

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-01154

Project Name: Hacienda LeLoLai, LLC

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico / Jayuya, 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 and Limary Vélez Marrero.

Consultant: Behar Ybarra & Associates LLC

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

Project Location:

Carr 144, Km 8 interior Bo. Coabey, Jayuya, PR 00664

Storage Structure location: latitude 18.209917, longitude -66.568238

Solar Panels location: latitude 18.210014, longitude -66.568048

Parcel cadastral # 242-000-005-33-000

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

The proposed project for PR-RGRW-01154, consist of the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco. The solar panels will be installed on top of an existing galvalume container. A new transfer switch will be installed for the solar panels. No ground disturbance will be needed for the solar panel installation. The project includes a new 10 x 20 galvanized steel structure (cocoa drier) with gabled roof

in Galvalum G-24 and sides in mesh steel. Adjacent to the structure, a 10 x 16 steel frame will be installed to be covered with plastic as a roof. The installation of the structure will require ground disturbance since it will be installed on a concrete slab. The concrete slab will be provided by the applicant and will have the same measurements as the structures. The water needed for the structure will be provided from an existing P.R.A.S.A. water intake on the property and the water pipes will be placed above ground. The power needed for the operation of the structure will be provided from an existing P.R.E.P.A./LUMA power outlet on the property. No other equipment to be purchased will require ground disturbance. The project area is located at PR-144 km. 8 Int within the Municipality of Jayuya. Based on a review of historical aerial imagery, the general area has been used for agricultural purposes for the past 7 years.

The Area of Potential Effect (APE) has been defined as the area potentially impacted by ground disturbing activities related to the new storage structure. 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 new storage structure 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 new storage structure and the solar panels on the property. Photos of the locations are included in the Section 106 documentation, Appendix 1.

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 installation/construction of a new 10 x 20 galvanized steel structure (cocoa drier) with gabled roof in Galvalum G-24 and sides in mesh steel, adjacent to the structure, a 10 x 16 steel frame will be installed to be covered with plastic as a roof, and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco is in keeping with the overall objectives of the Economic Development Program.

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

The existing area for which the proposed new structure will be installed is now on bare soil, but it will be installed on a concrete slab and is located to the southwest of the existing storage trailer. The surface is mostly exposed. The solar panels will be installed on top of an existing galvalume container. Therefore, there is 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: \$149,872.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$149,872.00.

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 of installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco will have no impact on any Airports. The site is located 72,809 feet from the nearest major civil airport (Mercedita International Airport in

		Ponce) and 213,174 feet from the nearest military airport (Luis Muñoz Marín International Airport in San Juan). This topic is in compliance with the HUD's Airport Hazard regulations without further evaluation. See the attached Airport map Runway Protection Zone, Figure 2.
<p>Coastal Barrier Resources</p> <p>Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project is not located in a CBRS Unit. The project is located 82,852 feet north of the nearest Coastal Barrier Resource System, PR-56. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. See the attached CBRS map, Figure 3.</p>
<p>Flood Insurance</p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located in a Zone X, Panel 72000C1105H, 4/19/2005 on the FEMA FIRM. The project does not require flood insurance or is excepted from flood insurance. See attached Flood Map, Figure 4 and 4.1.</p>
<p>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</p>		
<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for choco 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</p>

		each country by year for all criteria pollutants in Appendix 2.
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located 79,646 feet from the nearest Coastal Zone Management Area and does not affect a Coastal Zone as defined in the state Coastal management Plan. The project is in compliance with the Coastal Zone Management Act. See the attached CZMA map, Figure 5.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 58.5(i)(2)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco for an agricultural project. On-site or nearby toxic, hazardous, or radioactive substances that could affect the health and safety of project occupants or conflict with the intended use of the property were not found. There is one site of environmental concern identified within 3,000 feet from the project site.</p> <p>EPA Facility Interests NPDES (Water Discharges) 110071402205 Coabey Ward Sanitary Sewer System - Phase II – 1,357 ft. Address: Carretera PR- 144 Bo Coabey Km 6.0 a Km 10.2 Jayuya, PR 00664. Coordinates: 18.209917, -66.568238</p> <p>Based on EPA Enforcement and Compliance History Online (EPA ECHO) there are no violations reported. See Appendix 3.</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>The project could involve any activity that has an adverse effect on protected species or critical habitats. 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 broad-winged hawk, PR parrot, sharp-shinned hawk and PR boa could be found in the project area (see attached Appendix 4). The installation of the storage structure will require ground disturbance since it will be installed on a concrete slab. The scope of work includes continued agricultural use of the property with no intention to cut down trees or making major changes in the topography of the project area because the new structure will be installed over a space that has been cleared and maintained that way for agricultural purposes. This project will have No Effect on listed species due to the nature of the activities involved in the project. Additionally, the project has no critical habitats in the area. The project is 36,334 feet from the nearest final endangered species critical habitat.</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>
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		This project is in compliance with the Endangered Species Act. See attached Endangered Species map, Figure 7.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project consists of installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco and does not include development, construction or rehabilitation that will increase residential density. The project is in compliance with explosive and flammable hazard requirements.
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. All areas under the project site are not prime farmland. 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 a Zone X, Panel 72000C1105H, 4/19/2005 (Figure 4.1). The site is not located in a Preliminary Firm or an Advisory Base Flood Elevation special flood hazard area. The project is in compliance with Executive Order 11988. See attached Flood 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 June 19, 2023, by SOI-qualified archaeologist. Based on this definition and the nature and scope of the undertaking, the APE has been defined as the area potentially affected by ground-disturbing activities related to the new structure. Documentation with photographs and maps was subsequently submitted to SHPO (attached Appendix 1). In a response from PR SHPO dated August 17, 2023, SHPO concurred with a finding of No

		Historic Properties Affected within the project's Area of Potential Effects (see attached Appendix 1). The property is not considered historic or contributing to an historic district (See attached Historic map, Figure 10). Therefore, this activity is in compliance with historic preservation.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project consists of the installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco for an agricultural site. The project does not include new construction for residential use or rehabilitation of an existing residential property. The site is rural in nature and there will be no impact to or from the surrounding area from a noise perspective. This topic is in compliance with Noise Abatement and Control without further evaluation.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	There are no EPA sole source aquifers in Puerto Rico. The project is in compliance with Safe Drinking Water Act without further evaluation.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	There are no wetlands located on or near the project activity area. Therefore, the wetland will not be affected by the project undertaking. The project is in compliance with Executive Order 11990. See the attached Wetlands map, Figure 11.
Wild and Scenic Rivers	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not within proximity of the NWSRS river. The project is located 271,717 feet from the nearest Wild and Scenic River. The project is in compliance

Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)		with the Wild and Scenic Rivers Act. See Map, Figure 12.
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on the scope of work for this project, there will be no additional impact on low-income or minority residents. This proposed activity will not have a negative impact on Environmental Justice. Therefore, the proposed activity complies with this section.

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

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The proposed action is continued agricultural use of property which is compatible with a zoning code of A-4 (General Rural) and existing land use of SRC (Common Rustic Land). There is no urban design associated with this rural, agricultural site.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The soil is currently being used for agriculture purposes. Per the USGS/NRCS Web Soil Survey, the soil in the area has been classified as Lirios clay loam, 40 to 60 percent slopes, eroded (LcF2). This soil is deep, very steep, and well drained. It is on the side slopes and narrow ridgetops of uplands. Lirios soils formed in fine textured and moderately fine residuum from plutonic rocks. There is no change in land use since the land will continue to be used to agriculture purposes. The landslide data indicates moderate to high landslide susceptibility; however, no erosion is expected to occur from this project. The project will not affect the drainage in the area. There will be little to no additional runoff associated with the project. See Landslide Susceptibility Map, Figure 13.
Hazards and Nuisances including Site Safety and Noise	2	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.
Energy Consumption	2	The project consists of the installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco on an existing agricultural farm and will not require any expansion to existing power facilities. The power source will be provided by the new solar panels.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	The project will result in short-term benefit to employment when contractors are hired for the construction of the new storage structure and installation of the solar panels. 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 proposed project will not alter the demographic characteristics of Jayuya, PR. The applicant is already located at this location and the project will provide opportunities for the continuous agricultural growth of the business.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The project consists of the installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco for an agricultural site and will have no impact on educational and cultural facilities.
Commercial Facilities	2	The proposed project 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 installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel

		frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco for an agricultural site and will have no impact on Health Care and Social Services.
Solid Waste Disposal / Recycling	2	The proposed project 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 proposed project will have no impact on Wastewater Sanitary Sewers because the wastewater/sanitary sewer conditions of the project site are not changing. The activities of installing the storage she will not contribute any further wastewater or change the sanitary sewer conditions of the project site.
Water Supply	2	The proposed project will not require an additional water supply. The water needed for the structure will be provided from an existing P.R.A.S.A. water intake on the property and the water pipes will be placed above ground. The proposed project will have no impact on the water supply.
Public Safety - Police, Fire and Emergency Medical	2	The project of the installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco for an agricultural site and will have no impact on Public Safety.
Parks, Open Space and Recreation	2	The proposed project will have no impact to 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 installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco 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 proposed project will be situated on previous agriculture property and will have no impact to unique natural features or water resources.
Vegetation, Wildlife	2	The proposed project will occur on land previously used for agricultural purposes and will continue in that capacity. There may be wildlife attracted to the new storage structure but no negative impact on wildlife.
Climate Change	2	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.

Additional Studies Performed: Not applicable.

Field Inspection (Date and completed by): June 19, 2023, Jaqueline Lopez, SOI-Qualified Archaeologist

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

FAA, National Plan for Integrated Airport Systems:
www.faa.gov/airports/planning_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf

John H. Chafee Coastal Barrier Resources System, Puerto Rico map.
www.fws.gov/CBRA/Maps/Locator/PR.pdf

National Park Service, National Registry of Natural Landmarks.
www.nature.nps.gov/nnl/docs/NNLRegistry.pdf

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

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

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

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

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

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

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

US Fish and Wildlife Service, Environmental Conservation Online System: <https://ecos.fws.gov/ecp0/reports/species-listed-by-state-report?state=PR&status=listed>

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

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

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

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

Puerto Rico Coastal Zone Management Program Plan, September 2009.

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

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

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

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

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

List of Permits Obtained: None required.

Public Outreach [24 CFR 58.43]: Puerto Rico Department of Agriculture has worked closely with the agricultural community. This project includes a FONSI/NOI-RROF in compliance with NEPA regulations for HUD.

Cumulative Impact Analysis [24 CFR 58.32]: In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco 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 new storage structure and solar panels. 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. A provision of the grant allows for economic development for businesses and will allow the applicant to continue cultivating cocoa and have a safe structure to dry it and store it. The location for the placement of the new storage structure will be approximately 150 feet from the entrance to the property. The existing area for the proposed placements is used for agricultural purposes.

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

The 'No-Action' alternative would mean that the applicant would not receive federal funding to provide of the installation/construction of a new 10 x 20 galvanized steel structure, a 10 x 16 steel frame and the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for Choco for an agricultural site which would inhibit the economic growth opportunity that the applicant would not otherwise have under the PRDOH Re-Grow Puerto Rico program. As a result, these owners may not be able to experience the growth needed to recover and expand their agriculture activities. A provision of the grant allows for economic development for businesses. The No-Action alternative would not allow for the economic development for this applicant.

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

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

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

Law, Authority, or Factor	Mitigation Measure

Determination:

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

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

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

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

Preparer Signature:  Date: 9/5/2023

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

Certifying Officer Signature:  Date: October 10, 2023

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

Location: Aerial Map

Puerto Rico Department of Housing ReGrow

Application ID: PR-RGRW-01154
 Hacienda LeLolai
 Carr 144, Km 8 interior Bo. Coabey,
 Jayuya, PR 00664
 Catastro: 242-000-005-33
 Lat: See List Below, Lon: See List Below



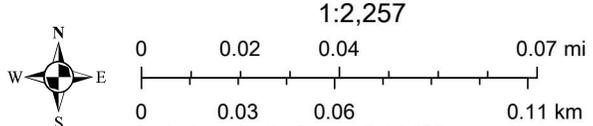
Solar Panels
 Lat= 18.210014
 Lon= -66.568048

Warehouse
 Lat= 18.209917,
 Lon= -66.568238



6/6/2023, 9:45:26 AM

- PARCELAS_CRIM
- PR-RGRW-01154 Parcel
- PR-RGRW-01154

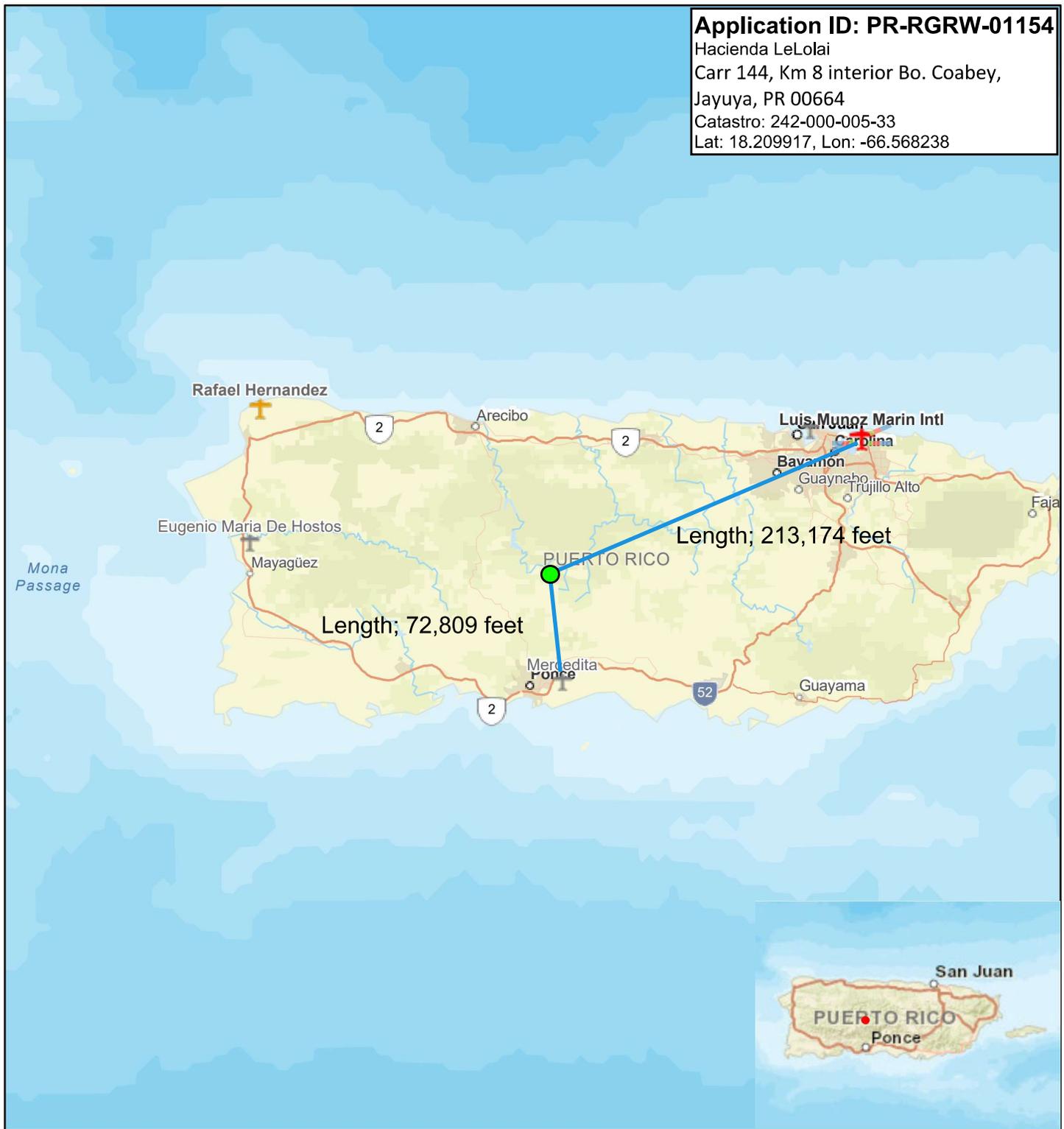


Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google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

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

Figure 2 PR-RGRW-01154 Airport

Application ID: PR-RGRW-01154
 Hacienda LeLolai
 Carr 144, Km 8 interior Bo. Coabey,
 Jayuya, PR 00664
 Catastro: 242-000-005-33
 Lat: 18.209917, Lon: -66.568238

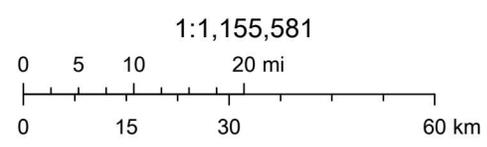


4/13/2023, 11:48:31 AM

Accident Potential Zone

- Override 1
- Override 2
- Override 3
- USA Military Airports
- USA Civil Airports

PR-RGRW-01154



Runway Protection Zones
Major Civil and Military Airports

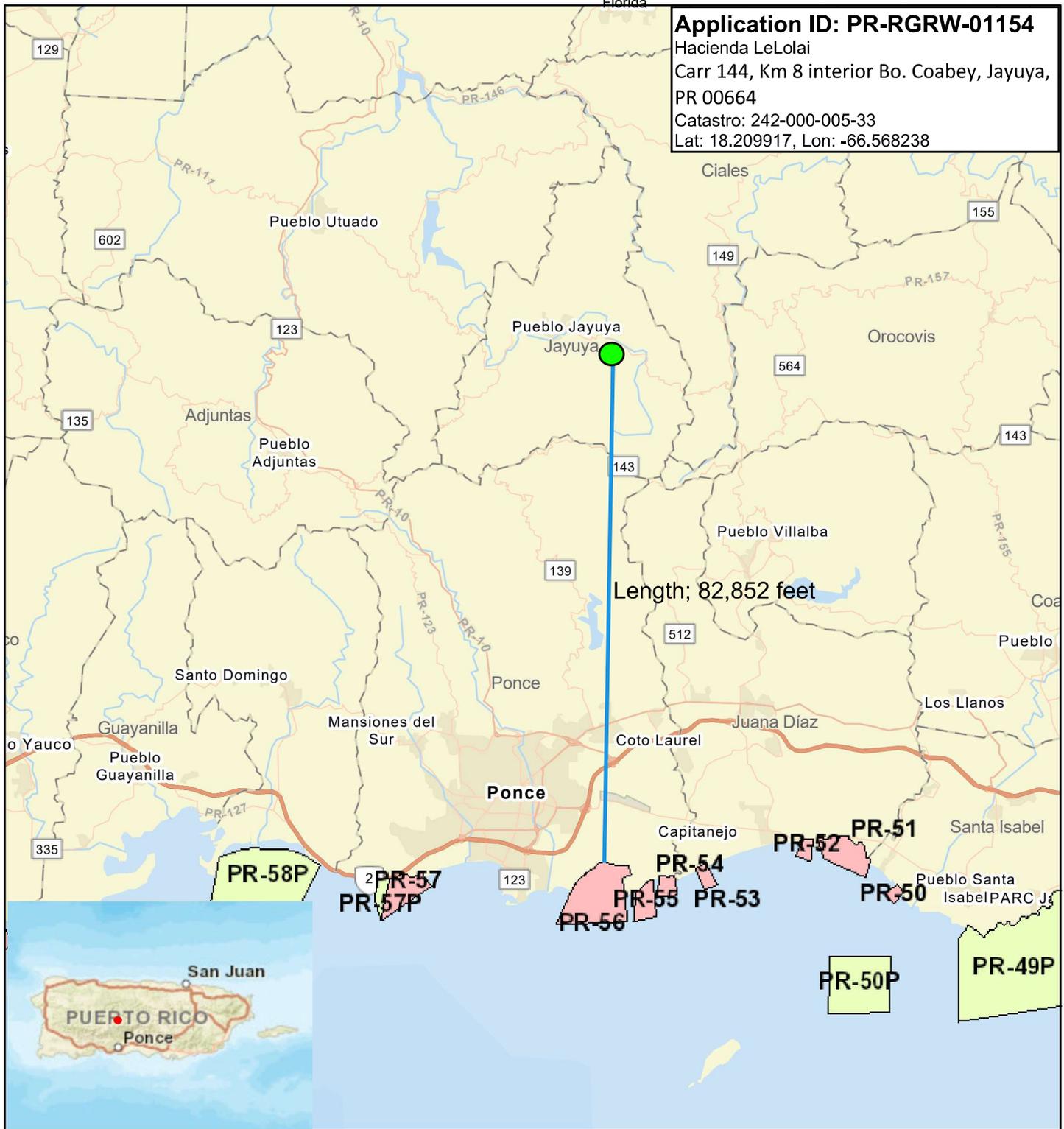
Source
 Federal Aviation Administration (FAA)
<https://adds-faa.opendata.arcgis.com/>



Figure 3

PR-RGRW-01154 CBRS

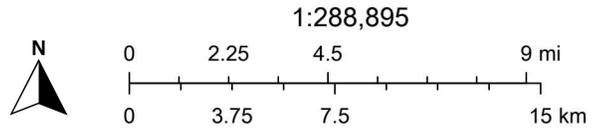
Cond. Iberia 1 Suite J-3, Calle Perseo 554, Altamira, San Juan, PR. 00920 Tel: (787)783-0290



4/13/2023, 11:57:17 AM

CBRS Units

- Otherwise Protected Area
- System Unit
- PR-RGRW-01154



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

National Flood Hazard Layer FIRMette Figure 4



66°34'24"W, 18°12'53"N

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

Legend

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS

- NO SCREEN
- Area of Minimal Flood Hazard Zone X
- Effective LOMR
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

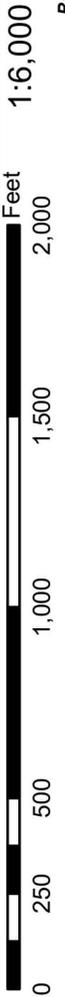
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/30/2023 at 12:03 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Application ID: PR-RGRW-01154
 Hacienda LeLolai
 Carr 144, Km 8 interior Bo. Coabey, Jayuya, PR 00664
 Catastro: 242-000-005-33
 Lat: 18.209917, Lon: -66.568238

BYA BEHAR-YBARRA & ASSOCIATES LLC
 CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
 Corol. Ballea 1 Buite #2, Calle Persepo 504, Altamira, San Juan, PR. 00960 Tel: (787) 953-0090



66°33'47"W, 18°12'19"N
 Basemap Imagery Source: USGS National Map 2023

Figure 4.1 PR-RGRW-01154 Flood Hazard



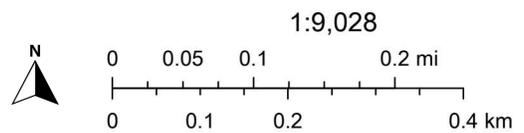
8/30/2023, 12:06:29 PM

FEMA_FIRM - FEMA_FLOOD_HAZARD_AREAS

 Special Flood Hazard Areas

 Other Areas

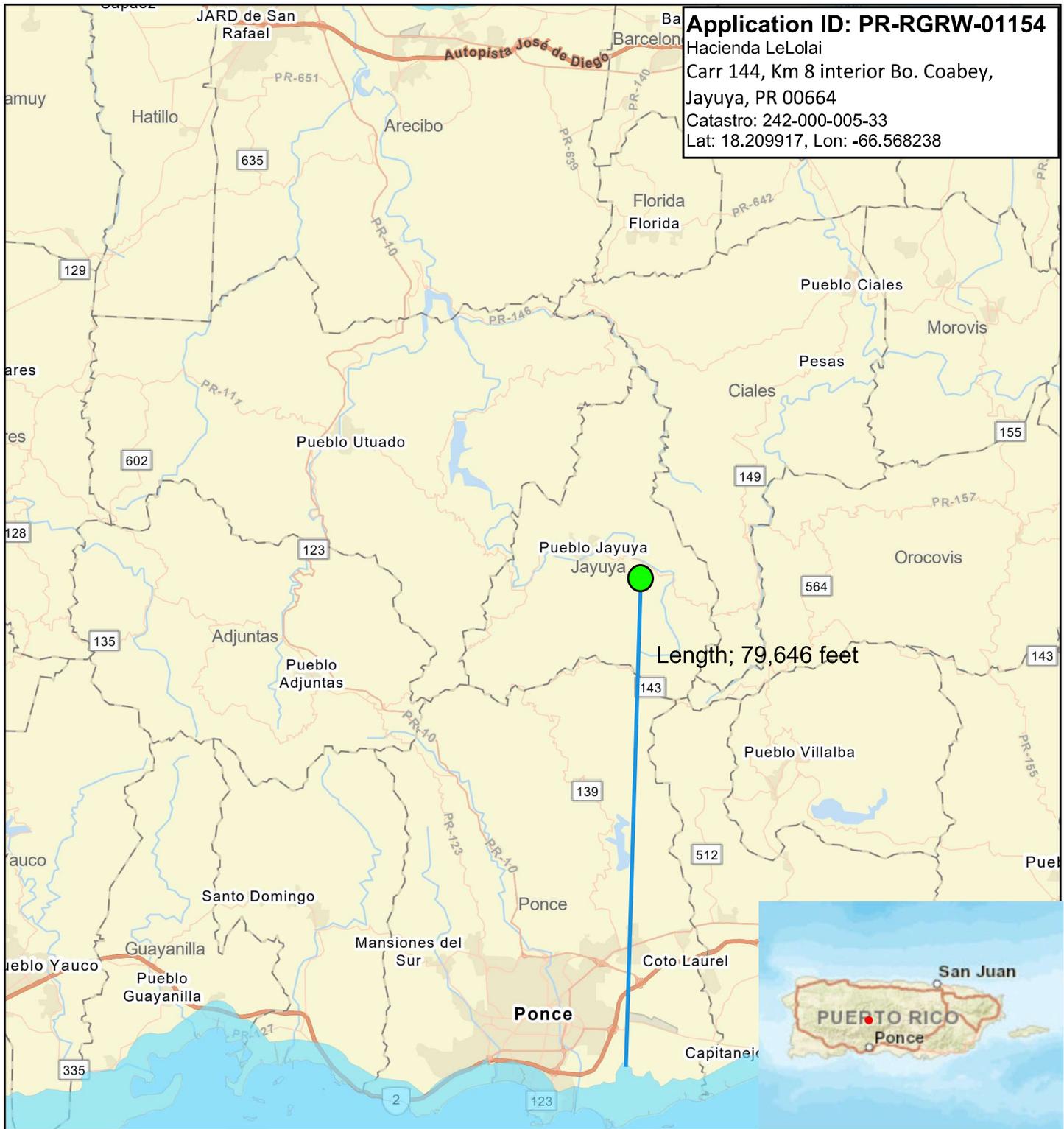
 PR-RGRW-01154



Source

Federal Emergency Management Agency (FEMA)
FEMA's National Flood Hazard Layer
<https://www.fema.gov/flood-maps/national-flood-hazard-layer>

PR-RGRW-01154 CZM



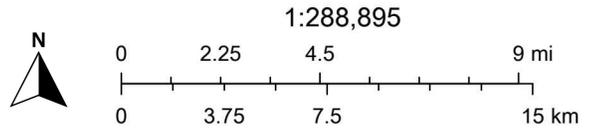
Application ID: PR-RGRW-01154
 Hacienda LeLolai
 Carr 144, Km 8 interior Bo. Coabey,
 Jayuya, PR 00664
 Catastro: 242-000-005-33
 Lat: 18.209917, Lon: -66.568238

Length; 79,646 feet

4/13/2023, 12:14:29 PM

 Coastal Zone Management Act Boundary

 PR-RGRW-01154



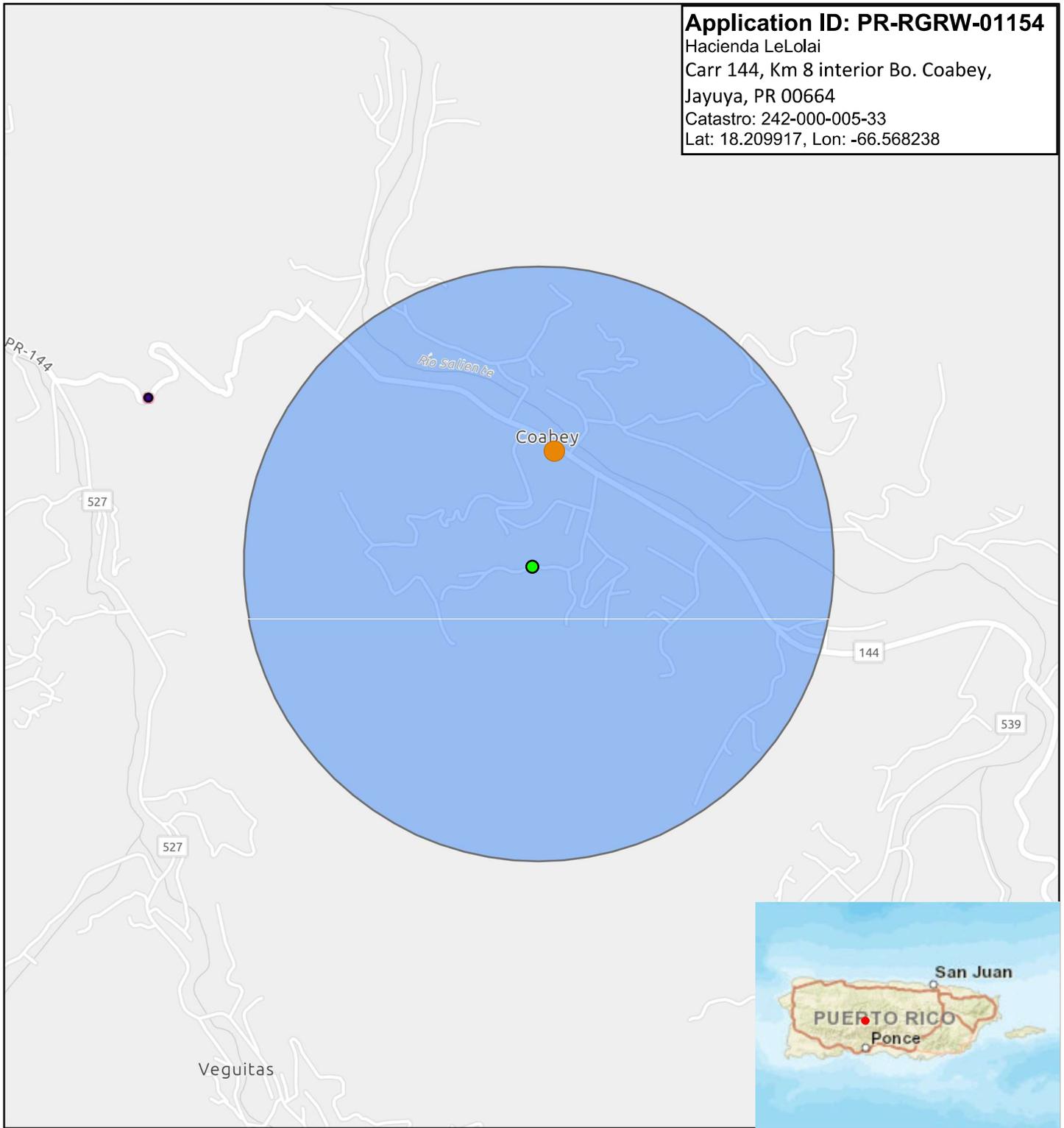
Source

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

Figure 6

PR-RGRW-01154 Toxic

Application ID: PR-RGRW-01154
Hacienda LeLolai
Carr 144, Km 8 interior Bo. Coabey,
Jayuya, PR 00664
Catastro: 242-000-005-33
Lat: 18.209917, Lon: -66.568238



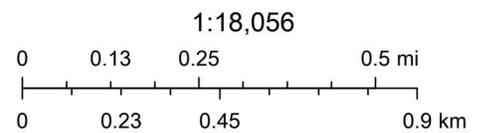
6/6/2023, 12:37:42 PM

 3,000ft Buffer

 FACILITY INTERESTS

 NPDES

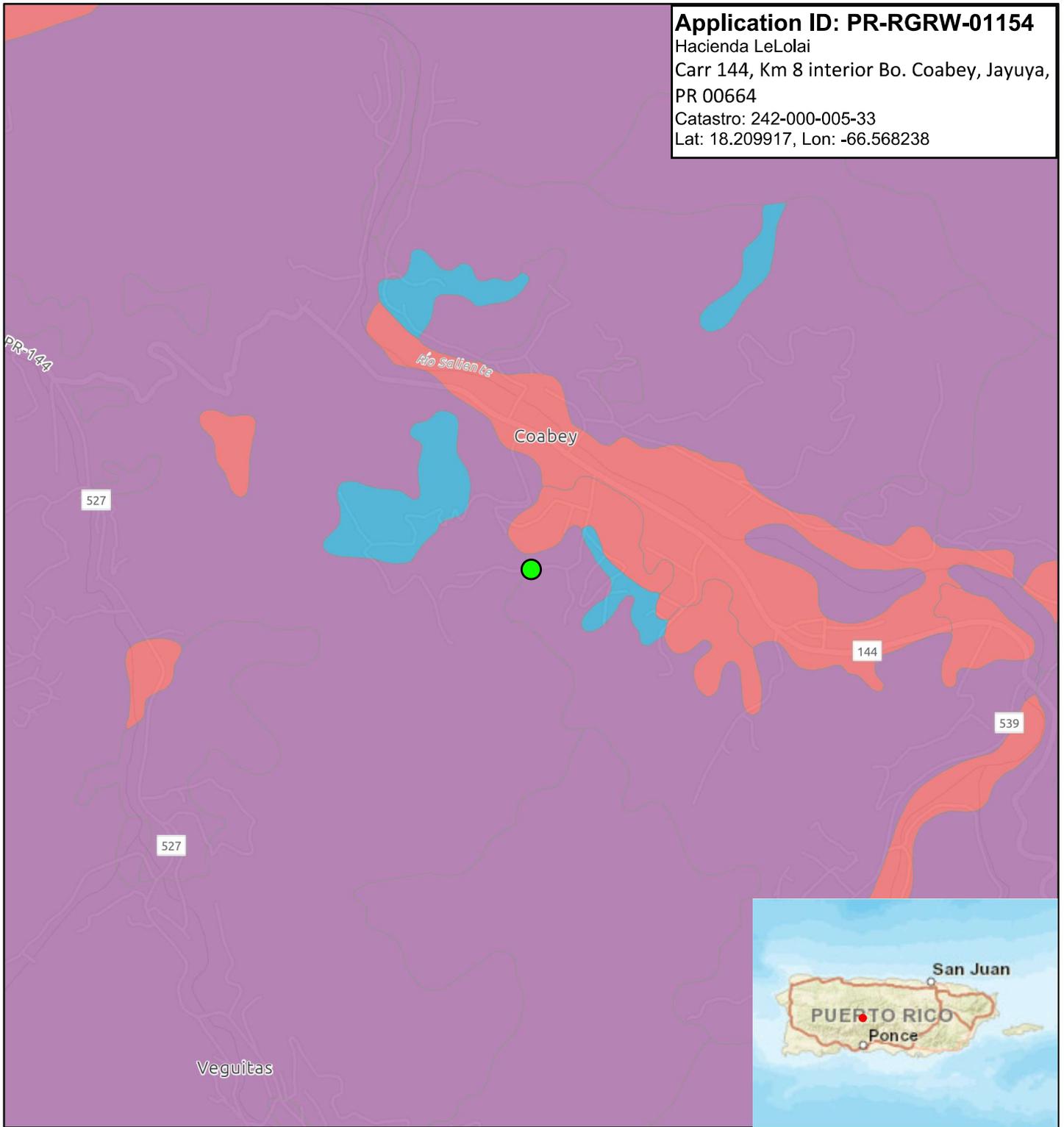
 PR-RGRW-01154



Source

U.S. Environmental Protection Agency (EPA)
Facility Registry Service (FRS)
<https://www.epa.gov/frs>

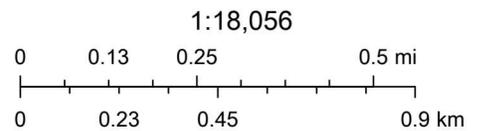
Application ID: PR-RGRW-01154
Hacienda LeLolai
Carr 144, Km 8 interior Bo. Coabey, Jayuya,
PR 00664
Catastro: 242-000-005-33
Lat: 18.209917, Lon: -66.568238



6/6/2023, 1:09:50 PM

Farmland Protection

- All areas are prime farmland
- Farmland of statewide importance
- Not prime farmland
- PR-RGRW-01154



Source

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

Figure 9

PR-RGRW-01154 ABFE

Application ID: PR-RGRW-01154
 Hacienda LeLolai
 Carr 144, Km 8 interior Bo. Coabey,
 Jayuya, PR 00664
 Catastro: 242-000-005-33
 Lat: 18.209917, Lon: -66.568238



6/6/2023, 1:21:07 PM

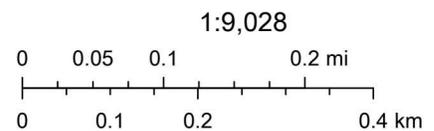
Flood Hazard Zone

- A
- X 0.2% Annual Chance Flood
- Zone/BFE Boundary

Flood Hazard Extent

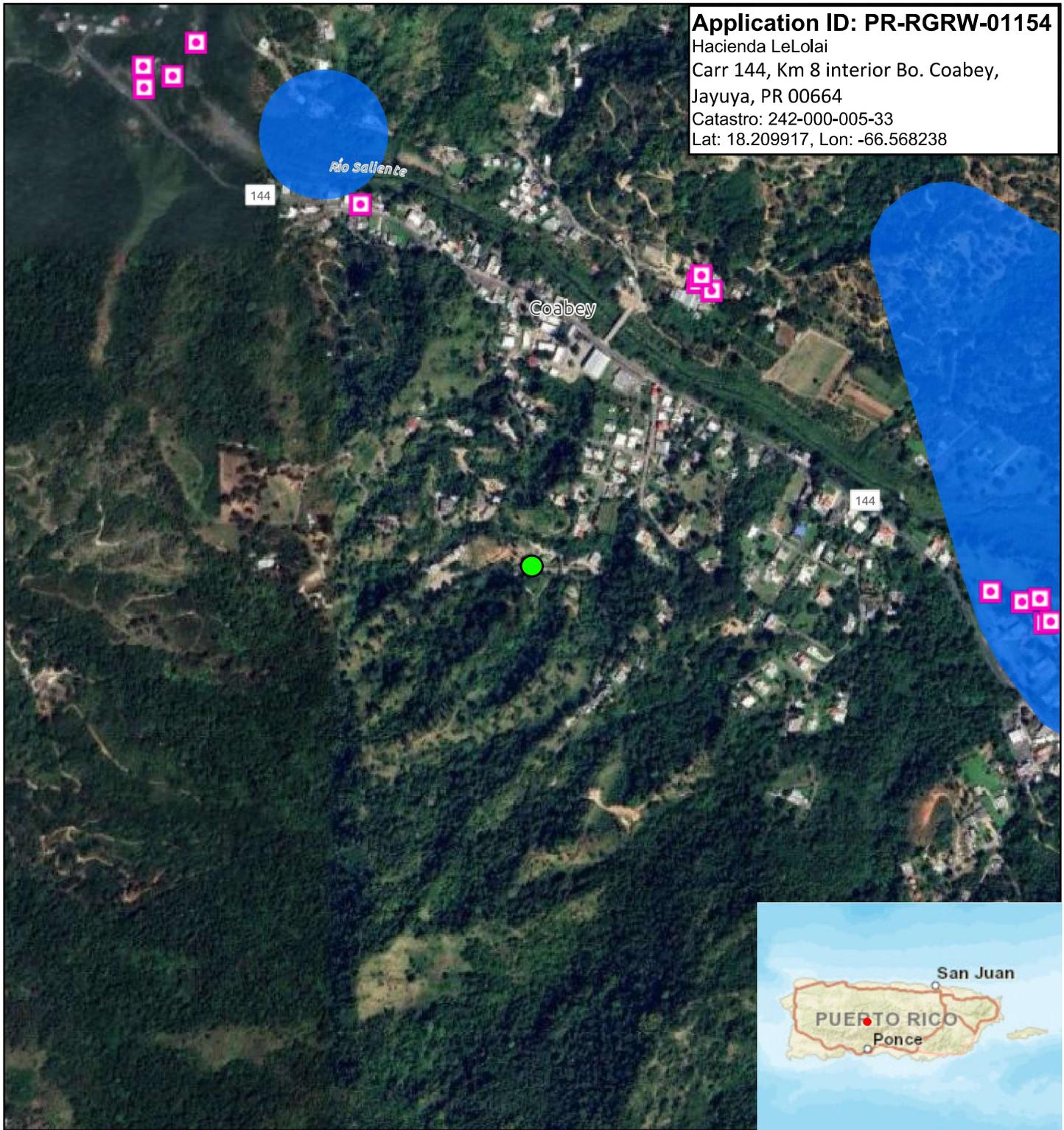
- 1% Annual Chance Flood
- 0.2% Annual Chance Flood

● PR-RGRW-01154



Source

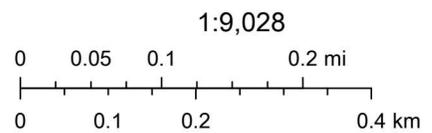
Federal Emergency Management Agency (FEMA)
 FEMA's National Flood Hazard Layer
<https://www.fema.gov/flood-maps/national-flood-hazard-layer>



Application ID: PR-RGRW-01154
 Hacienda LeLolai
 Carr 144, Km 8 interior Bo. Coabey,
 Jayuya, PR 00664
 Catastro: 242-000-005-33
 Lat: 18.209917, Lon: -66.568238

6/6/2023, 1:31:18 PM

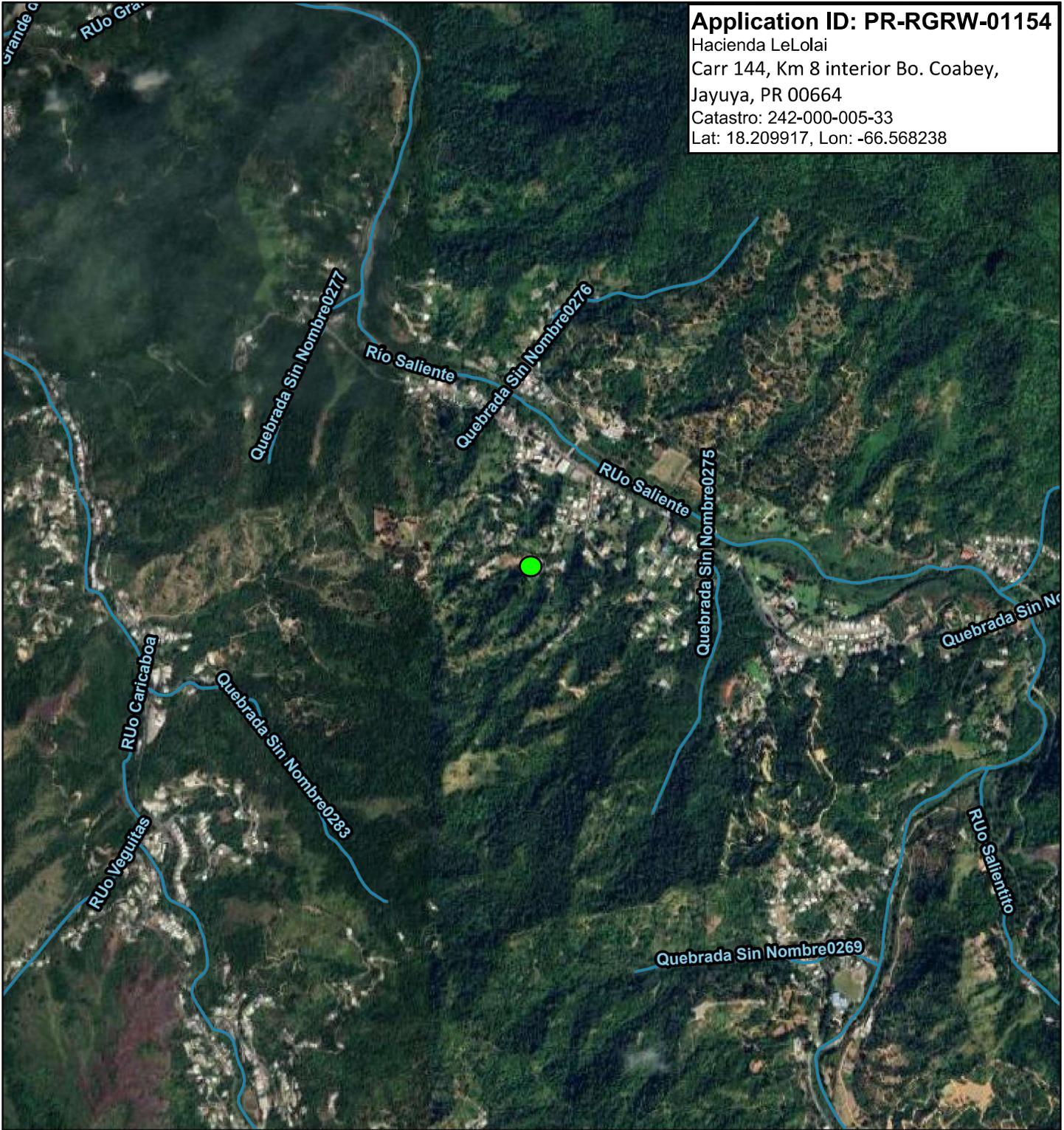
-  Cultural_Resources - Cultural Value Places
-  Cultural_Resources - Archeological Resources
-  PR-RGRW-01154



Source

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

PR-RGRW-01154 Wetlands

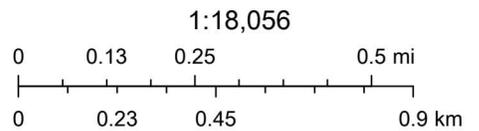


Application ID: PR-RGRW-01154
 Hacienda LeLolai
 Carr 144, Km 8 interior Bo. Coabey,
 Jayuya, PR 00664
 Catastro: 242-000-005-33
 Lat: 18.209917, Lon: -66.568238

6/27/2023, 9:21:22 AM

WETLANDS - National Wetlands Inventory

- Riverine
- Hidrografia - Oficina Plan de Agua
- PR-RGRW-01154



Source

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

Figure 12

PR-RGRW-01154 Wild and Scenic River

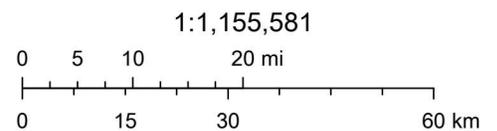
Application ID: PR-RGRW-01154
Hacienda LeLolai
Carr 144, Km 8 interior Bo. Coabey,
Jayuya, PR 00664
Catastro: 242-000-005-33
Lat: 18.209917, Lon: -66.568238



4/14/2023, 11:22:32 AM

— National Wild and Scenic River Line

● PR-RGRW-01154



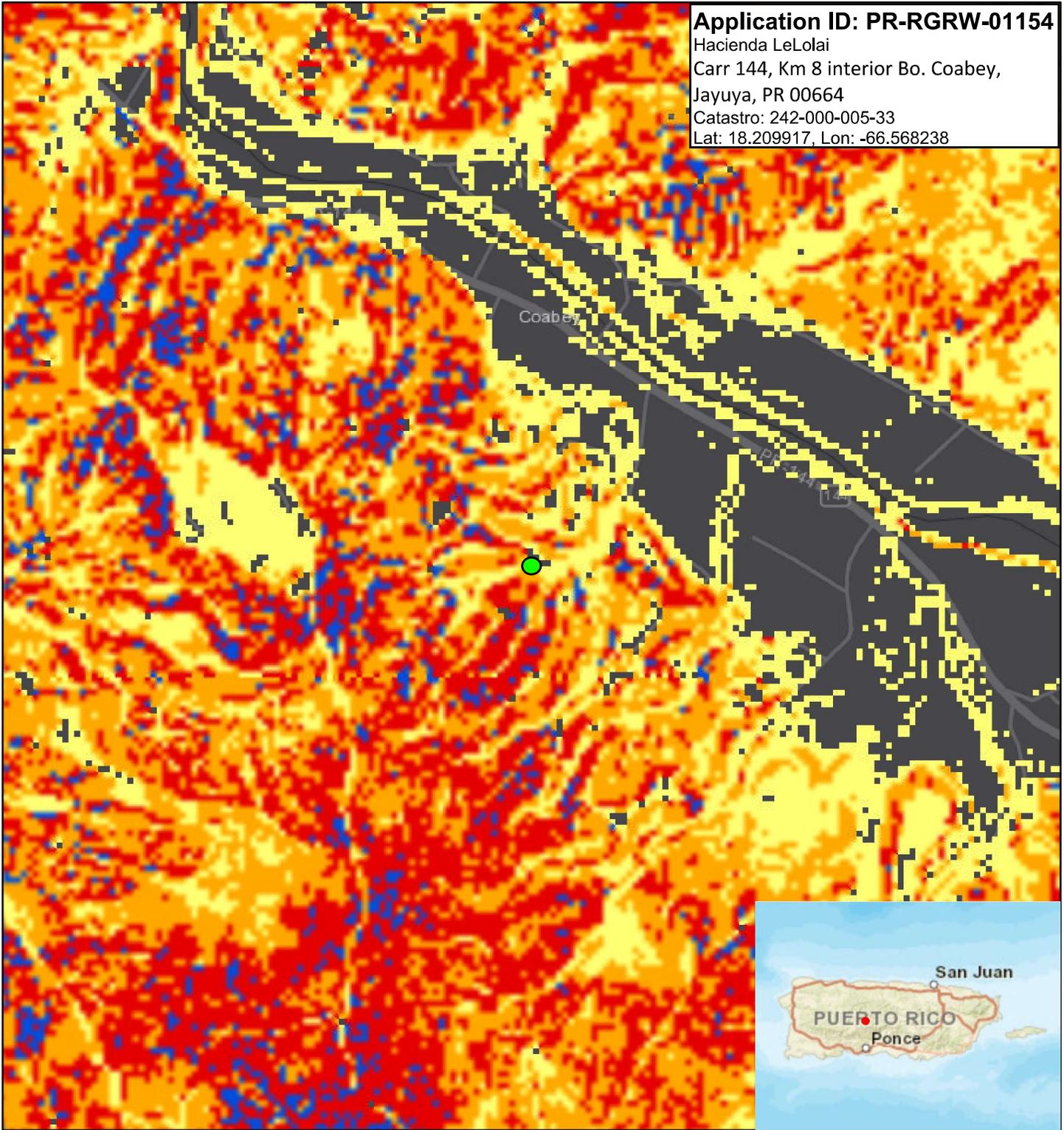
Source

U.S. Fish and Wildlife Service (FWS)
National Wild and Scenic Rivers System
<https://www.rivers.gov/mapping-gls.php>

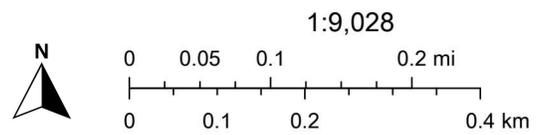
Figure 13 Landslide

Cond. Iberia 1 Suite J-3, Calle Perseo 554, Altamira, San Juan, PR. 00920 Tel: (787) 753-0290

Application ID: PR-RGRW-01154
Hacienda LeLolai
Carr 144, Km 8 interior Bo. Coabey,
Jayuya, PR 00664
Catastro: 242-000-005-33
Lat: 18.209917, Lon: -66.568238



6/6/2023, 4:12:27 PM



Source: Landslide data from USGS:
Esri Imagery Basemap service.

Appendix 1



GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE

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

August 17, 2023

Lauren Bair Poche

HORNE
10000 Perkins Rowe, Suite 610, Bldg G
Baton Rouge, LA 70810

SHPO 08-11-23-03 SECTION 106 NHPA EFFECT DETERMINATION SUBMITTAL:
PR-RGRW-01154- HACIENDA LELOLAI, LLC – CARR. 144, KM 8 INTERIOR, BO.
COABEY, JAYUYA, PUERTO RICO

Dear Ms. Bair,

Our Office has received and reviewed the above referenced project in accordance with 54 U.S.C. 306108 (commonly known as Section 106 of the *National Historic Preservation Act*) and 36 CFR Part 800: *Protection of Historic Properties*.

Our records support your finding of no historic properties affected for this undertaking.

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

Sincerely,

Carlos A. Rubio-Cancela
State Historic Preservation Officer

CARC/GMO/MB



August 11, 2023

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

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

Section 106 NHPA Effect Determination Submittal: PR-RGRW-01154 –Hacienda LeLoLai, LLC – Carr 144 Km 8 interior, Bo. Coabey, Jayuya, Puerto Rico – No Historic Properties Affected

Dear Architect Rubio Cancela,

In accordance with Section 106 of the National Historic Preservation Act and its implementing regulations, 36 CFR Part 800, HORNE is providing information for your review and requesting your concurrence regarding the above-referenced projects on behalf of the Puerto Rico Department of Housing (PRDOH) and the Home Repair, Reconstruction, or Relocation (R3) Program. On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (Housing) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents.

On behalf of PRDOH and the subrecipient, the Puerto Rico Department of Agriculture, we are submitting documentation for activities proposed by Hacienda LeLoLai, LLC at the property located at Carr 144 Km 8 interior in Bo. Coabey in the municipality of Jayuya. The proposed activities consist of the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for choco. The solar panels will be installed on top of an existing galvalume container. A new transfer switch will be installed for the solar panels. No ground disturbance will be needed for the solar panel installation. The project includes a new 10 x 20 galvanized steel structure (cocoa drier) with gabled roof in Galvalum G-24 and sides in mesh steel. Adjacent to the structure, a 10 x 16 steel frame will be installed to be covered with plastic as a roof. The installation of the structure will require ground disturbance since it will be installed on a concrete slab. The water needed for the structure will be provided from an existing P.R.A.S.A. water intake on the property and the water pipes will be placed above ground. The power needed for the operation of the structure will be provided from an existing P.R.E.P.A./LUMA power outlet on the property. No other equipment to be purchased will require ground disturbance.

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

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

Kindest regards,



Lauren Bair Poche, M.A.

Architectural Historian, Historic Preservation Senior Manager
Attachments

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		
Applicant: Hacienda LeLolai, LLC		
Case ID: PR-RGRW-01154		City: Jayuya
Project Location: Carr 144 Km 8 interior, Bo. Coabey		
Project Coordinates: 18.210014 -66.568048, 18.209917 -66.568238		
TPID (Número de Catastro): 242-000-005-33-000		
Type of Undertaking: <input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction		
Construction Date (AH est.): n/a		Property Size (acres): 8.0
SOI-Qualified Archaeologist: Jaqueline López Meléndez		
Date Reviewed: June 19, 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-01154, consist of the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for choco. The solar panels will be installed on top of an existing galvalume container. A new transfer switch will be installed for the solar panels. No ground disturbance will be needed for the solar panel installation. The project includes a new 10 x 20 galvanized steel structure (cocoa drier) with gabled roof in Galvalum G-24 and sides in mesh steel. Adjacent to the structure, a 10 x 16 steel frame will be installed to be covered with plastic as a roof. The installation of the structure will require ground disturbance since it will be installed on a concrete slab. The water needed for the structure will be provided from an existing P.R.A.S.A. water intake on the property and the water pipes will be placed above ground. The power needed for the operation of the structure will be provided from an existing P.R.E.P.A./LUMA power outlet on the property. No other equipment to be purchased will require ground disturbance.

The project area is located at PR-144 km. 8 Int within the Municipality of Jayuya. Based on a review of historical aerial imagery, the general area has been used for agricultural purposes for the past 7 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

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: Hacienda LeLolai, LLC	
Case ID: PR-RGRW-01154	City: Jayuya

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

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that there are nine (9) reported archaeological site within a half-mile (0.50 miles) radius of the project location. These are as follows: Tres LLL (SHPO: JY0100018), located 0.48 miles east; Piedra de Atienzo (SHPO: JY0100011), located 0.47 miles northeast; Hacienda de don Rosario Canales (SHPO: JY0200017), located 0.50 miles southeast; Cedetra (ICP: JY-41), located 0.46 miles southeast; Coabey (ICP: JY-42), located 0.41 miles northwest; Hacienda Mattei (ICP: JY-44) located 0.50 miles northwest; Petroglifo Coabey IV (SHPO: JY0100015), located 0.47 miles northwest; Hacienda El Fénix (SHPO: JY0200027), located 0.35 miles southeast and Hacienda San Pedro (SHPO: JY0200032), located 0.29 miles northeast (see table). The proposed project is located in Jayuya, at an elevation of 1772 feet above sea level. Per the USGS/NRCS Web Soil Survey, the project area is located within mapped soil series:Lirios. The project area APE is in LcF2. The closest freshwater source is Saliente River, located 0.23 miles northeast and unnamed creek, located 0.35 miles east from the project area. The south coast is approximately 15.99 miles southeast from the project area.

There are five (5) archaeological studies within a 0.50-miles radius of the proposed project area, one of them with positive results (see table). Pantel (1984) conducted a phase IA-IB for the Cedetra project where he reported the Pre-Columbian site YB0100018, located 0.46 miles southeast.

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 June 16, 2023, we visually inspected the project area. The property has a hilly topography and visibility despite the vegetation is good. The soil in the area has been classified as Lirios clay loam, 40 to 60 percent slopes, eroded (LcF2). This soil is deep, very steep, and well drained. It is on the side slopes and narrow ridgetops of uplands. Lirios soils formed in fine textured and moderately fine residuum from plutonic rocks.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGRW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Hacienda LeLoLai, LLC	
Case ID: PR-RGRW-01154	City: Jayuya

Determination

No historic properties were identified within the APE.

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 known archaeological sites within the parcel on which the Area of Potential Effect Case PR-RGRW-01154 is located. There are nine known archaeological sites within a half-mile radius of the proposed project location. These are five Pre-Columbian and four historic sites located between approximately 0.29 miles to 0.50 miles. These within the 0.50-mile radius will not be affected by the work to be performed on this project. The closest freshwater body is approximately 0.23 miles northeast of the project area. The construction of public roads and agricultural infrastructure has minimally impacted the surrounding terrain. Therefore, no impact to cultural properties is anticipated for this reconstruction project.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	
Applicant: Hacienda LeLolai, LLC	
Case ID: PR-RGRW-01154	City: Jayuya

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): To have the gate installed outside the ROW of the train alignment.
- 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: Hacienda LeLolai, LLC		
Case ID: PR-RGRW-01154	City: Jayuya	

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)
Tres LLL	JY0100018	JY-18	0.48 mi E	Pre-Columbian site, Petroglyph, Ostiones ceramic	No data
Piedra de Atienzo	JY0100011	JY-11	0.47 mi NE	Pre-Columbian site, Petroglyph	No data
Hacienda de don Rosario Canales	JY0200017	JY-40	0.50 mi SE	19th and 20 th Century hacienda	No data
Cedetra		JY-41	0.46 mi SE	Pre-Columbian site	No data
Coabey		JY-42	0.41 mi NW	Pre-Columbian site, Petroglyph	No data
Hacienda M Mattei		JY-44	0.50 mi NW	Historic hacienda	No data
Petroglifo Coabey IV	JY0100015		0.47 mi NW	Pre-Columbian site, Petroglyph, Ostiones ceramic	No data
Hacienda El Fénix	JY0200027		0.35 mi SE	19th and 20th Century Hacienda	No data
Hacienda San Pedro	JY0200032		0.29 mi NE	19 th and 20 th century Hacienda	No data

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		
Applicant: Hacienda LeLoLai, LLC		
Case ID: PR-RGRW-01154		City: Jayuya

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
Juan González	IA-IB/ Sistema de Alcantarillado	2009	ICP/CAT-JY-09-03-06	Negative	0.22 mi NE
Agamemnon Gus Pantel	IA-IB/ Cedetra Project	1984	ICP/CAT-JY-84-04-02	Positive. Pre-Columbian site (JY0100018)	0.27 mi NE
Iván Méndez	IA-IB/ Piedra Escrita Carr PR-144, Km 7.3 Cons.	2002	ICP/CAT-JY-02-02-02	Negative	0.42 mi NW
Ivor Hernández	I/ Sistema de Alcantarillado Sanitario	2013	SHPO: 11-20-03-02	Negative	0.31 mi NE
Juan González	IA-IB/ Facilidat de telecomunicaciones	2015	ICP/CAT-JY-15-04-04	Negative	0.39 mi NE

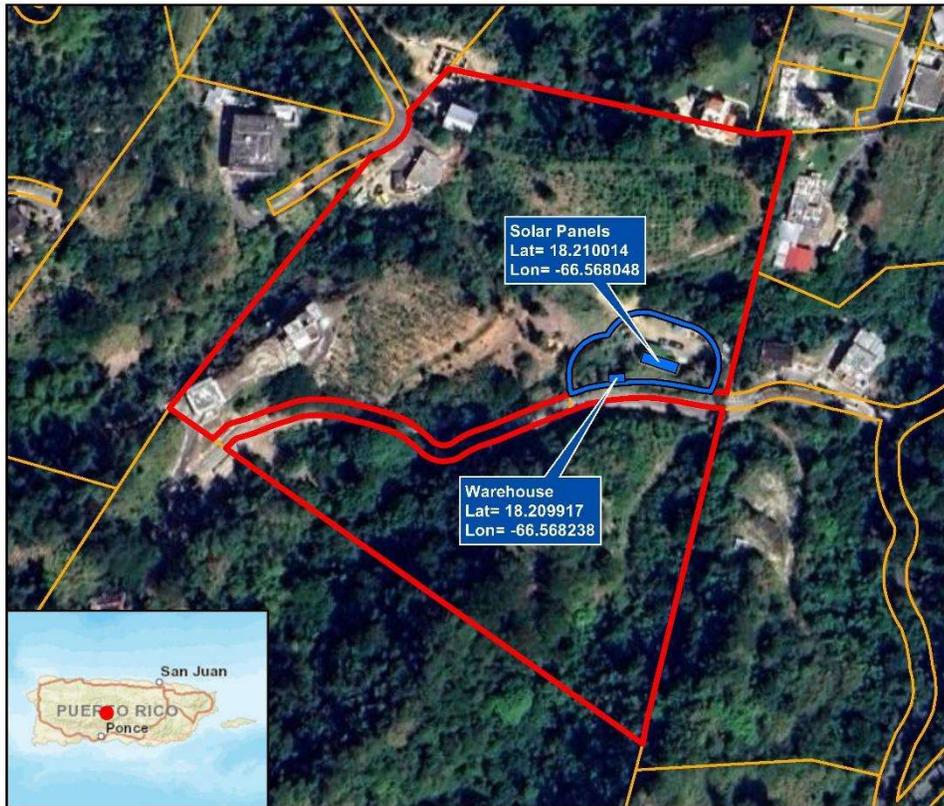
Project (PR-RGRW-01154) Location – Area of Potential Effect Map (Aerial)

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Carreras 1 Surte, J-3, Calle Ponce 354, Aterro, San Juan, PR, 00920 Tel: (787) 993-8293

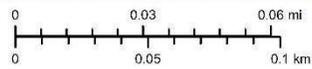
Application ID: PR-RGRW-01154

Hacienda LeLoLai, LLC
Carr 144, Km 8 interior
Bo. Coabey,
Jayuya, PR 00664
Catastro: 242-000-005-33-000
Lat: See List Below, Lon: See List Below

Area of Potential Effect Puerto Rico Department of Housing ReGrow



- Legend**
- PR-RGRW-01154 Applicant Structure
 - Area of Potential Effect
 - PR-RGRW-01154 Parcel
 - CRIM Parcels



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, Incentiv P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), Swisstopo, © 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/>

Project (PR-RGRW-01154) Location - Aerial Map

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
©2002, Behar, 1 Suite J-5, Calle Ponce 554, Anapimá, San Juan, PR, 00950 Tel: (787)709-0592

Application ID: PR-RGRW-01154

Hacienda LeLoLai, LLC

Carr 144, Km 8 interior

Bo. Coabey,

Jayuya, PR 00664

Catastro: 242-000-005-33-000

Lat: See List Below, Lon: See List Below

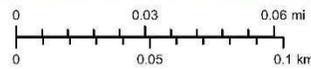
Location: Aerial Map

Puerto Rico Department of Housing ReGrow



Legend

- PR-RGRW-01154
- PR-RGRW-01154 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: Hacienda LeLoLai, LLC

Case ID: PR-RGRW-01154

City: Jayuya

Project (PR-RGRW-01154) Location - USGS Topographic Map

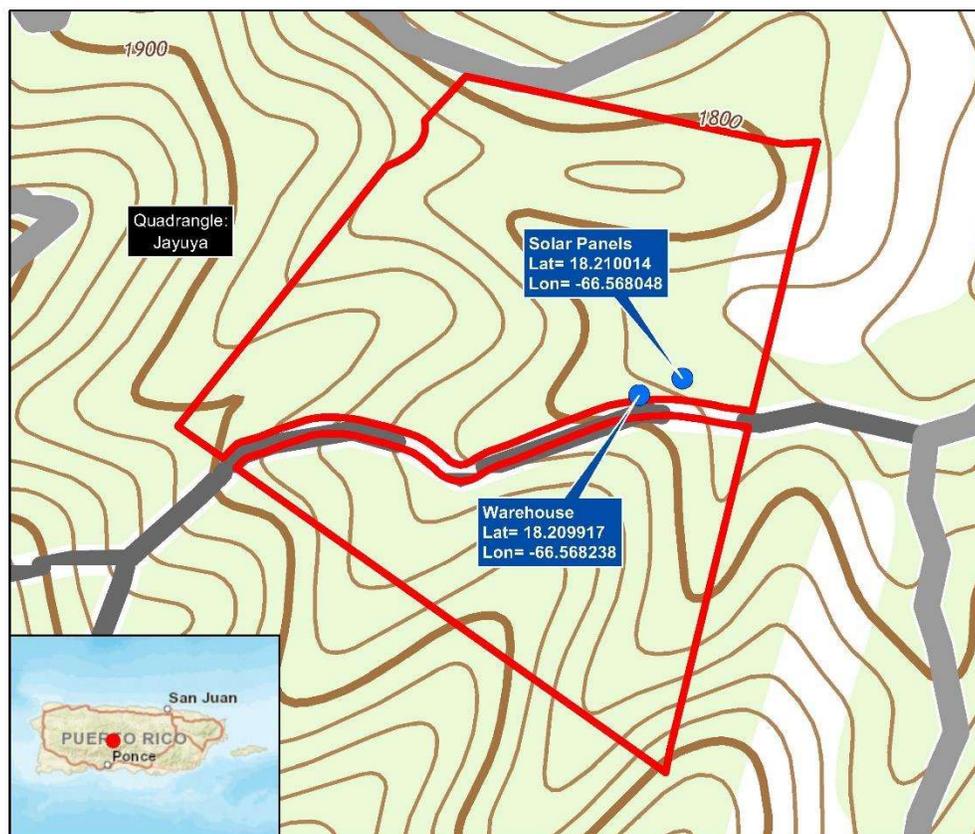
BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Carretera 1 Suite J-3, Calle Ponce 554, Arroyo, San Juan, PR, 00962 Tel: (787) 763-0260

Application ID: PR-RGRW-01154

Hacienda LeLoLai, LLC
Carr 144, Km 8 interior
Bo. Coabey,
Jayuya, PR 00664
Catastro: 242-000-005-33-000
Lat: See List Below, Lon: See List Below

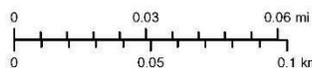
Location: USGS Topographic Map

Puerto Rico Department of Housing ReGrow



Legend

- PR-RGRW-01154
- PR-RGRW-01154 Parcel
- Contour Interval 20 Feet



Service Layer Credits: Sources: Esri, HERE, DeLorme, USGS, Intermap, Incentiv 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

Project (PR-RGRW-01154) Location – Soils Map

BYA BEHAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Corporación Interrelacionada de Ingenieros, Arquitectos y Planificadores, P.R. 00902 Tel: (787) 793-0203

Application ID: PR-RGRW-01154

Hacienda LeLoLai, LLC

Carr 144, Km 8 interior

Bo. Coabey,

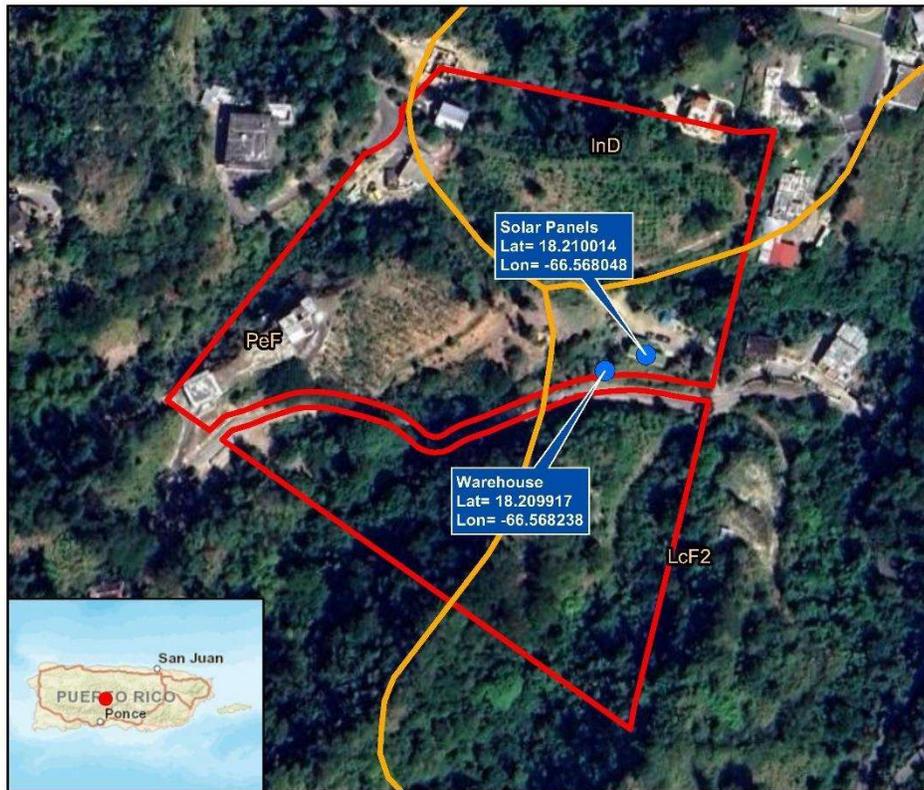
Jayuya, PR 00664

Catastro: 242-000-005-33-000

Lat: See List Below, Lon: See List Below

Soils Map

Puerto Rico Department of Housing ReGrow

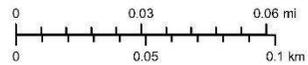


Legend

- PR-RGRW-01154
- PR-RGRW-01154 Parcel
- Soil Map Unit Symbol

Soil Map Unit Symbol

- InD - Ingenio clay loam, 5 to 20 percent slopes
- LcF2 - Lirios clay loam, 40 to 60 percent slopes, eroded
- PeF - Pellejas clay loam, 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: Hacienda LeLoLai, LLC

Case ID: PR-RGRW-01154

City: Jayuya

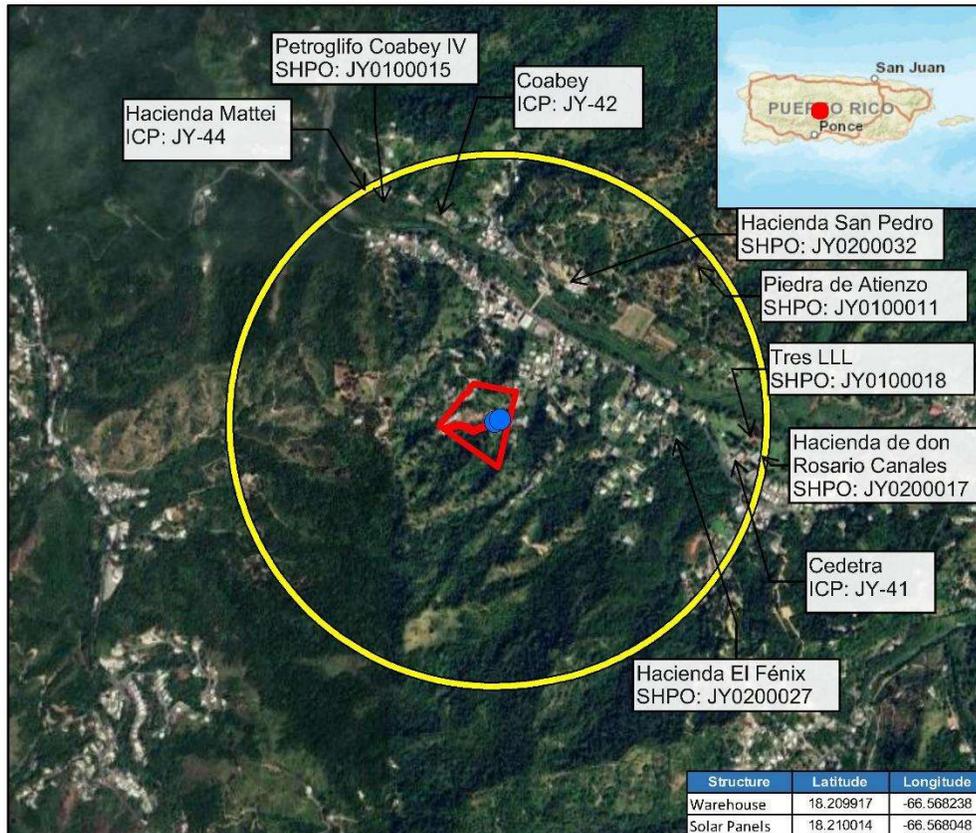
Project (PR-RGRW-01154) Location with Previous Investigations - Aerial Map



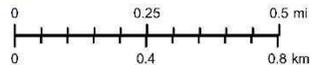
Application ID: PR-RGRW-01154

Hacienda LeLoLai, LLC
 Carr 144, Km 8 interior
 Bo. Coabey,
 Jayuya, PR 00664
 Catastro: 242-000-005-33-000
 Lat: See List Below, Lon: See List Below

Previous Investigations: Aerial Map
 Puerto Rico Department of Housing ReGrow



- Legend**
- PR-RGRW-01154
 - PR-RGRW-01154 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), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community and Google Earth

Source

Project (PR-RGRW-01154) Location with Previous Investigations - Topographic Map

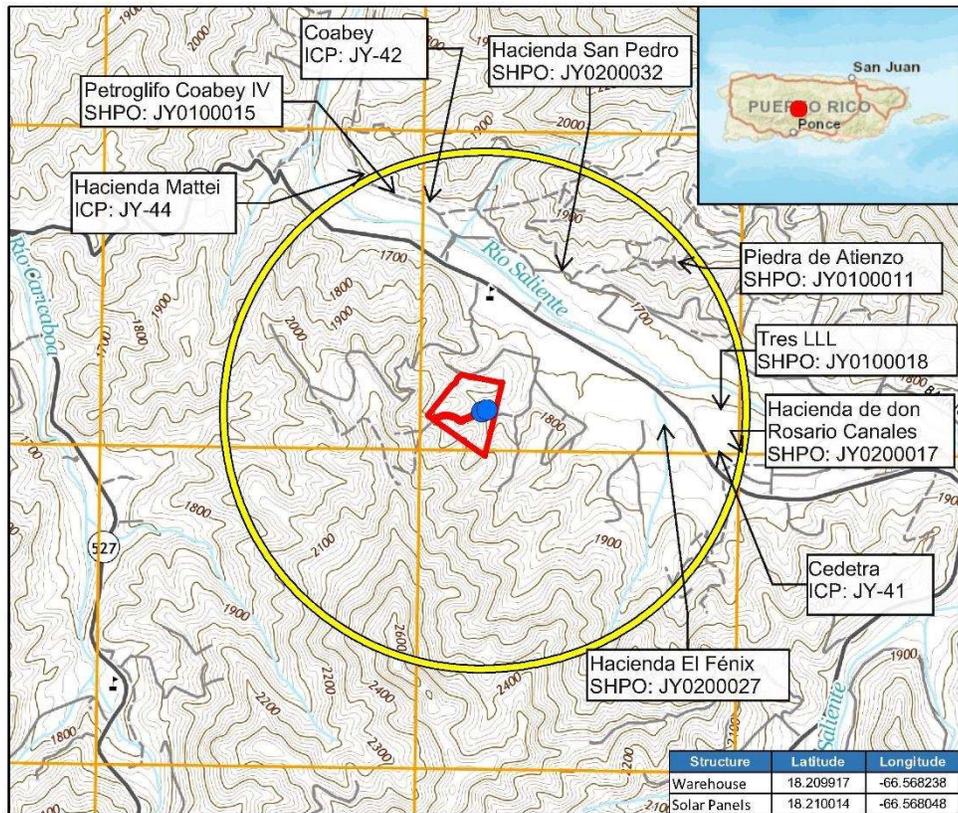
BYA BEHAR-YBARRA & ASSOCIATES LLC
 CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Client: Iberia 1 Suite J-5, Calle Ponce 554, Araruca, San Juan, PR. 00920 Tel: (787) 753-0200

Application ID: PR-RGRW-01154

Hacienda LeLoLai, LLC
 Carr 144, Km 8 interior
 Bo. Coabey,
 Jayuya, PR 00664
 Catastro: 242-000-005-33-000
 Lat: See List Below, Lon: See List Below

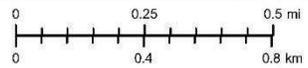
Previous Investigations: USGS Topographic Map

Puerto Rico Department of Housing ReGrow



Structure	Latitude	Longitude
Warehouse	18.209917	-66.568238
Solar Panels	18.210014	-66.568048

- Legend**
- PR-RGRW-01154
 - PR-RGRW-01154 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), 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

Photograph Key

BYA BEJAR-YBARRA & ASSOCIATES LLC
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS
Corporación, Número 1, Calle J-13, Calle Perseus 554, Alifanque, San Juan, P.R. 00909 Tel: (787) 765-0200

Application ID: PR-RGRW-01154

Hacienda LeLoLai, LLC

Carr 144, Km 8 interior

Bo. Coabey,

Jayuya, PR 00664

Catastro: 242-000-005-33-000

Lat: See List Below, Lon: See List Below

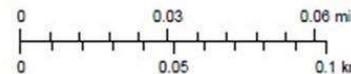
Location: Aerial Map

Puerto Rico Department of Housing ReGrow



Legend

- PR-RGRW-01154
- PR-RGRW-01154 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

Applicant: Hacienda LeLolai, LLC

Case ID: PR-RGRW-01154

City: Jayuya



Photo #: 1

Description (include direction): Area where the warehouse will be installed, looking west.

Date: June 16, 2023



Photo #: 2

Description (include direction): Area where the solar panels will be installed, looking northeast.

Date: June 16, 2023



October 20, 2022

Arch. Carlos A. Rubio Cancela

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

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

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

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

Cordially,

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT

Appendix 2



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

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

Important Notes

Appendix 3

Detailed Facility Report



Detailed Facility Report

Facility Summary

COABEY WARD SANITARY SEWER SYSTEM - PHASE II

CARRTEREA PR-144 BO COABEY KM- 6.0 A KM 10.2, JAYUYA, PR
00664

FRS (Facility Registry Service) ID: 110071402205

EPA Region: 02

Latitude: 18.2134

Longitude: -66.5678

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Minor, Permit Effective (PRR1000GY)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

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

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110071402205					N	18.2134	-66.5678
ICIS-NPDES	CWA	PRR1000GY	Minor: General Permit Covered Facility	Effective	Construction Stormwater	02/16/2027	N	18.2134	-66.5678

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110071402205	COABEY WARD SANITARY SEWER SYSTEM - PHASE II	CARRTEREA PR-144 BO COABEY KM- 6.0 A KM 10.2, JAYUYA, PR 00664	
ICIS-NPDES	CWA	PRR1000GY	COABEY WARD SANITARY SEWER SYSTEM - PHASE II	CARRTEREA PR-144 BO COABEY KM- 6.0 A KM 10.2, JAYUYA, PR 00664	

Facility SIC (Standard Industrial Classification) Codes

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

No data records returned

Facility NAICS (North American Industry Classification System) Codes

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

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
------------	----------------------------------	--------------------------------

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

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

No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
<i>CWA</i>	<i>PRR1000GY</i>	No	03/31/2023	0	06/23/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant /Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
<i>CWA</i>	<i>(Source ID: PRR1000GY)</i>	04/01-06 /30/20	07/01-09 /30/20	10/01-12 /31/20	01/01-03 /31/21	04/01-06 /30/21	07/01-09 /30/21	10/01-12 /31/21	01/01-03 /31/22	04/01-06 /30/22	07/01-09 /30/22	10/01-12 /31/22	01/01-03 /31/23	04/01-06 /23/23
	Facility-Level Status	No Violation Identified	Undetermined											
	Quarterly Noncompliance Report History													

Informal Enforcement Actions Last 5 Years

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

No data records returned

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

Formal Enforcement Actions Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100020408	Rio Caonillas at Lago Caonillas Dam	RIO COABEY	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
PR	2020	<u>PRNR7C1</u>	RIO CAONILLAS	Impaired - 303(d) Listed - With Restoration Plan	METALS (OTHER THAN MERCURY) NUTRIENTS PATHOGENS TURBIDITY	Not Supporting	Not Supporting	--	Not Supporting	--

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Environmental Justice

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

EJScreen Indexes Shown

Related Reports

[EJScreen Report](#)

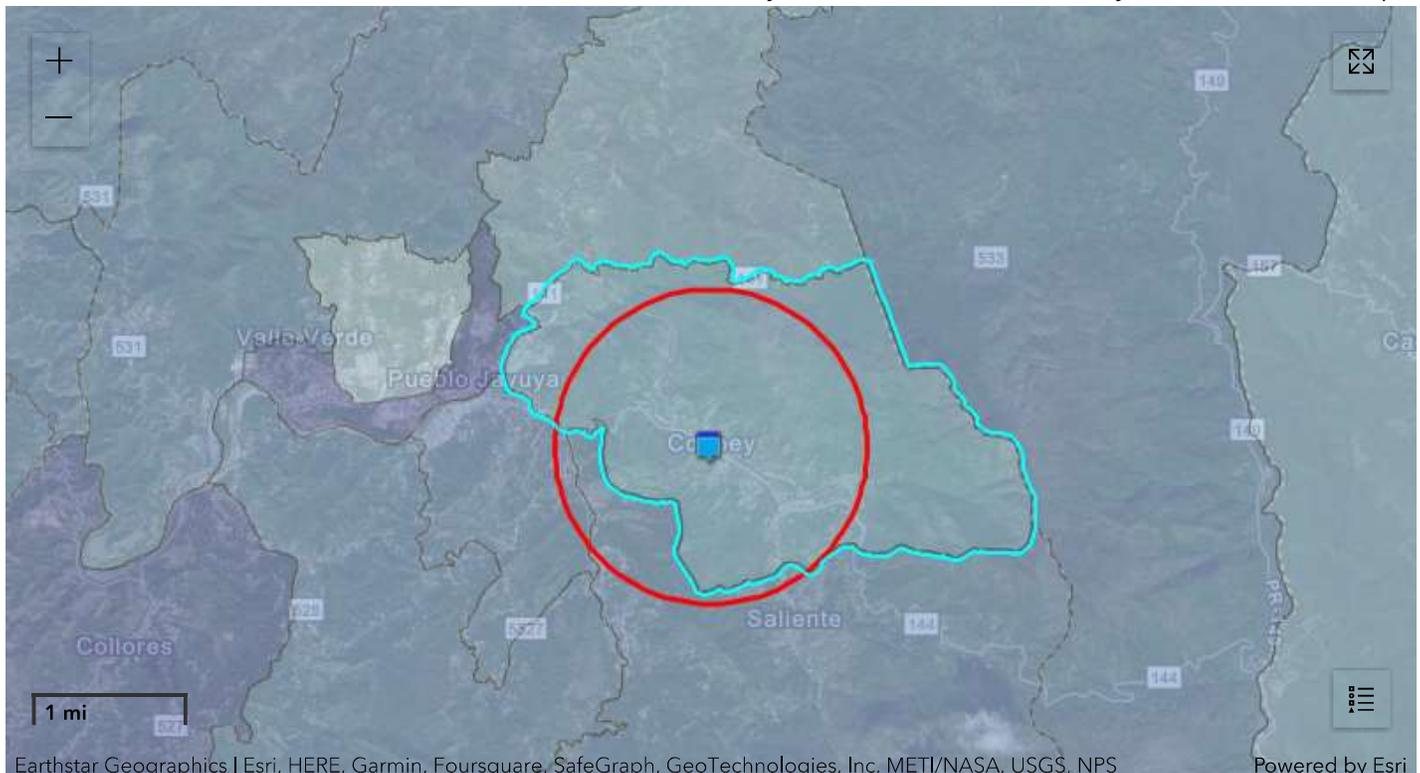
Compare to US State

Index Type Environmental Justice Supplemental

[Download Data](#)

Census Block Group ID: 720739563042	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	4	5
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	0	--
Air Toxics Cancer Risk	81	87
Air Toxics Respiratory Hazard Index	52	58
Traffic Proximity	34	54
Lead Paint	66	85
Risk Management Plan (RMP) Facility Proximity	99	99
Hazardous Waste Proximity	35	44
Superfund Proximity	98	98
Underground Storage Tanks (UST)	0	--
Wastewater Discharge	97	99

Facility 1-mile Radius Facility Census Block Group



Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	1,554
Population Density	480/sq.mi.
Housing Units in Area	620

General Statistics (ACS (American Community Survey))	
Total Persons	1,685
Percent People of Color	100%
Households in Area	463
Households on Public Assistance	19
Persons With Low Income	1,576
Percent With Low Income	94%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.2134
Center Longitude	-66.5678
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	251 (54.21%)
\$15,000 - \$25,000	41 (8.86%)
\$25,000 - \$50,000	113 (24.41%)
\$50,000 - \$75,000	39 (8.42%)
Greater than \$75,000	19 (4.1%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	94 (6%)
Minors 17 years and younger	412 (27%)
Adults 18 years and older	1,142 (73%)
Seniors 65 years and older	193 (12%)

Race Breakdown (U.S. Census) - Persons (%)	
White	1,401 (90%)
African-American	48 (3%)
Hispanic-Origin	1,545 (99%)
Asian/Pacific Islander	4 (0%)
American Indian	5 (0%)
Other/Multiracial	96 (6%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	123 (12.07%)
9th through 12th Grade	27 (2.65%)
High School Diploma	432 (42.39%)
Some College/2-year	137 (13.44%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	258 (25.32%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Appendix 4



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: 2023-0123571
Project Name: PR-RGRW-01154

August 30, 2023

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
- 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: 2023-0123571

Project Name: PR-RGRW-01154

Project Type: Restoration / Enhancement - Agricultural

Project Description: The proposed activities for PR-RGRW-01154, consist of the purchase of COB cutter, toaster, cocoa sheller, cocoa mill, cocoa dryer, machinery for shelling, solar panels, cocoa grafting, cocoa tempering and thermal tank for choco. The solar panels will be installed on top of an existing galvalume container. A new transfer switch will be installed for the solar panels. No ground disturbance will be needed for the solar panel installation. The project includes a new 10 x 20 galvanized steel structure (cocoa drier) with gabled roof in Galvalum G-24 and sides in mesh steel. Adjacent to the structure, a 10 x 16 steel frame will be installed to be covered with plastic as a roof. The installation of the structure will require ground disturbance since it will be installed on a concrete slab. The water needed for the structure will be provided from an existing P.R.A.S.A. water intake on the property and the water pipes will be placed above ground. The power needed for the operation of the structure will be provided from an existing P.R.E.P.A./LUMA power outlet on the property. No other equipment to be purchased will require ground disturbance. The project area is located at PR-144 km. 8 Int within the Municipality of Jayuya. Based on a review of historical aerial imagery, the general area has been used for agricultural purposes for the past 7 years

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2103249,-66.56856877165285,14z>



Counties: Jayuya 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.

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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
Puerto Rican Sharp-shinned Hawk <i>Accipiter striatus venator</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/604	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/NUJDSQY56FEEFKH3FLVYHUS2JM/documents/generated/6941.pdf	Endangered

CRITICAL HABITATS

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

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

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

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

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

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 habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

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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.

MIGRATORY BIRDS FAQ

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

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

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

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

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

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

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

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

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

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

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

What are the levels of concern for migratory birds?

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

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
 2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
 3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).
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Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

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

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

What if I have eagles on my list?

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

Proper Interpretation and Use of Your Migratory Bird Report

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

WETLANDS

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

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

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

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

IPAC USER CONTACT INFORMATION

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