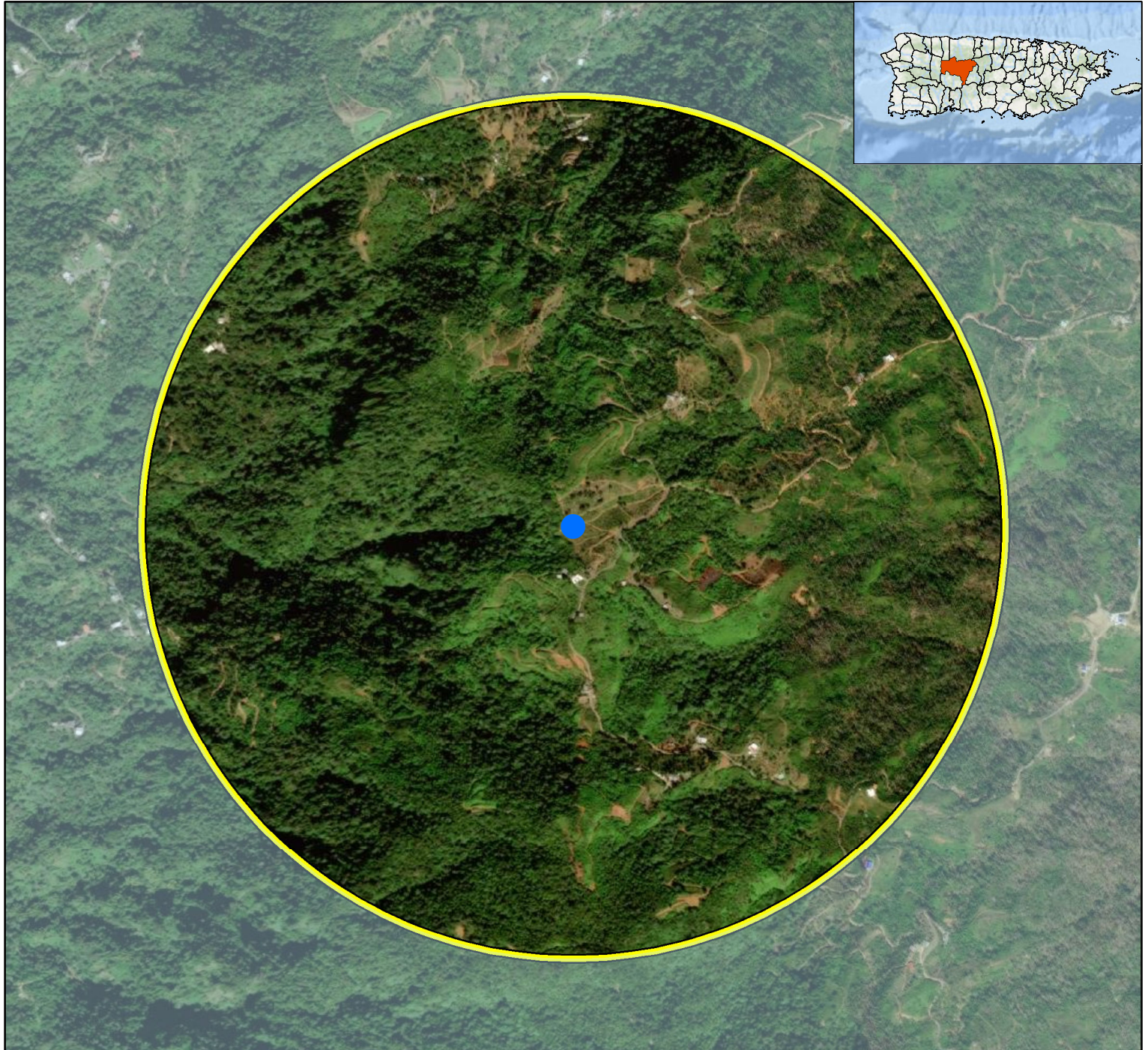


1:200,000

Marcos A. Arce Ruiz
 Carr. 140 Km. 38.9
 Bo. Tetuan Parc. 4
 Utuado, PR 00641
 Catastro: 190-000-006-09-001
 Lat: 18.259976, Lon: -66.624072

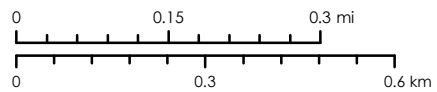
Figure 6: Toxic and Hazardous Facilities

Puerto Rico Department of Housing ReGrow



Legend:

- PR-PGRW-01427
- 3,000 Ft. Buffer
- FACILITY INTERESTS
- ICIS
- NCDB
- NPDES
- ▲ NPDES MAJOR
- ▲ RCRA
- ▲ RCRA ACTIVE
- ▲ RCRA INACTIVE
- ▲ RCRA LQG



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

Source

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

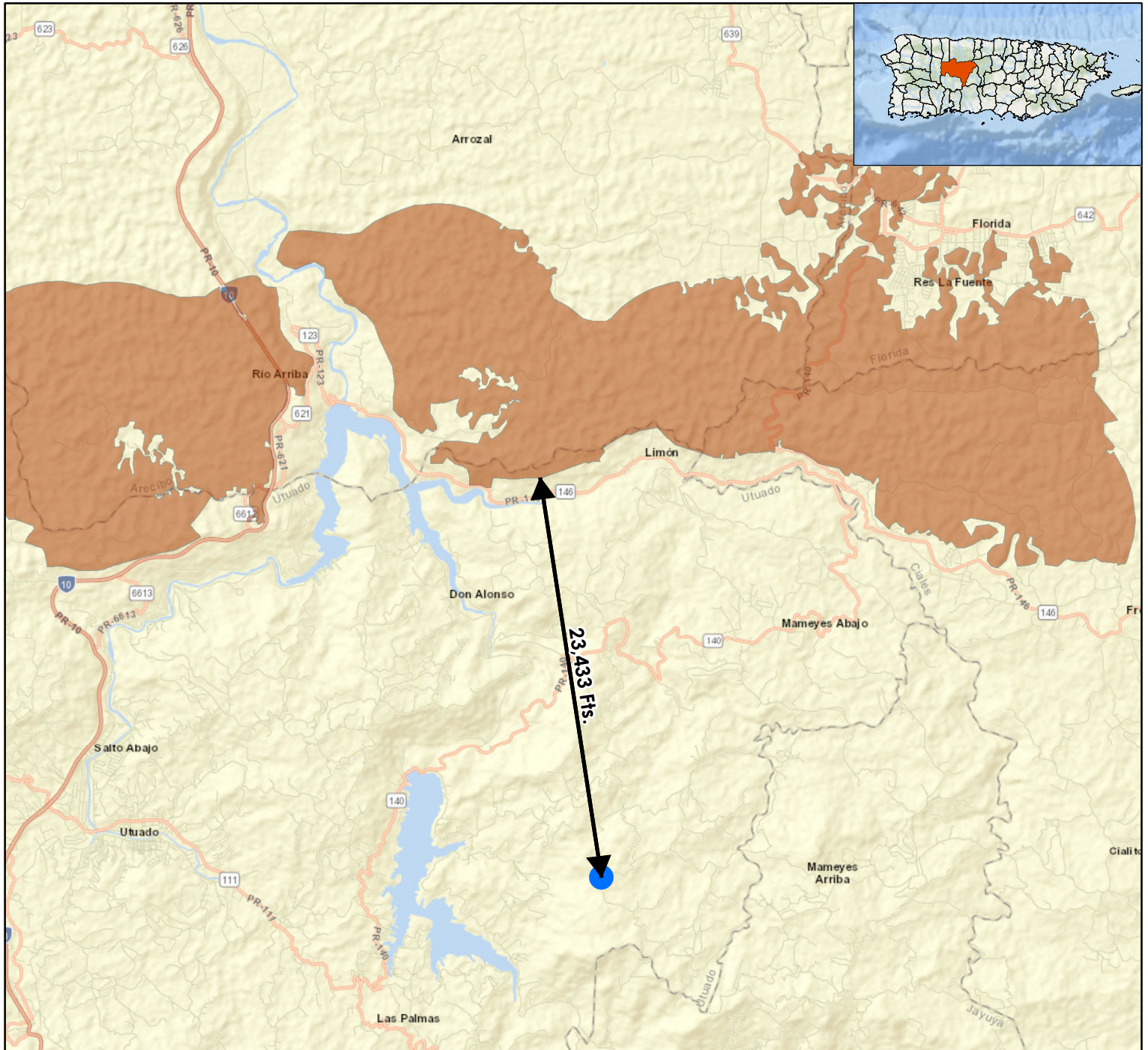


1:12,000

Marcos A. Arce Ruiz
 Carr. 140 Km. 38.9
 Bo. Tetuan Parc. 4
 Utuado, PR 00641
 Catastro: 190-000-006-09
 Lat: 18.259976, Lon: -66.624072

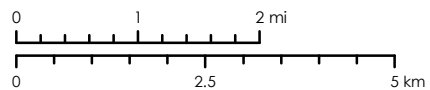
Figure 7: Threatened & Endangered Species

Puerto Rico Department of Housing ReGrow



Legend:

- PR-PGRW-01427
- 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

Source

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



1:100,000

Marcos A. Arce Ruiz
 Carr. 140 Km. 38.9
 Bo. Tetuan Parc. 4
 Utuado, PR 00641
 Catastro: 190-000-006-09-001
 Lat: 18.259976, Lon: -66.624072

Figure 8: Farmland Protection

Puerto Rico Department of Housing ReGrow

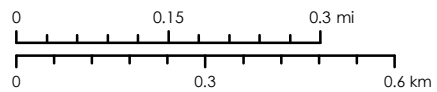


Legend:

● PR-PGRW-01427

Farm Class

- 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



Source

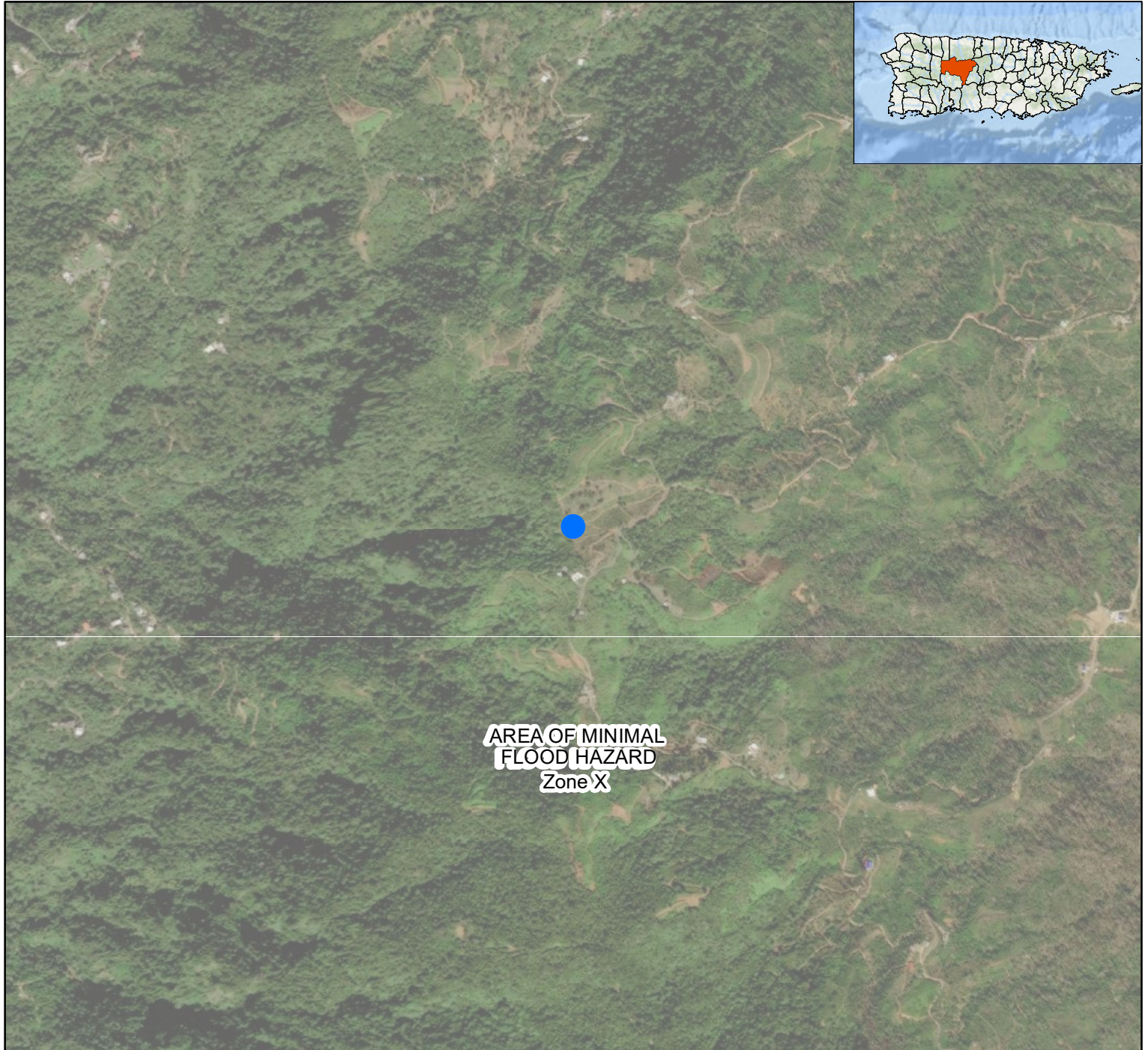
National Resources Conservations Service (NRCS)
 Gridded Soil Survey Geographic Database (gSSURGO)
<https://data.nal.usda.gov/dataset/soil-survey-geographic-database-ssurgo>

1:12,000



Marcos A. Arce Ruiz
Carr. 140 Km. 38.9
Bo. Tetuan Parc. 4
Utua, PR 00641
Catastro: 190-000-006-09-001
Lat: 18.259976, Lon: -66.624072

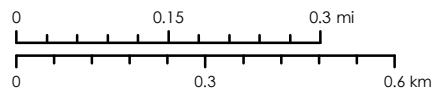
Figure 9: Advisory Base Flood Elevation

Puerto Rico Department of Housing ReGrow



Legend:

-  PR-PGRW-01427
-  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

Source

Federal Emergency Management Agency (FEMA),
Junta de Planificacion de Puerto Rico (JP),
Mapas de Niveles de Inundacion Base Recomendados,
<https://maps.jp.pr.gov/>

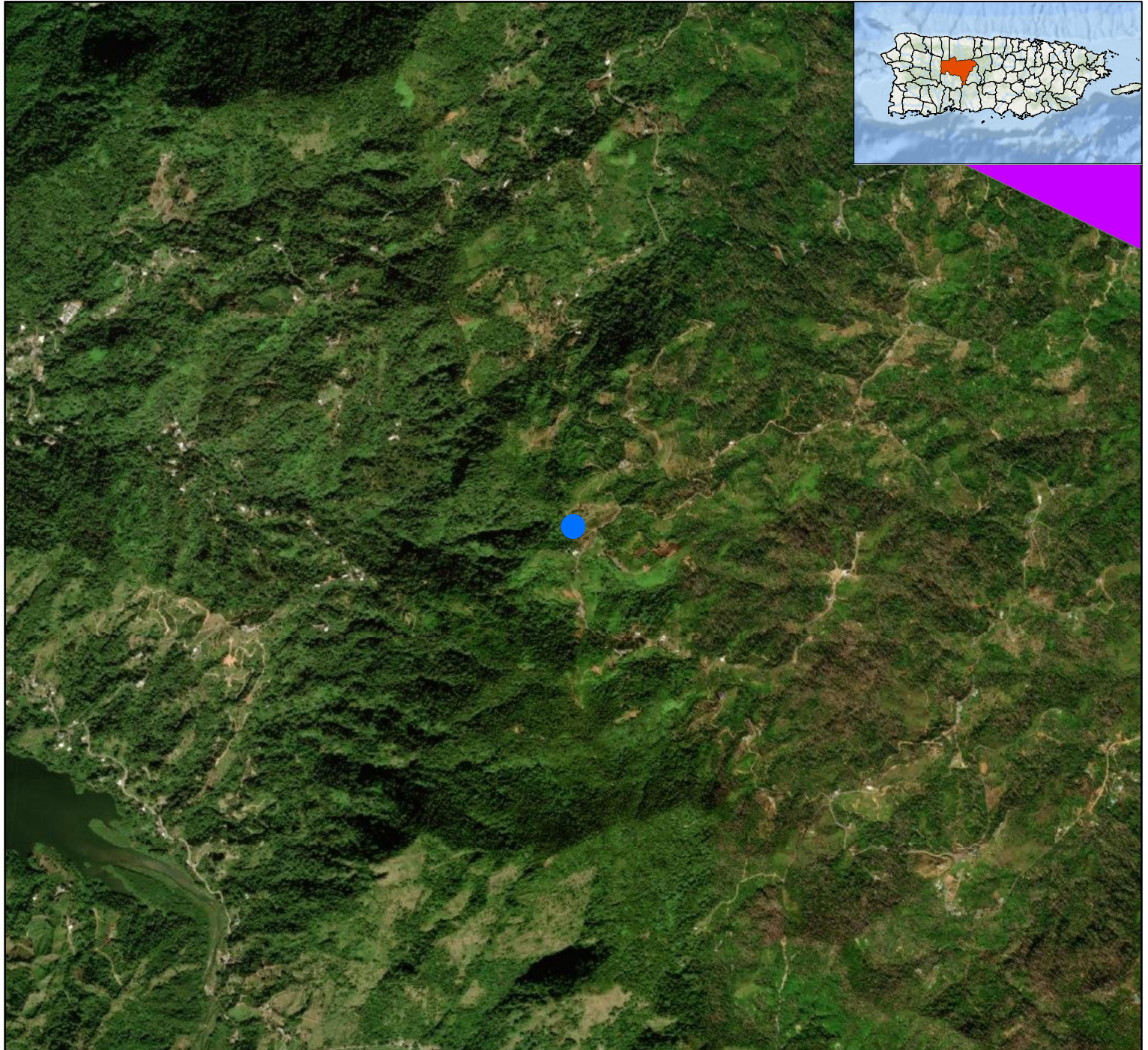


1:12,000

Marcos A. Arce Ruiz
 Carr. 140 Km. 38.9
 Bo. Tetuan Parc. 4
 Utuado, PR 00641
 Catastro: 190-000-006-09-001
 Lat: 18.259976, Lon: -66.624072

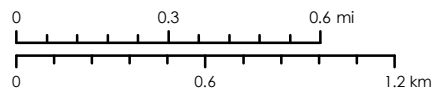
Figure 10: Historic Preservation Map

Puerto Rico Department of Housing ReGrow



Legend:

- PR-PGRW-01427
- Archaeological Resource Zones
- Traditional Urban Center
- Historic Communities
- P Cultural_Resources - Public Plaza
- O Cultural_Resources - Registry ICP
- H Cultural_Resources - Historic Places JP
- ▲ Cultural_Resources - Scenic Places
- Cultural_Resources - Cultural Value Places
- Cultural_Resources - Railway Vestiges



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



Source

1:24,000
 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>



Marcos A. Arce Ruiz
Carr. 140 Km. 38.9
Bo. Tetuan Parc. 4
Utuado, PR 00641
Catastro: 190-000-006-09-001
Lat: 18.259976, Lon: -66.624072

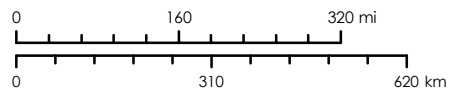
Figure 11: EPA Sole Source Aquifers

Puerto Rico Department of Housing ReGrow



Legend:

-  PR-PGRW-01427
-  EPA Sole Source Aquifers



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



Source

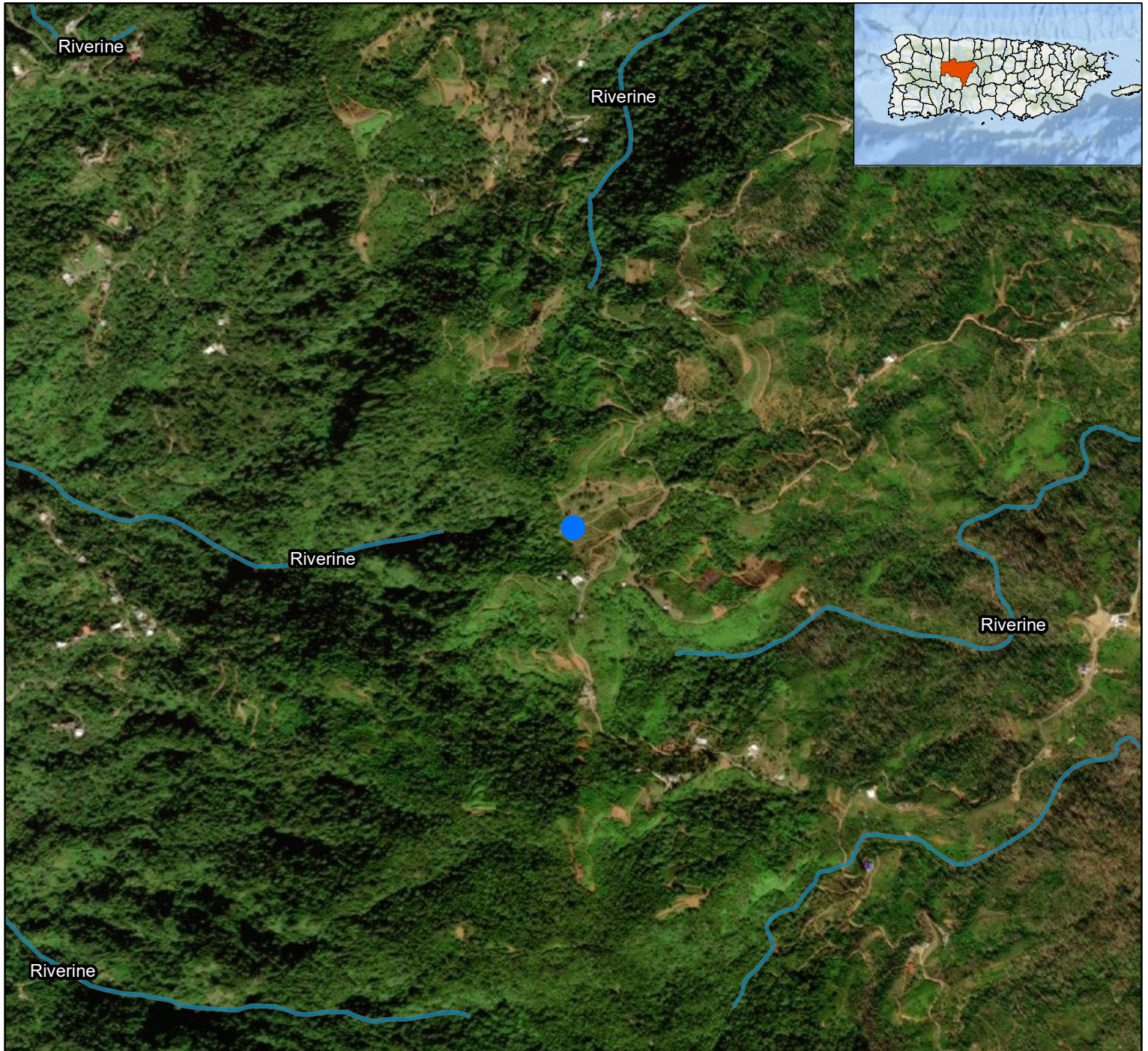
U.S. Environmental Protection Agency
<https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b>

1:12,000,000

Marcos A. Arce Ruiz
Carr. 140 Km. 38.9
Bo. Tetuan Parc. 4
Utuaado, PR 00641
Catastro: 190-000-006-09-001
Lat: 18.259976, Lon: -66.624072

Figure 12: Wetlands Map

Puerto Rico Department of Housing ReGrow

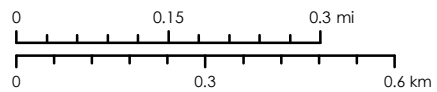


Legend:

 PR-PGRW-01427

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

Source

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

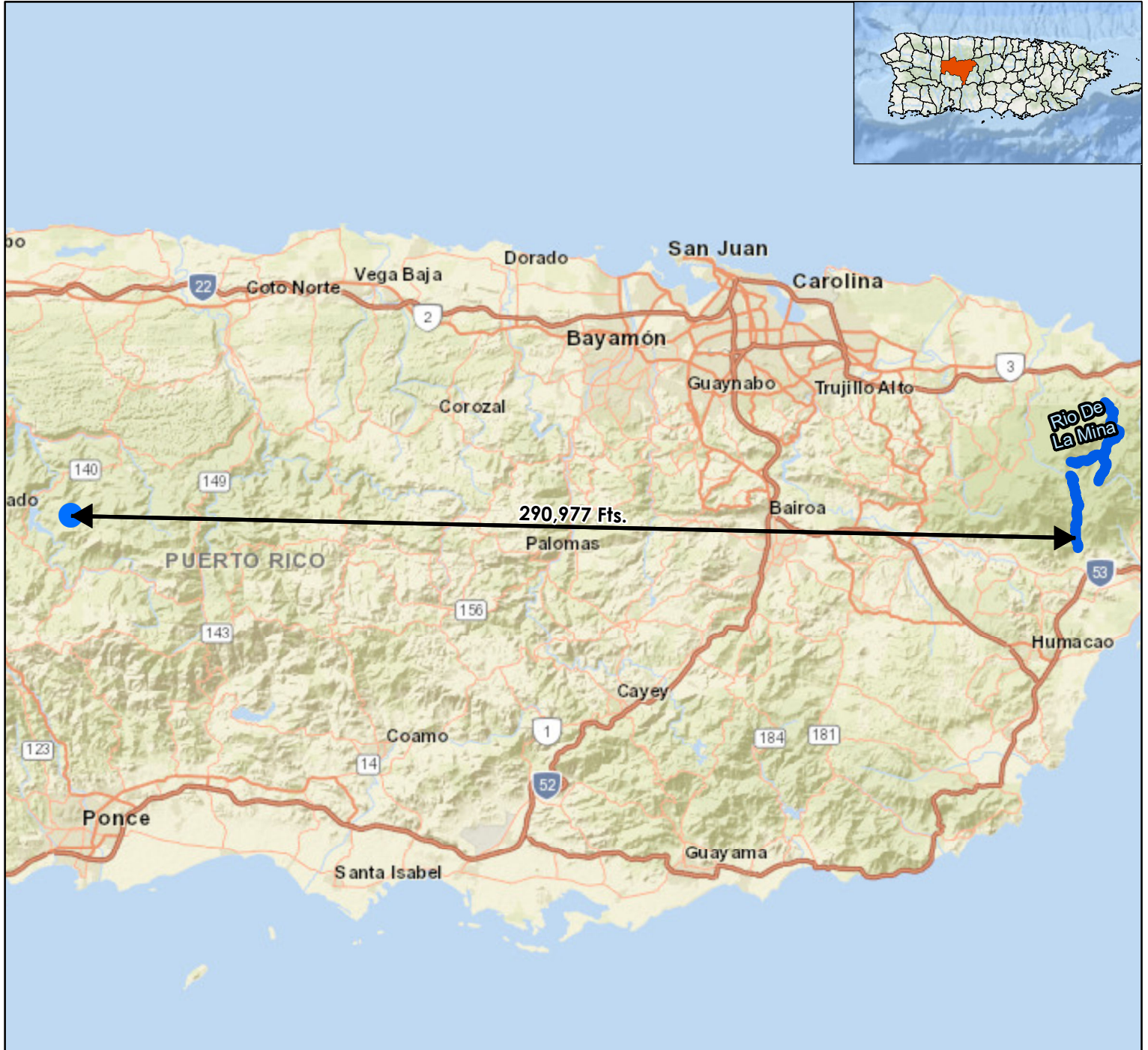


1:12,000

Marcos A. Arce Ruiz
 Carr. 140 Km. 38.9
 Bo. Tetuan Parc. 4
 Utuado, PR 00641
 Catastro: 190-000-006-09-001
 Lat: 18.259976, Lon: -66.624072

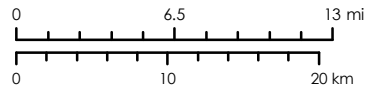
Figure 13: Wild and Scenic Rivers

Puerto Rico Department of Housing ReGrow



Legend:

- PR-PGRW-01427
- 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

Source

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

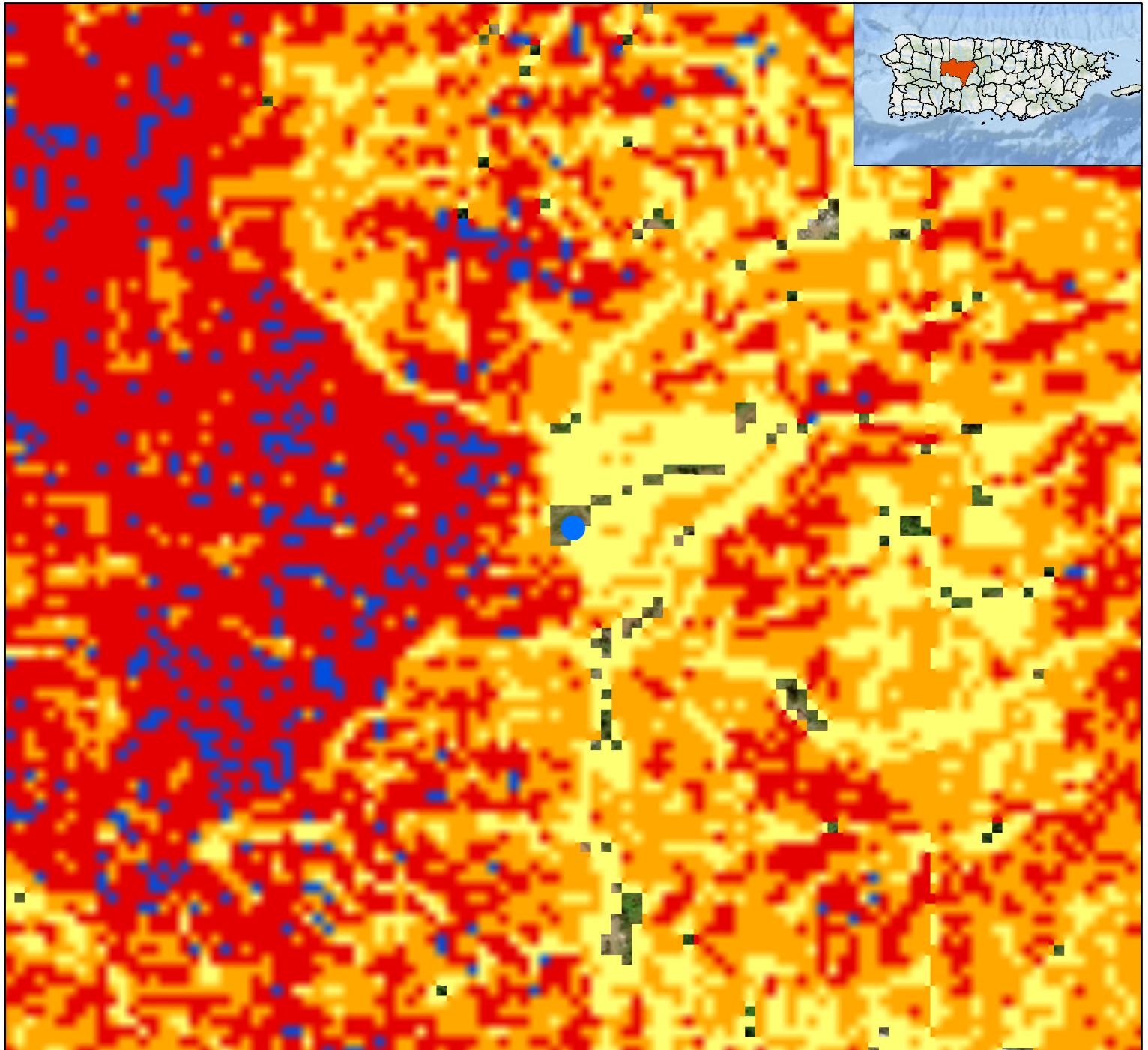


1:500,000

Marcos A. Arce Ruiz
 Carr. 140 Km. 38.9
 Bo. Tetuan Parc. 4
 Utuado, PR 00641
 Catastro: 190-000-006-09
 Lat: 18.259976, Lon: -66.624072

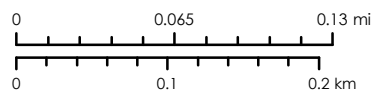
Figure 14: Landslide Susceptibility

Puerto Rico Department of Housing ReGrow



Legend:

- PR-PGRW-01427
- 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

Source

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



1:5,000

Appendix 1



GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE

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

February 13, 2024

Lauren Bair Poche

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

SHPO: CF-02-02-24-09 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW
PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, PR-RGRW-01427,
MARCOS A. ARCE RUIZ, CARR. 140 KM 38.9, BO. TETUÁN, PARC. 4, UTUADO, PUERTO
RICO

Dear Ms. Poche,

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

Our records support your finding of **no historic properties affected** within the project's area of potential effects.

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

Sincerely,

Carlos A. Rubio-Cancela
State Historic Preservation Officer
CARC/GMO/LGC



February 2, 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-01427 – Marcos A. Arce Ruiz – Carr 140 Km. 38.9 Bo. Tetuán, Parc 4, Utuado, 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 Marcos A. Arce Ruiz located at Carr 140 Km. 38.9 Bo. Tetuán, Parc 4, in the municipality of Utuado. The undertaking for this project includes the purchase and installation of a 20' x 80' greenhouse and a coffee pulper. The installation of a greenhouse and the coffee pulper will require ground disturbance. The greenhouse will be anchored to 10 feet spaced supports buried 2 feet deep on bare soil. No water or power connection is needed for the greenhouse. The purpose of the greenhouse is to dry the coffee beans in a natural way. The coffee pulper will be anchored on a cement slab that will be provided by the applicant. The cement slab will have a dimension of 20' x 20' and a depth of 2 feet. The power needed to operate the coffee pulper will be provided by a diesel generator that will be provided by the applicant. The generator will not be affixed to the cement slab.

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,

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

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: Marcos A. Arce Ruiz		
Case ID: PR-RGRW-01427	City: Utuado	

Project Location: Carr 140 Km. 38.9 Bo. Tetuán, Parc 4 Utuado, Puerto Rico 00641	
Project Coordinates: 18.259976 -66.624072, 18.259939 -66.624055	
TPID (Número de Catastro): 190-000-006-09-001	
Type of Undertaking:	
<input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): n/a	Property Size (acres): 258.5

SOI-Qualified Archaeologist: Jaqueline López Meléndez
Date Reviewed: September 10, 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-01427 consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper. Also includes the purchase of a Pickup 250 and a UTV. The installation of a greenhouse and the coffee pulper will require ground disturbance. The greenhouse will be anchored to 10 feet spaced supports buried 2 feet deep on bare soil. No water or power connection is needed for the greenhouse. The purpose of the greenhouse is to dry the coffee beans in a natural way. The coffee pulper will be anchored on a cement slab that will be provided by the applicant. The cement slab will have a dimension of 20' x 20' and a depth of 2 feet. The power needed to operate the coffee pulper will be provided by a diesel generator that will be provided by the applicant. The generator will not be affixed to the cement slab. The project area is located at PR-140 km. 38.9 within the Municipality of Utuado. Based on a review of historical aerial imagery, the location for the proposed activities has been used for agricultural purposes for the past 30 years.

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is the location of the greenhouse and coffee pulper plus a 15-meter buffer and the visual APE is the viewshed of the proposed project.

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: Marcos A. Arce Ruiz	
Case ID: PR-RGRW-01427	City: Utuado

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-01427 project area is Finca Polito-Parcela 14 (SHPO: UA0100089) located 0.76 miles north. The proposed project is located in Utuado, at an elevation of 2,624 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 HmF. The nearest water bodies are Charco del Muerto creek located 0.22 miles southwest and two unnamed streams, one at 0.31 miles north and the other at 0.73 miles northeast. The north coast is approximately 15.98 miles north from the project area.


There is one (1) archaeological study within a 0.50-miles radius of the proposed project area, with positive results. (see table).

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 September 4, 2023, we visually inspected the project area. The property is located in the mountainous area of Utuado. The greenhouse and the coffee pulper will be placed in a flat area covered with grass, shrubs and vines. Surface visibility is zero. No cultural remains can be observed on the surface of the parcel.

There are several types of soils on the project site. The predominant soil where the greenhouse and coffee pulper will be placed is classified as Humatas clay, 40 to 60 percent slope (HmF). This soil is deep, 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.

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 are within or adjacent to the property or the parcel in which the Area of Potential Effect of case PR-RGRW-01427 is located. The impact of the

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: Marcos A. Arce Ruiz		
Case ID: PR-RGRW-01427		City: Utuado

greenhouse and pulper installation is minimal. The construction of public roads and agricultural infrastructure has minimally impacted the surrounding terrain. Therefore, no historic properties will be affected by the proposed project activities.

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

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

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

This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and:	
<input type="checkbox"/> 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: Marcos A. Arce Ruiz		
Case ID: PR-RGRW-01427	City: Utuado	

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
Ethel Schlafer	IA-IB/ Finca Apolinar Montero Saldaña "Polito"	1991	SHPO: 09-10-89-09	Positive. Pre-Columbian site (UA0100089) located more than 0.50 miles away	0.03 mi W

Applicant: Marcos A. Arce Ruiz

Case ID: PR-RGRW-01427

City: Utuado

Project (PR-RGRW-01427) Location – Area of Potential Effect Map (Aerial)

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Correil, Barria, 1 Suite 2-3, Calle Perseus 53-4, Arroyo, San Juan, P.R. 00920 Tel: 775-7193 6292

Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ

Carr 140 KM 38.9

Bo Tetuan Parc 4

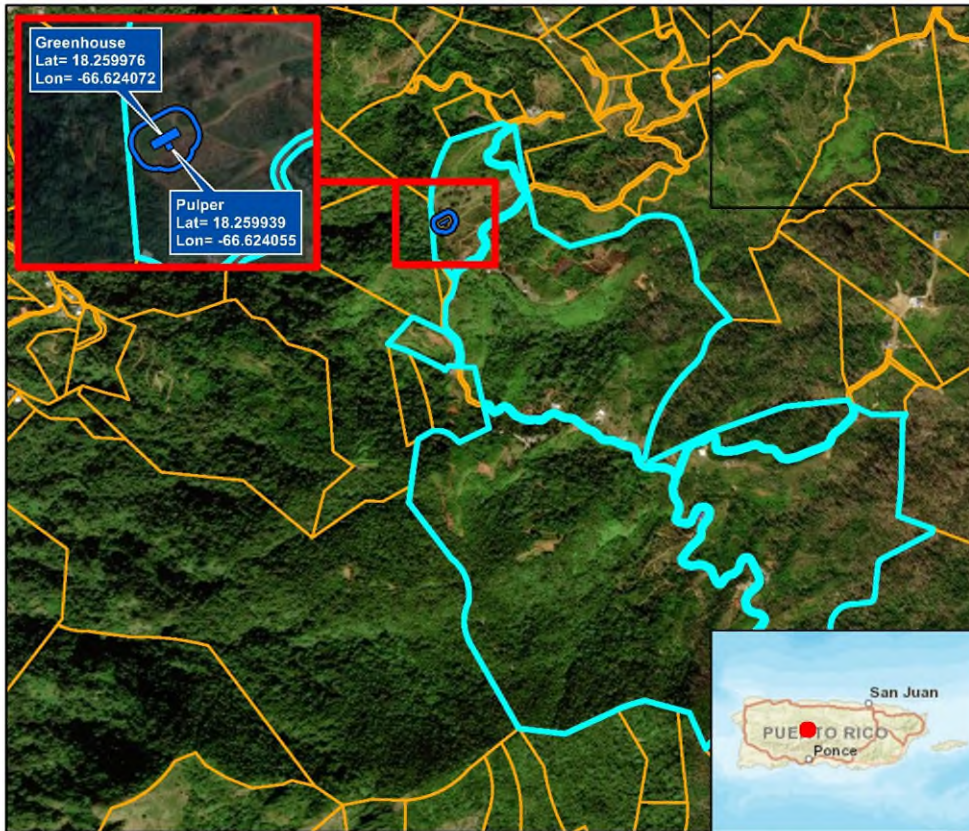
Utuado, PR 00641

Catastro: 190-000-006-09-001

Lat: See List Below, Lon: See List Below

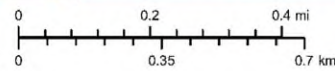
Area of Potential Effect

Puerto Rico Department of Housing ReGrow



Legend

- PR-RGRW-01427 Applicant Structure
- Area of Potential Effect
- PR-RGRW-01427 Parcel
- CRIM Parcels



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
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google Earth



Source

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



Applicant: Marcos A. Arce Ruiz

Case ID: PR-RGRW-01427

City: Utuado

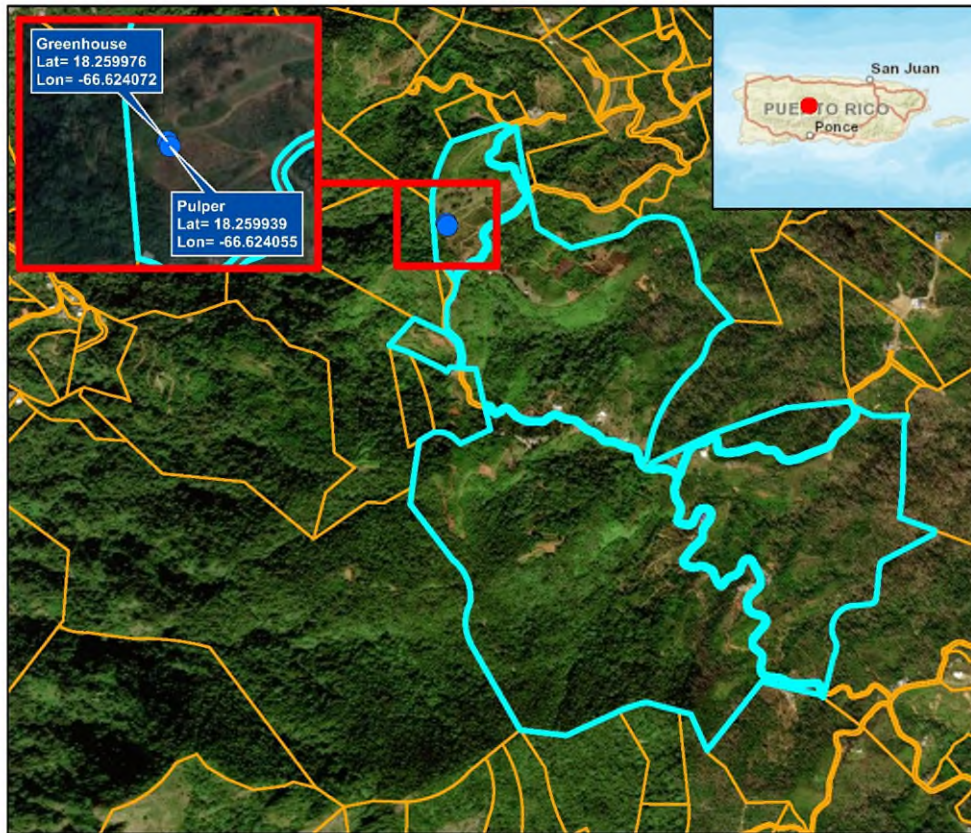
Project (PR-RGRW-01427) Location - Aerial Map

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS

Location: Aerial Map
Puerto Rico Department of Housing ReGrow

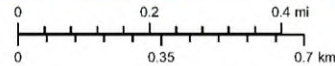
Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ
Carr 140 KM 38.9
Bo Tetuan Parc 4
Utuado, PR 00641
Catastro: 190-000-006-09-001
Lat: See List Below, Lon: See List Below



Legend

- PR-RGRW-01427
- PR-RGRW-01427 Parcel
- CRIM Parcels



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
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google Earth

Source

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



Applicant: Marcos A. Arce Ruiz

Case ID: PR-RGRW-01427

City: Utuado

Project (PR-RGRW-01427) Location - USGS Topographic Map



Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ

Carr 140 KM 38.9

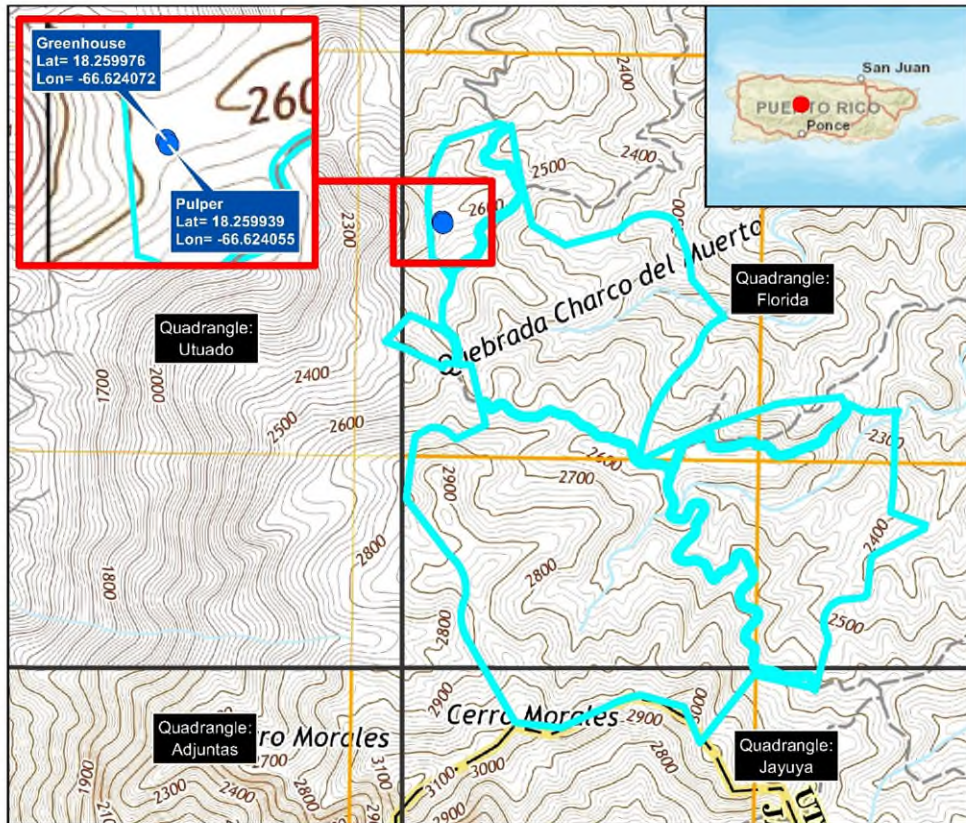
Bo Tetuan Parc 4

Utuado, PR 00641

Catastro: 190-000-006-09-001

Lat: See List Below, Lon: See List Below

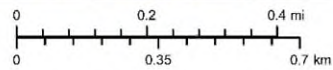
Location: USGS Topographic Map Puerto Rico Department of Housing ReGrow



Legend

- PR-RGRW-01427
- PR-RGRW-01427 Parcel

Contour Interval 20 Feet



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



Source

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

Applicant: Marcos A. Arce Ruiz

Case ID: PR-RGRW-01427

City: Utuado

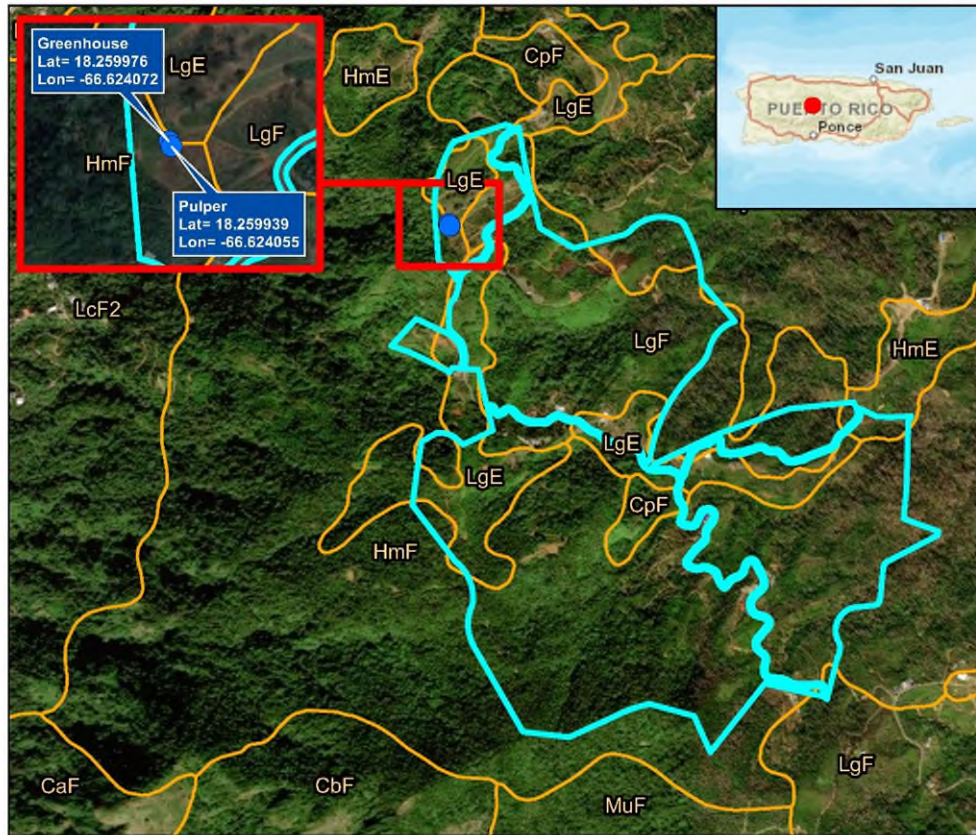
Project (PR-RGRW-01427) Location – Soils Map

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
10000, 10000 Y. Suite J-13, Calle Ponce 504, Arroyito, San Juan, PR, 00920 Tel: (787) 710-8200

Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ
Carr 140 KM 38.9
Bo Tetuan Parc 4
Utuado, PR 00641
Catastro: 190-000-006-09-001
Lat: See List Below, Lon: See List Below

Soils Map
Puerto Rico Department of Housing ReGrow

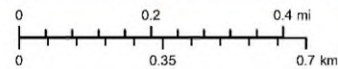


Legend

- PR-RGRW-01427
- PR-RGRW-01427 Parcel
- Soil Map Unit Symbol

Soil Map Unit Symbol

- *CaF - Caguabo clay loam, 20 to 60 percent slopes
- *CbF - Caguabo-Rock outcrop complex, 20 to 60 percent slopes
- *CpF - Consumo clay, 40 to 60 percent slopes
- *HmE - Humatas clay, 20 to 40 percent slopes
- *HmF - Humatas clay, 40 to 60 percent slopes
- *LcE2 - Lirios clay loam, 20 to 40 percent slopes, eroded
- *LcF2 - Lirios clay loam, 40 to 60 percent slopes, eroded
- *LgE - Los Guineos clay, 20 to 40 percent slopes
- *LgF - Los Guineos clay, 40 to 60 percent slopes
- *MuF - Mucara clay, 40 to 60 percent slopes



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
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google Earth

Source

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



Applicant: Marcos A. Arce Ruiz

Case ID: PR-RGRW-01427

City: Utuado

Project (PR-RGRW-01427) Location with Previous Investigations - Aerial Map



Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ

Carr 140 KM 38.9

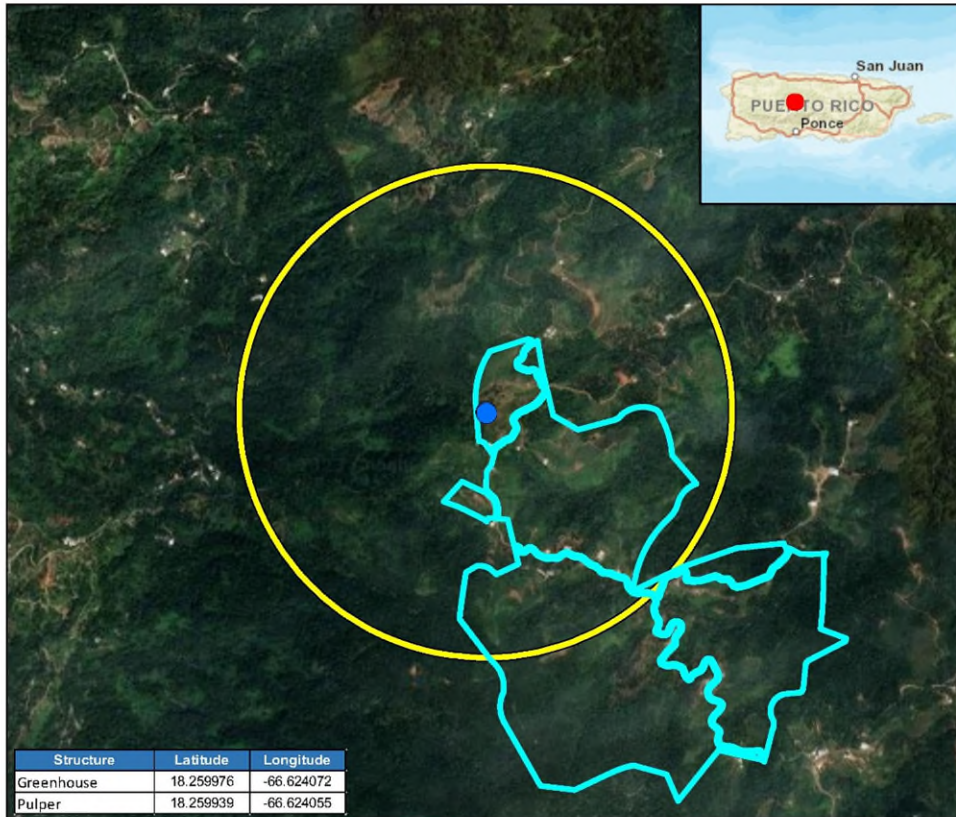
Bo Tetuan Parc 4

Utuado, PR 00641

Catastro: 190-000-006-09-001

Lat: See List Below, Lon: See List Below

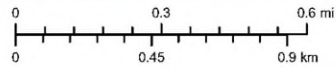
Previous Investigations: Aerial Map
Puerto Rico Department of Housing ReGrow



Structure	Latitude	Longitude
Greenhouse	18.259976	-66.624072
Pulper	18.259939	-66.624055

Legend

- PR-RGRW-01427
- PR-RGRW-01427 Parcel
- 0.50 Mile (0.80 km) Buffer



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), Swire, © OpenStreetMap contributors, and the GIS User Community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google Earth

Source

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

Project (PR-RGRW-01427) Location with Previous Investigations - Topographic Map

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Corporation, State of Puerto Rico, License No. 1001, San Juan, P.R. 00909

Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ

Carr 140 KM 38.9

Bo Tetuan Parc 4

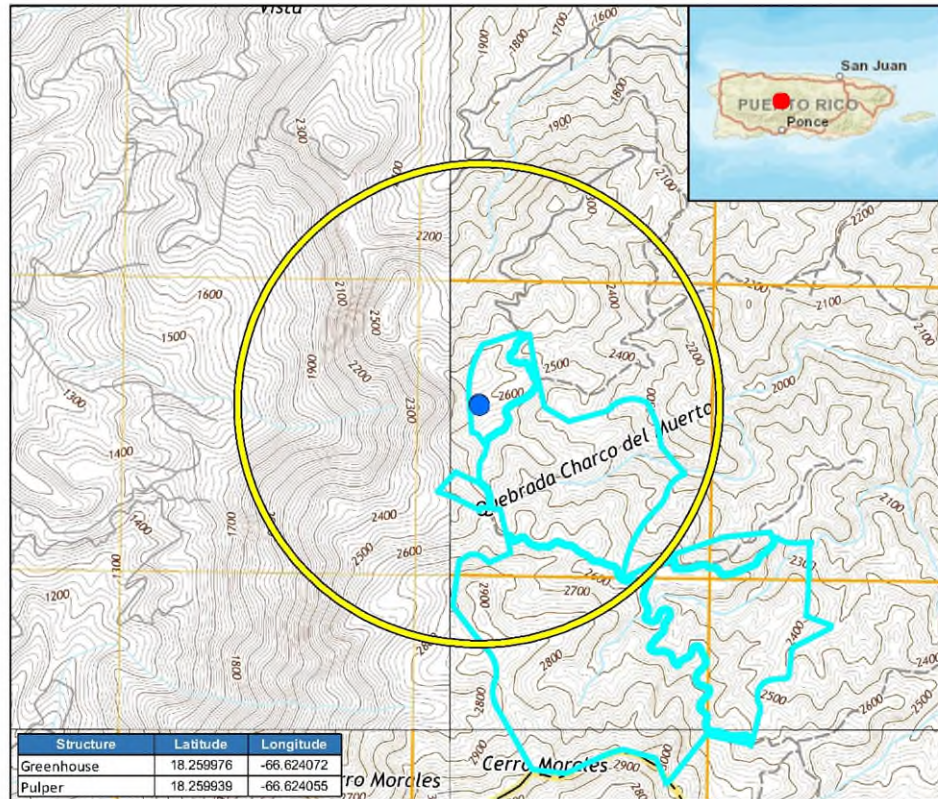
Utuado, PR 00641

Catastro: 190-000-006-09-001

Lat: See List Below, Lon: See List Below

Previous Investigations: USGS Topographic Map

Puerto Rico Department of Housing ReGrow

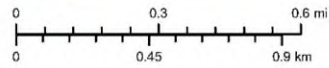


Structure	Latitude	Longitude
Greenhouse	18.259976	-66.624072
Pulper	18.259939	-66.624055

Legend

- PR-RGRW-01427
- PR-RGRW-01427 Parcel
- 0.50 Mile (0.80 km) Buffer

Contour Interval 20 Feet



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), Swisstopo, Mapbox, OpenStreetMap contributors, and the GIS User Community



Source

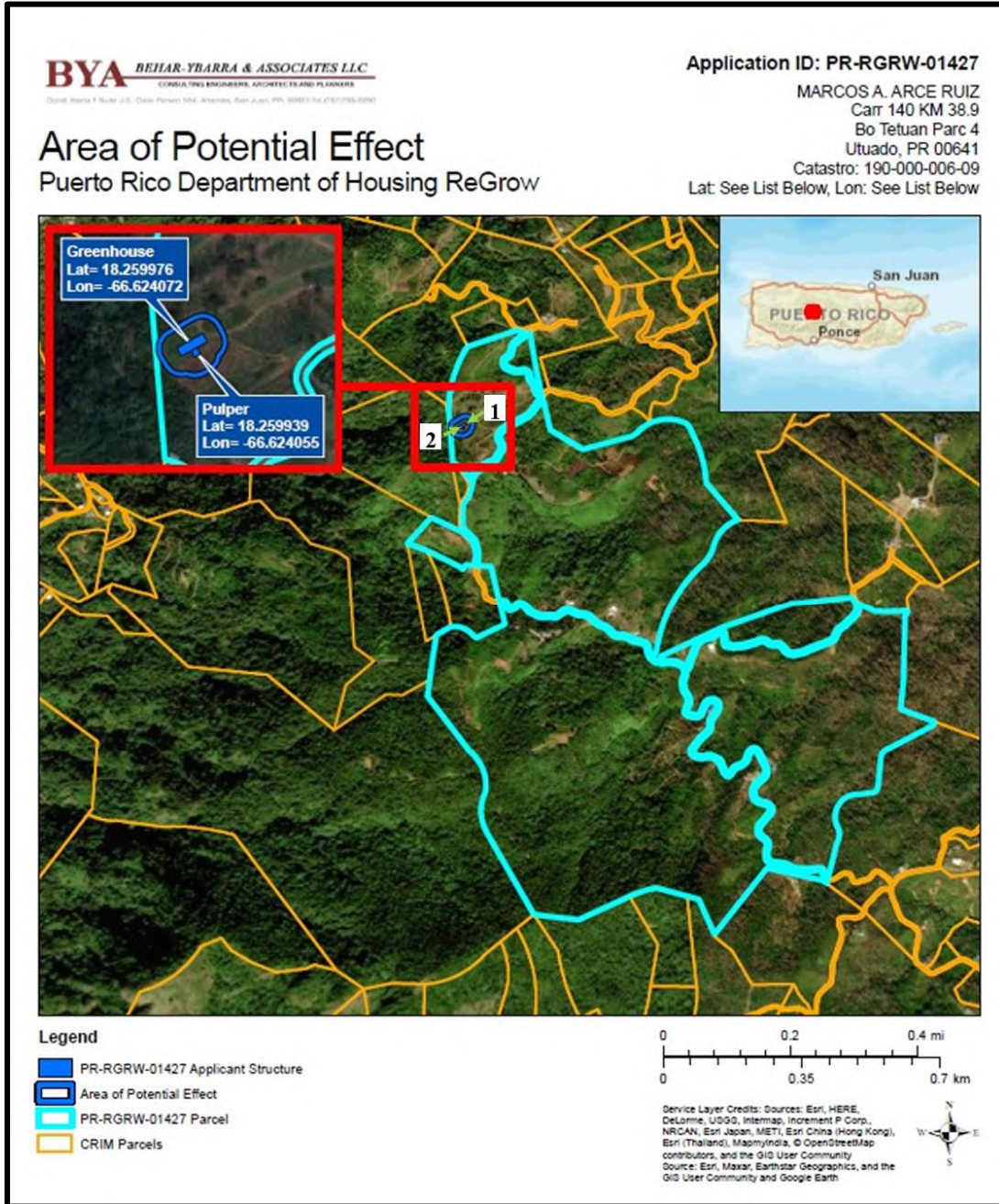
United States Geological Survey (USGS)
National Geologic Map Database
https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html

Applicant: Marcos A. Arce Ruiz

Case ID: PR-RGRW-01427

City: Utuado

Photograph Key





Applicant: Marcos A. Arce Ruiz

Case ID: PR-RGRW-01427

City: Utuado



Photo #: 1

Description (include direction): General area where the greenhouse and coffee pulper will be installed, looking southwest.

Date: September 4, 2023



Photo #: 2

Description (include direction): General area where the greenhouse and coffee pulper will be installed, looking northeast.

Date: September 4, 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.

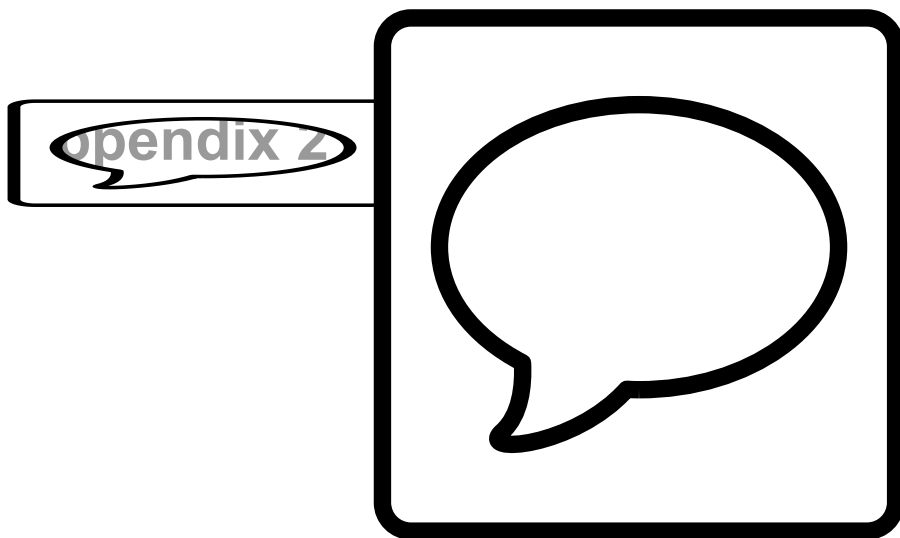
Cordially,

A handwritten signature in blue ink, appearing to be 'JB', is written over the printed name of the signatory.

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)

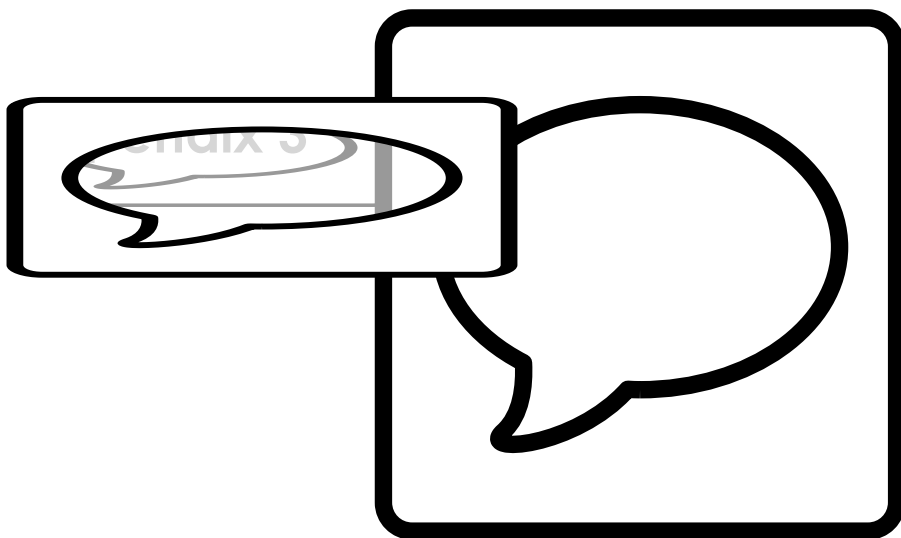
Change the State:

Important Notes

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

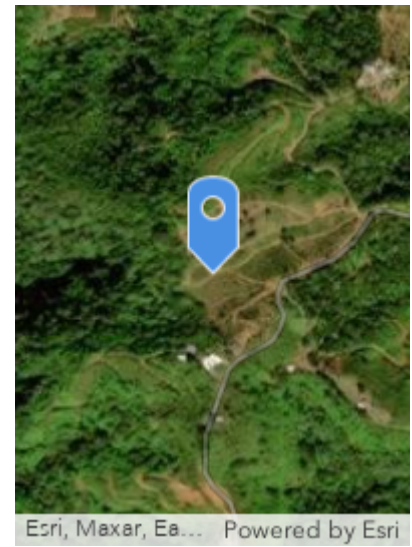
County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	11121314151617181920212223	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	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-01427
Applicant Name:	Marcos A Arce Ruiz
Parcel ID:	190-000-006-19-001
Latitude:	18.259976
Longitude:	-66.624072
Street Address:	CARR 140 KM 38.9 BO TETUAN PARC 4
Municipio:	Utua
Zip Code:	00641
Site Inspector:	Egon Gonzalez
Date of Visit:	August 9, 2023
Time of Visit:	10:09
Building Type:	



FIELD OBSERVATIONS

Question	Answer	Notes
A. Is the structure in use?	No	
B. Is the structure a greenhouse?	Yes	Greenhouse will be use to dry coffee
C. Is Electricity connected? (Utilities or Well)	No	
D. Is water connected? (Utilities or Well)	No	
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.	No	
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?	No	
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: Coffee Drier



Facing Away from Front

Photo Direction:

Comments:



Side #1 of Structure

Photo Direction:

Comments: Left side of drier



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:



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: Coffee, Bananas, Passion fruit,



Architectural Details 2

Photo Direction:

Photo Description: Coffee



Architectural Details 3

Photo Direction:

Photo Description: Coffee



Architectural Details 4

Photo Direction:

Photo Description: Overview



Architectural Details 5

Photo Direction:

Photo Description: Despulpadora;



Architectural Details 6

Photo Direction:

Photo Description: Despulpadora



Architectural Details 7

Photo Direction:

Photo Description: Overview



Architectural Details 8

Photo Direction:

Photo Description: Coffee



Architectural Details 9

Photo Direction:

Photo Description: Overview



Architectural Details 10

Photo Direction:

Photo Description: Overview



Architectural Details 11

Photo Direction:

Photo Description: Pitahaya



Architectural Details 12

Photo Direction:

Photo Description:



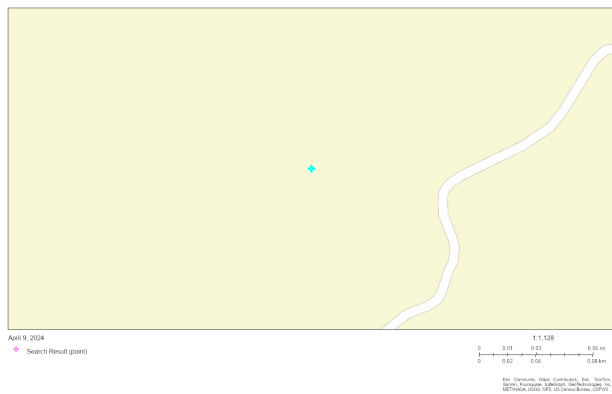
EJScreen Community Report

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

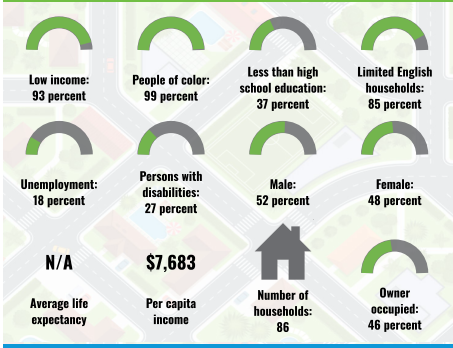
Utuado Municipio, PR

1 mile Ring Centered at 18.259976, -66.624071
 Population: 273
 Area in square miles: 3.14

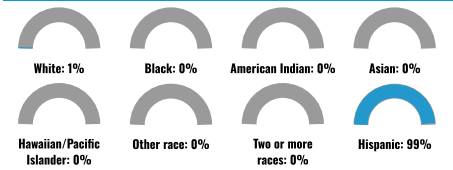
A3 Landscape



COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

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

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

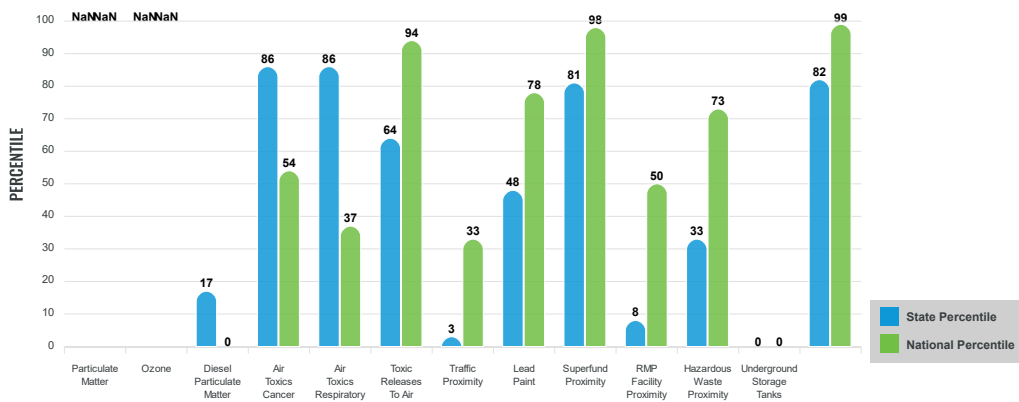
Environmental Justice & Supplemental Indexes

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

EJ INDEXES

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

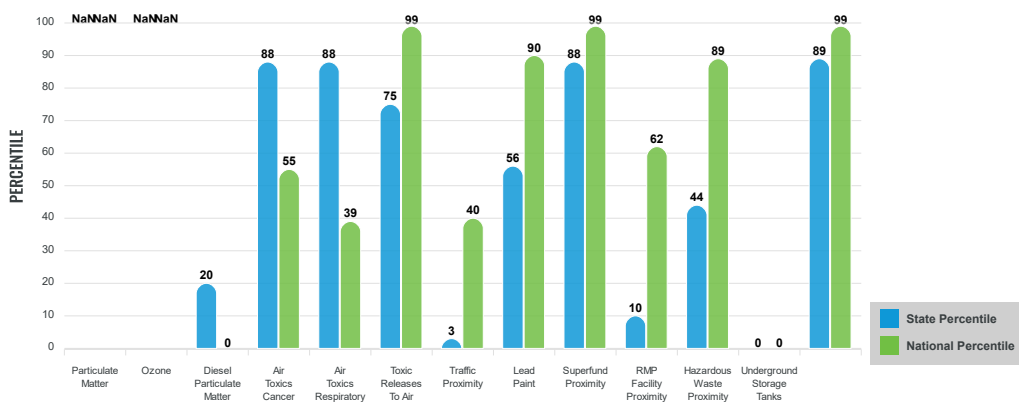
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

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

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



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

Report for 1 mile Ring Centered at 18.259976,-66.624071

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter (µg/m³)	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 (µg/m³)	0.0166	0.0667	15	0.261	0
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	940	4,300	57	4,600	58
Traffic Proximity (daily traffic count/distance to road)	2.6	180	2	210	7
Lead Paint (% Pre-1960 Housing)	0.072	0.16	42	0.3	30
Superfund Proximity (site count/km distance)	0.14	0.15	73	0.13	76
RMP Facility Proximity (facility count/km distance)	0.058	0.47	7	0.43	13
Hazardous Waste Proximity (facility count/km distance)	0.16	0.76	29	1.9	29
Underground Storage Tanks (count/km²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.079	2.3	70	22	81
SOCIOECONOMIC INDICATORS					
Demographic Index	96%	83%	86	35%	99
Supplemental Demographic Index	58%	43%	88	14%	99
People of Color	99%	96%	25	39%	96
Low Income	93%	70%	87	31%	99
Unemployment Rate	18%	15%	65	6%	94
Limited English Speaking Households	85%	67%	85	5%	99
Less Than High School Education	37%	21%	87	12%	95
Under Age 5	15%	4%	98	6%	96
Over Age 64	12%	22%	15	17%	36
Low Life Expectancy	N/A	N/A%	N/A	20%	N/A

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

Sites reporting to EPA within defined area:

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

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	No
Impaired Waters	Yes

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

Report for 1 mile Ring Centered at 18.259976,-66.624071

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	N/A	N/A	20%	N/A
Heart Disease	N/A	N/A	N/A	6.1	N/A
Asthma	N/A	N/A	N/A	10	N/A
Cancer	N/A	N/A	N/A	6.1	N/A
Persons with Disabilities	20.2%	21.6%	40	13.4%	86

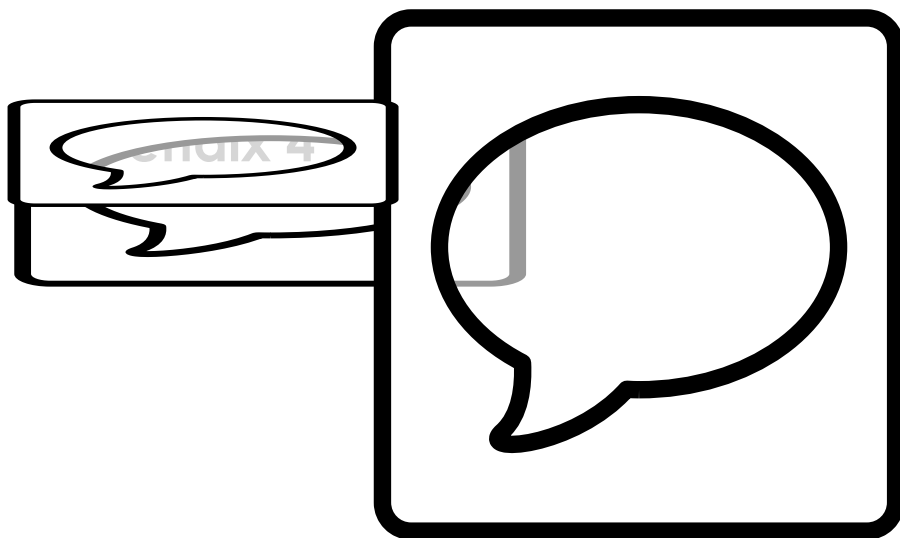
CLIMATE INDICATORS

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

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	57%	32%	88	14%	99
Lack of Health Insurance	4%	7%	25	9%	31
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for 1 mile Ring Centered at 18.259976,-66.624071





United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Bayamón | Mayagüez | Maricao | Río Grande | St Croix
P.O. Box 491
Boquerón, Puerto Rico 00622



In Reply Refer to:
FWS/R4/CESFO/72141-Gen

Submitted Via Electronic Mail: jcperez@vivienda.pr.gov

Juan Carlos Pérez-Bofill, PE, MEng.
Director – Disaster Recovery CDBG-DR Program
Puerto Rico Department of Housing
P.O. Box 21365
San Juan, P.R 00928-1365

Re: CDBG-DR PR-RGRW-01427 Marcos A.
Arce Ruiz, Utuado, Puerto Rico

Dear Mr. Pérez-Bofill

Thank you for your letter dated March 14, 2024, requesting informal consultation on the above referenced project. As per your request, our comments are provided under the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

The Puerto Rico Department of Housing (PRDOH) is proposing the purchase of a pickup truck, an Utility Task Vehicle (UTV), and the purchase and installation of a 20 feet x 80 feet greenhouse (18°15'35.9"N 66°37'26.7"W) and a coffee pulper (18°15'35.8"N 66°37'26.6"W). The proposed project will be located on State Road PR-140, Km 38.9, Bo. Tetuán in the municipality of Utuado, Puerto Rico. The installation of the greenhouse and the coffee pulper will require ground disturbance.

Using the U.S. Fish and Wildlife Service's (Service) Information for Planning and Consultation (IPaC) system, the PRDOH has determined that the proposed project site is located within the range of Puerto Rican boa (*Epicrates inornatus* now known as *Chilabothrus inornatus*), Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*), Puerto Rican parrot (*Amazona vittata*) and Puerto Rican harlequin butterfly (*Atlantea tulita*).

The Caribbean Determination Key (DKey) in the IPaC application was used to evaluate the potential impacts of the proposed project on federally listed species (Project code: 2024-0054427). Based on the answers provided, a consistency letter was obtained for the Puerto Rican boa and Puerto Rican broad-winged hawk, which determined that the proposed actions for this project

would have “No Effect” (NE) for these species. The Service acknowledges receipt of the NE DKey consistency letter for the Puerto Rican boa and Puerto Rican broad-winged hawk.

For the Puerto Rican parrot, PRDOH made a no effect (NE) determination due to the lack of suitable habitat for this species within the project area. We acknowledge receipt of PRDOH’s NE determination for the Puerto Rican parrot. Currently, we do not have any information to refute that determination. Because PRDOH made a NE determination, PRDOH is not required to conduct formal or informal section 7 consultation with the Service, and the Service is not required to concur with PRDOH’s NE determination.

As for the Puerto Rican harlequin butterfly, based on the scope of work and project location, PRDOH has determined that the proposed project may affect but is not likely to adversely affect this species since its critical habitat is 23,433 feet from the project location and the land has been used for agricultural purposes for more than 30 years.

We have reviewed the information provided and our files, and concur with PRDOH’s determination that the proposed actions may affect but is not likely to adversely affect the Puerto Rican harlequin butterfly. Also, please be aware that the Puerto Rican harlequin butterfly measures were amended to clarify how they are appropriately applied. Therefore, the Service recommends the applicant to adopt the implementation of the below updated conservation measures for the proposed actions.

1. The contractor must inform all personnel about the potential presence of the Puerto Rican harlequin butterfly or its occupied host plant “prickly bush” (*Oplonia spinosa*) in the project areas. A pre-work meeting should inform all project personnel about the need to avoid harming this butterfly and its occupied host plant. Educational material (e.g., posters, flyers or signs with photos or illustrations of all the life stages of the Puerto Rican harlequin butterfly (i.e., eggs, caterpillar, chrysalids and adult, and its host plant) should be prepared and available to all personnel for reference.
2. Before starting any project activity, including removal of vegetation and earth movement, the contractor must clearly delineate the boundaries of the working area in the field to avoid unnecessary habitat impacts. Once the project areas are clearly marked, and before any work activity, including site preparation, personnel with knowledge and ability to identify the Puerto Rican harlequin butterfly (all life stages) and the “prickly bush” must survey the areas where the work will be performed for the presence of the species and its host plant. It is important to note that the Puerto Rican harlequin butterfly can be observed year-round in all its life stages; thus, oviposition (egg-laying) may occur at any time during the year.
3. If the “prickly bush” is present on the project site, try to avoid cutting it off, even if no eggs, caterpillars, or chrysalids are present.
4. If there is no prickly bush within the project area, and the butterfly is observed flying within the project area, do not harass, harm, pursue, wound, kill, trap, capture, collect, or attempt to engage in any such conduct, the species.
5. Adult butterflies are often observed flying near the host plant as part of their mating behavior and laying eggs. Project-related activities must stop if the prickly bush is found

in the project area and the Puerto Rican harlequin butterfly is observed flying in that same area. A temporary 50-meter (164 feet) buffer zone of no activity or human disturbance should be established and clearly marked around that prickly bush until the butterfly moves out on its own.

6. Once the Puerto Rican harlequin butterfly has moved away, within a period of 24 to 36 hours, a search of the prickly bush that has been buffered should be conducted to determine the presence of any eggs, caterpillars, or chrysalids of the butterfly on the plant. The contractor or the Applicant should send a report of the observation and its findings to caribbean_es@fws.gov after the 36-hour search is concluded.
7. If, after the initial search or after the 24 to 36-hour search, any life stage of the Puerto Rican harlequin butterfly is found in the prickly bush, take the following actions:
 - Clearly mark the host plant with flagging tape.
 - Establish a 10-meter (32-foot) buffer zone around the bush to protect it.
 - Eggs are typically found on the prickly bush's newly grown, tender branches. Once an egg hatches, the caterpillar moves and feeds throughout the bush. Therefore, avoid cutting off the prickly bush within the project site even if no eggs, caterpillars, or chrysalids are present.
 - Work within the 10-meter buffered area may resume when no signs of any live life stage of the butterfly are detected, which usually takes approximately 60 to 120 days.
8. For all Puerto Rican harlequin butterfly sightings (all life stages), the time and date of the sighting and the specific location where the butterfly was found must be recorded. Data should also include a photo of the butterfly (if possible) and the habitat where it was observed, site GPS coordinates, and comments on how the butterfly was detected and its behavior. All Puerto Rican harlequin butterfly sighting reports should be sent to the USFWS Caribbean Ecological Service Field Office at caribbean_es@fws.gov.
9. For questions regarding the Puerto Rican harlequin butterfly, the Point of Contacts are:
José Cruz-Burgos, Endangered Species Coordinator:
 - Mobile: 305-304-1386
 - Office phone: 786-244-0081
 - Office Direct Line: 939-320-3120
 - Email: jose_cruz-burgos@fws.gov

In view of this, we believe that requirements of section 7 of the Endangered Species Act (Act) have been satisfied. However, obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner that was not previously considered; (2) this action is subsequently modified in a manner not previously considered in this assessment; or, (3) a new species is listed, or critical habitat determined that may be affected by the identified action.

Mr. Pérez-Bofill

4

Thank you for the opportunity to comment on this project. If you have any questions or require additional information, please contact us via email at caribbean_es@fws.gov or by phone at (786) 244-0081.

Sincerely,

Robert Tawes
Acting Field Supervisor

drr

March 12, 2024

Robert Tawes
Division Supervisor, Environmental Review
U.S. Fish and Wildlife Service
Southeast Regional Office
1875 Century Boulevard
Atlanta, GA 30345
email: robert_tawes@fws.gov

RE: Informal Consultation for Case PR-RGRW-01427 located at Carr 140 Km. 38.9 Bo. Tetuán, Parc 4 Utuado, Puerto Rico 00641.

Dear Mr. Tawes:

The Puerto Rico Department of Housing is requiring informal consultation under Section 7 (a)(2) of the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.) for the proposed project PR-RGRW-01427, located at coordinates of the greenhouse: latitude 18.259976, longitude -66.624072 and the installation of a coffee pulper in the coordinates: latitude 18.259939, longitude -66.624055 on Carr 140 Km. 38.9 Bo. Tetuán, Parc 4 Utuado, Puerto Rico 00641, see Figure 1: Location Map and Figure 2: Topographic Map. 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-01427 consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper. Also includes the purchase of a Pickup 250 and a UTV. The installation of a greenhouse and the coffee pulper will require ground disturbance. The greenhouse will be anchored to 10 feet spaced supports buried 2 feet deep on bare soil. No water or power connection is needed for the greenhouse. The purpose of the greenhouse is to dry the coffee beans in a natural way. The coffee pulper will be anchored on a cement slab that will be provided by the applicant. The cement slab will have a dimension of 20' x 20' and a depth of 2 feet. The power needed to operate the coffee pulper will be provided by a diesel generator that will be provided by the applicant. The generator will not be affixed to the cement slab. The project area is located at PR-140 km. 38.9 within the Municipality of Utuado. Based on a review of historical aerial imagery, the location for the proposed activities has been used for agricultural purposes for the past 30 years. 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 and coffee pulper, see Figure 3: Area of Potential Effect.

Existing Conditions and Trends:

The proposed project parcel 190-000-006-19-001 is designated as Not Prime Farmland, See Figure 4: Farmland Protection Map. The project area is located in the mountainous area of Utuado. The area where the greenhouse and the coffee pulper will be placed has a flat topography, refer to Photo 1 and Photo 2. There are several types of soils on the project site. The predominant soil where the greenhouse and coffee

pulper will be placed is classified as Humatas clay, 40 to 60 percent slope (HmF). The land has been used for agricultural uses for more than 30 years and the proposed project will not change the land use associated with these placements. In addition, the closer Final Critical Habitat is located 23,433 feet from the project location, see Figure 5: Critical Habitats Map. There are no wetlands on or near the project activity area, see Figure 6: Wetlands Map.

Using the Information for Planning and Consultation (IPaC) system (See Exhibit B), 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
Birds	
Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>)	Endangered
Puerto Rican Parrot (<i>Amazona vittata</i>)	Endangered
Insects	
Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</i>)	Threatened
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 26, 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 and Puerto Rican Broad-winged Hawk, see Exhibit B. In addition, the type of work to be performed does not require heavy machinery and as can be seen in the photos, the area where the greenhouse and the coffee pulper will be installed is only grass. Based on the provided information and the observations in the filed visit it was determined that it will also be a "No Effect" for the Puerto Rican Parrot.

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
Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>)	No Effect (NE)	No conservation measures
Puerto Rican Parrot (<i>Amazona vittata</i>)	No Effect (NE)	No conservation measures
Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</i>)	May Affect, but is Not Likely to Adversely Affect (NLAA)	No conservation measures

Critical Habitats

There are no critical habitats within the project area.

In order to complete the informal consultation process, we are requesting your concurrence for the NE determination for the Puerto Rican Parrot and a NLAA determination for the Puerto Rican Harlequin Butterfly. Attached to this letter, we are including the documents used to reach our effect determinations for the listed species. Should you require

References:

Puerto Rican boa (*Chilabothrus inornatus*)

Species Profile: <https://ecos.fws.gov/ecp/species/6628>

USFWS Puerto Rican boa Conservation Measures

Puerto Rican Broad-winged Hawk (*Buteo platypterus brunnescens*)

Species Profile: <https://ecos.fws.gov/ecp/species/5512>

Puerto Rican Parrot (*Amazona vittata*)

Species profile: <https://ecos.fws.gov/ecp/species/3067>

Puerto Rican Harlequin Butterfly (*Atlantea tulita*)

Species profile: <https://ecos.fws.gov/ecp/species/9005>

Exhibit A: Figures

Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ

Carr 140 KM 38.9

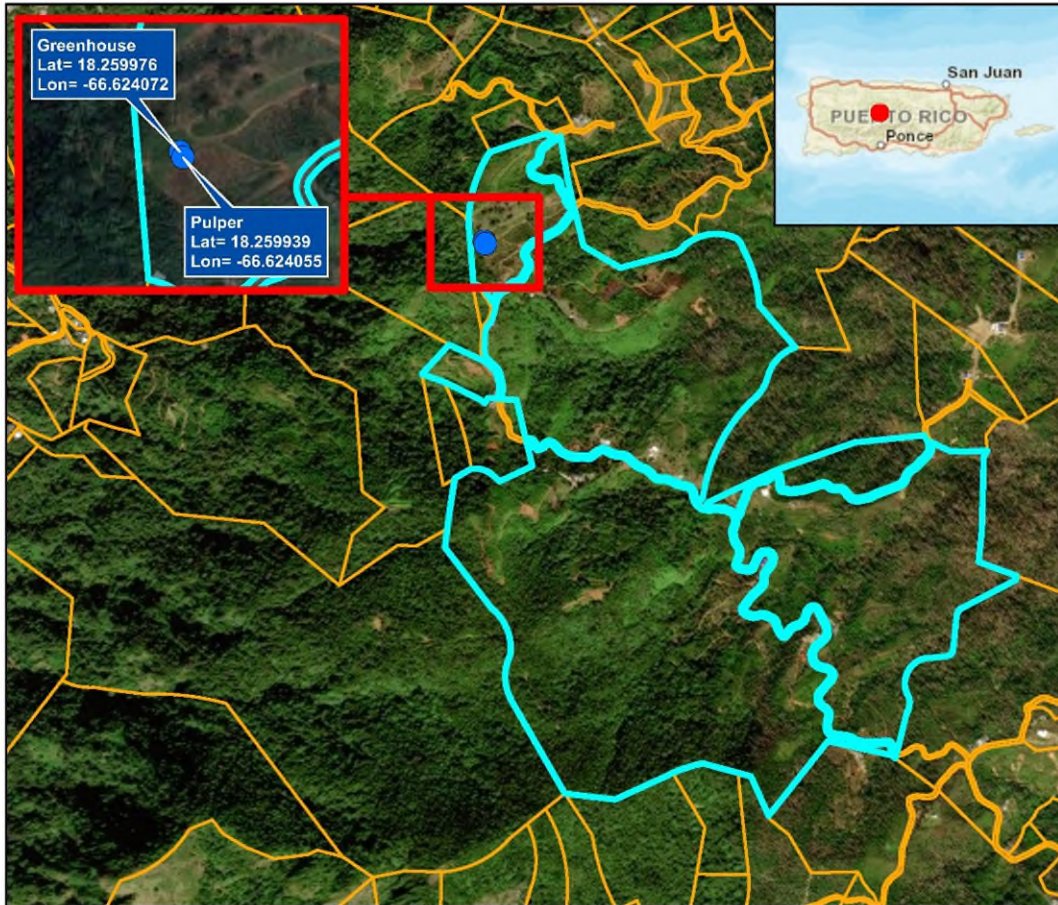
Bo Tetuan Parc 4

Utuaado, PR 00641

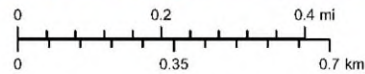
Catastro: 190-000-006-09-001

Lat: See List Below, Lon: See List Below

Location: Aerial Map
 Puerto Rico Department of Housing ReGrow



- Legend**
- PR-RGRW-01427
 - PR-RGRW-01427 Parcel
 - CRIM Parcels



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
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google Earth



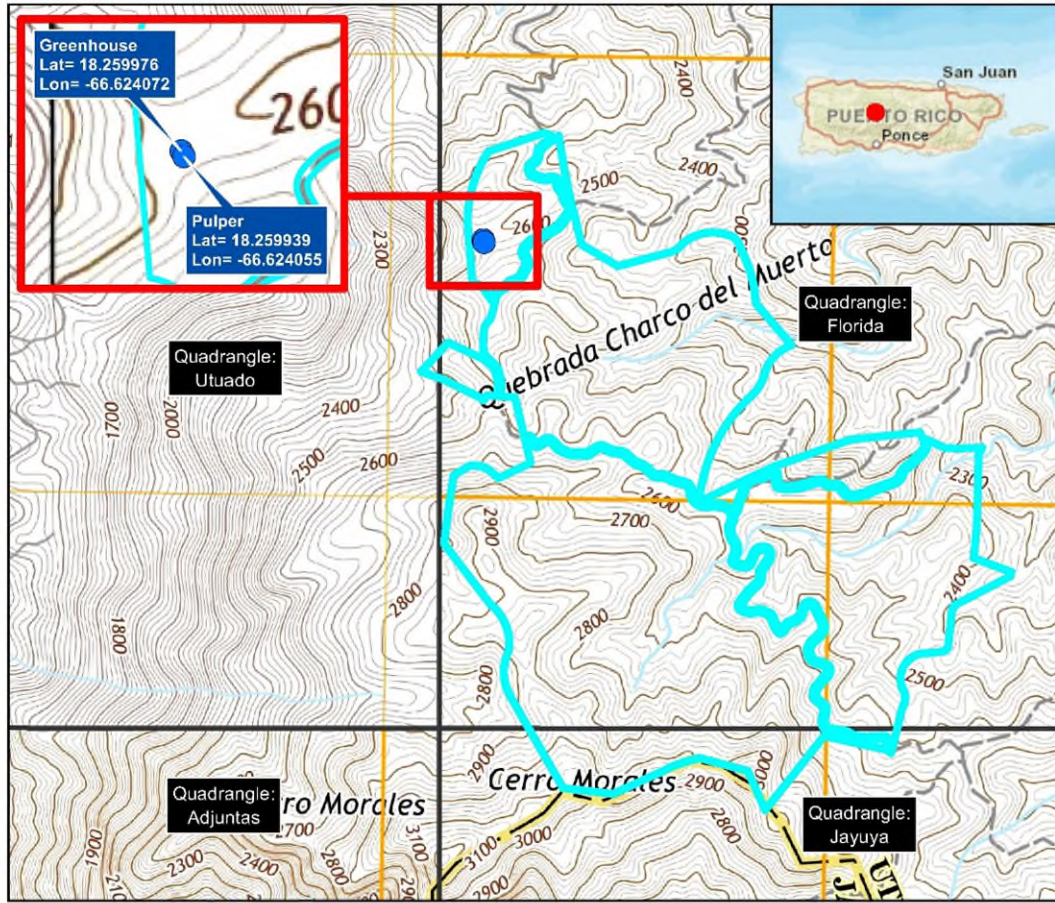
Source
 Centro de Recaudación de Ingresos Municipales (CRIM)
<https://catastro.crimpr.net/cdprpc/>

Figure 1: PR-RGRW-01427 Location Map

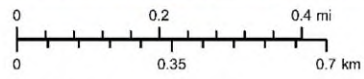
Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ
Carr 140 KM 38.9
Bo Tetuan Parc 4
Utuaado, PR 00641
Catastro: 190-000-006-09-001
Lat: See List Below, Lon: See List Below

Location: USGS Topographic Map
Puerto Rico Department of Housing ReGrow



Legend
 ● PR-RGRW-01427
 ■ PR-RGRW-01427 Parcel
 Contour Interval 20 Feet



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

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

Figure 2: PR-RGRW-01427 Topographic Map

Application ID: PR-RGRW-01427

MARCOS A. ARCE RUIZ

Carr 140 KM 38.9

Bo Tetuan Parc 4

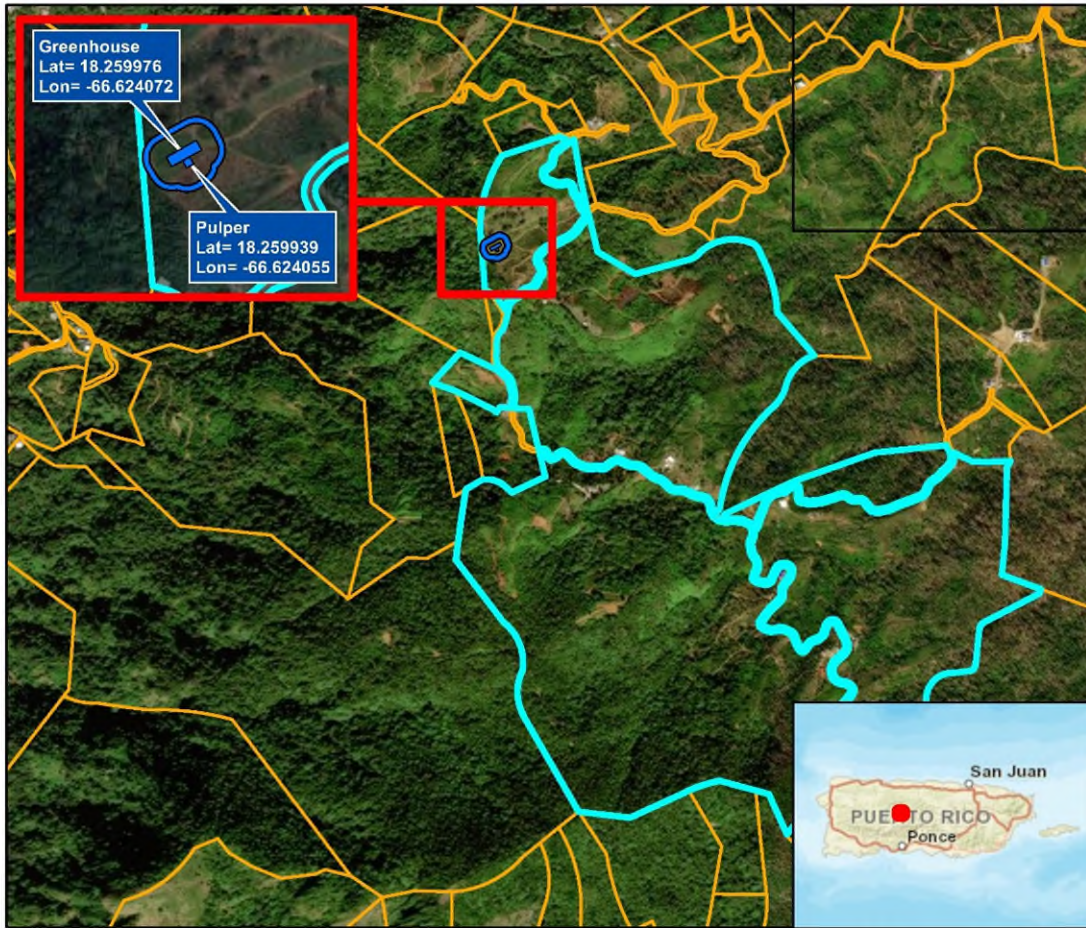
Utua, PR 00641

Catastro: 190-000-006-09-001

Lat: See List Below, Lon: See List Below

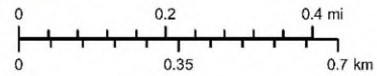
Area of Potential Effect

Puerto Rico Department of Housing ReGrow



Legend

- PR-RGRW-01427 Applicant Structure
- Area of Potential Effect
- PR-RGRW-01427 Parcel
- CRIM Parcels



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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google Earth



Source

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

Figure 3: PR-RGRW-01427 Area of Potential Effect Map

Farmland Protection

Puerto Rico Department of Housing ReGrow



Legend:

● PR-PGRW-01427

Farm Class

- 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

Source

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

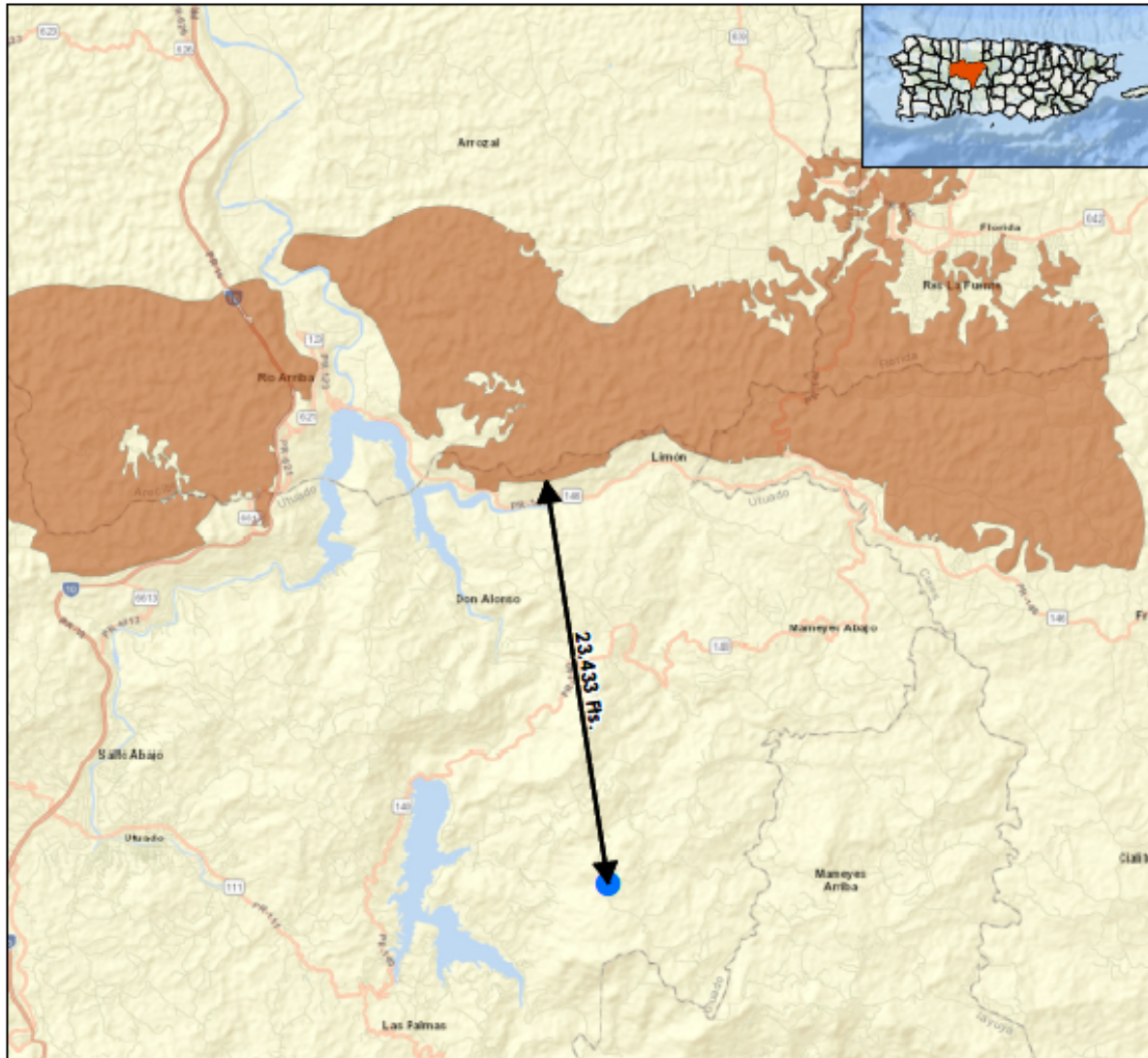


1:12,000

Figure 4: PR-RGRW-01427 Farmland Protection Map

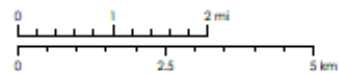
Threatened & Endangered Species

Puerto Rico Department of Housing ReGrow



Legend:

- PR-PGRW-01427
- Critical Habitat



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox, © OpenStreetMap contributors, and the GIS User Community

Source

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

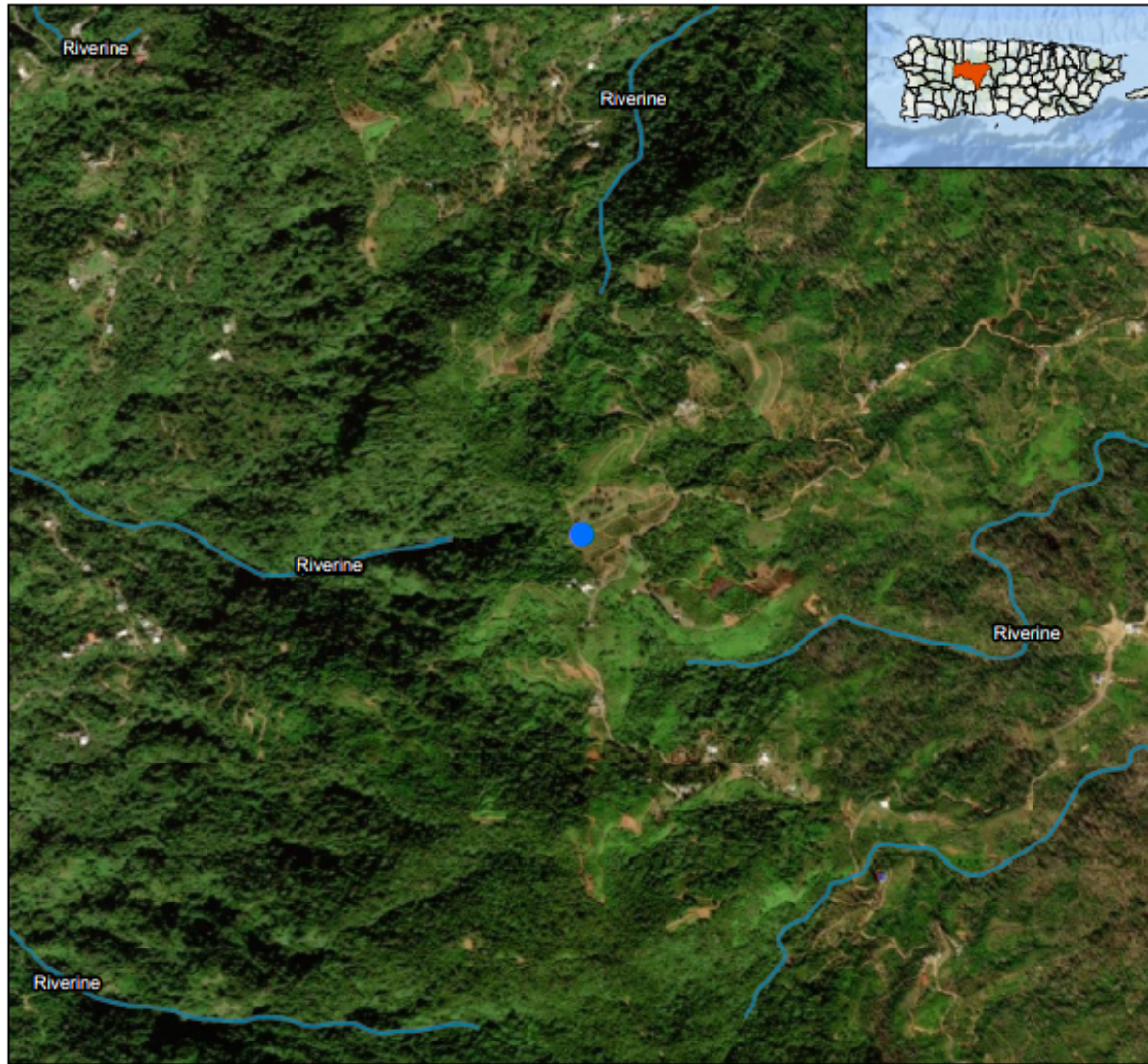


1:100,000

Figure 5: PR-RGRW-01427 Critical Habitats Map

Wetlands Map

Puerto Rico Department of Housing ReGrow

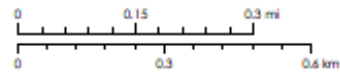


Legend:

● PR-RGRW-01427

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

Source

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



1:12,000

Figure 6: PR-RGRW-01427 Wetlands Map

Exhibit B: Information for Planning and Consultation (IPaC)



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: 2024-0054427
Project Name: PR-RGRW-01427

February 26, 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: 2024-0054427

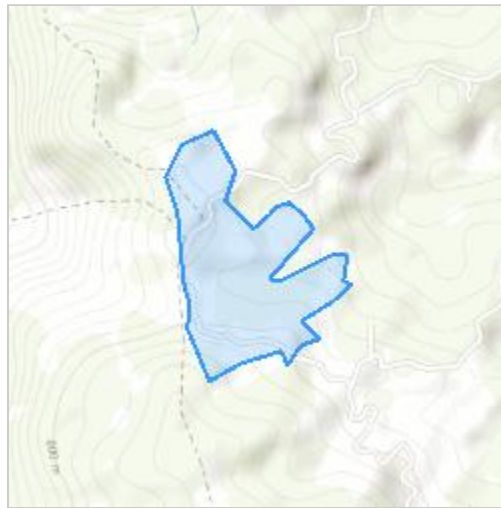
Project Name: PR-RGRW-01427

Project Type: New Constr - Above Ground

Project Description: The proposed activities for PR-RGRW-01427 consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper. Also includes the purchase of a Pickup 250 and a UTV. The installation of a greenhouse and the coffee pulper will require ground disturbance. The greenhouse will be anchored to 10 feet spaced supports buried 2 feet deep on bare soil. No water or power connection is needed for the greenhouse. The purpose of the greenhouse is to dry the coffee beans in a natural way. The coffee pulper will be anchored on a cement slab that will be provided by the applicant. The cement slab will have a dimension of 20' x 20' and a depth of 2 feet. The power needed to operate the coffee pulper will be provided by a diesel generator that will be provided by the applicant. The generator will not be affixed to the cement slab. The project area is located at PR-140 km. 38.9 within the Municipality of Utuado. Based on a review of historical aerial imagery, the location for the proposed activities has been used for agricultural purposes for the past 30 years.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.258233500000003,-66.62239086477928,14z>



Counties: Utuado County, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

There is a total of 4 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.

BIRDS

NAME	STATUS
Puerto Rican Broad-winged Hawk <i>Buteo platypterus brunnescens</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5512	Endangered
Puerto Rican Parrot <i>Amazona vittata</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3067	Endangered

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/X3T2T3GSCFC3DBSDIVEUMIIA4A/documents/generated/7159.pdf	Endangered

INSECTS

NAME	STATUS
Puerto Rican Harlequin Butterfly <i>Atlantea tulita</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9005	Threatened

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.

RIVERINE

- R5UBH



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: 2024-0054427
Project Name: PR-RGRW-01427

February 26, 2024

Subject: Consistency letter for the project named 'PR-RGRW-01427' 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 26, 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-01427'. The project is located in Utuado County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.258233500000003,-66.62239086477928,14z>



The following description was provided for the project 'PR-RGRW-01427':

The proposed activities for PR-RGRW-01427 consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper. Also includes the purchase of a Pickup 250 and a UTV. The installation of a greenhouse and the coffee pulper will require ground disturbance. The greenhouse will be anchored to 10 feet spaced supports buried 2 feet deep on bare soil. No water or power connection is needed for the greenhouse. The purpose of the greenhouse is to dry the coffee beans in a natural way. The coffee pulper will be anchored on a cement slab that will be provided by the applicant. The cement slab will have a dimension of 20' x 20' and a depth of 2 feet. The power needed to operate the coffee pulper will be provided by a diesel generator that will be provided by the applicant. The generator will not be affixed to the cement slab. The project area is located at PR-140 km. 38.9 within the Municipality of Utuado. Based on a review of historical aerial imagery, the location for the proposed activities has been used for agricultural purposes for the past 30 years.

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
Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</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.

In addition to the species listed above, the following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion. Effects to the other federally listed species or critical habitat as listed below should be considered as part of your ESA review for the project.

- Puerto Rican Harlequin Butterfly *Atlantea tulita* Threatened
- Puerto Rican Parrot *Amazona vittata* Endangered

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-01427

2. Description

The following description was provided for the project 'PR-RGRW-01427':

The proposed activities for PR-RGRW-01427 consist of the purchase and installation of a 20' x 80' greenhouse and a coffee pulper. Also includes the purchase of a Pickup 250 and a UTV. The installation of a greenhouse and the coffee pulper will require ground disturbance. The greenhouse will be anchored to 10 feet spaced supports buried 2 feet deep on bare soil. No water or power connection is needed for the greenhouse. The purpose of the greenhouse is to dry the coffee beans in a natural way. The coffee pulper will be anchored on a cement slab that will be provided by the applicant. The cement slab will have a dimension of 20' x 20' and a depth of 2 feet. The power needed to operate the coffee pulper will be provided by a diesel generator that will be provided by the applicant. The generator will not be affixed to the cement slab. The project area is located at PR-140 km. 38.9 within the Municipality of Utuado. Based on a review of historical aerial imagery, the location for the proposed activities has been used for agricultural purposes for the past 30 years.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.258233500000003,-66.62239086477928,14z>



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

11. Does the proposed project intersect the Puerto Rican Broad-winged hawk area of influence?

Automatically answered

Yes

Exhibit C: Field Visit Photos



Photo #: 1

Date: September 4, 2023

Description (include direction): General area where the greenhouse and coffee pulper will be installed, looking southwest.



Photo #: 2

Date: September 4, 2023

Description (include direction): General area where the greenhouse and coffee pulper will be installed, looking northeast.