

# **Environmental Assessment**

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

### **24 CFR Part 58**

#### **Project Information**

**Project ID:** PR-RGRW-00674

**Project Name:** Terra Inc.

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

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

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

**Preparer:** Dannaly Cruz

**Certifying Officer Name and Title:** Santa Ramírez, Permit and Environmental Compliance Officer.

**Consultant:** Behar Ybarra & Associates LLC

**Direct comments to:** Angel Gabriel Lopez Guzman  
environmentcdbg@ivienda.pr.gov

#### **Project Location:**

Carr. 105 Km. 8.6, Int. Calle Cielo Mar Bo. Limón, Mayagüez PR, 00680

Greenhouse 1: latitude 18.189735, longitude -67.075127

Greenhouse 2: latitude 18.18964, longitude -67.075113

Parcel cadastral # 234-088-925-87

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

Purchase and installation of two 72' x 30' greenhouse structures with their respective tables, for cultivation of green plantains, coriander ("cilantrillo"), yautia, pineapples and parsley. The greenhouses will have an anchorage consisting of the installation of 8 pipes of 30.48 centimeters in diameter that will be installed in the four corners of each of the greenhouses. These pipes will be installed at a depth of 30.48 centimeters. A site Map is included in Figure 1, illustrating the location of the greenhouses on the property. Photos of the greenhouse 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 inland wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities. This agricultural project associated with the greenhouses placements are in keeping with the overall objectives of the Economic Development Program.

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

The existing area for the proposed greenhouses is used for agricultural purposes. Therefore, there is no change in land use associated with these greenhouses placements.

**Funding Information**

<b>Grant Number</b>	<b>HUD Program</b>	<b>Funding Amount</b>
B-18-DP-72-0001 B-17-DM-72-0001	CDBG-DR, Re-Grow PuertoRico Urban-Rural Agriculture Program	\$172,500,000.00

**Estimated Total HUD Funded Amount:** \$50,000.00

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$50,000.00

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

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

<b>Compliance Factors:</b> Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required	Compliance determinations
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project consists only of purchase and installation of two greenhouses and will have no impact on any Airports. This topic is in compliance with the HUD's Airport Hazard regulations without further evaluation. The site is located 31,000 feet from the nearest major civil airport, Eugenio Maria de Hostos Airport. See the attached Airport map Runway Protection Zone, Figure 2.
<b>Coastal Barrier Resources</b>  Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not located in a CBRS Unit. The project is located 35,078 feet southwest of the nearest Coastal Barrier Resource System, CBRS-72. 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.
<b>Flood Insurance</b>  Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is located in a Zone X, Panel 72000C1005H, 04/19/2005. The project does not require flood insurance or is excepted from flood insurance. See attached Flood Map, Figure 4.

<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</b>		
<p><b>Clean Air</b></p> <p>Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>This project consists only of the purchase and installation of equipment (greenhouses and tables) for an agricultural site and is not located in a nonattainment municipality of Puerto Rico (Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, Toa Baja). The installation and operation of this project will have no impact and is in compliance with the Clean Air Act without further evaluation. See attached published list of Puerto Rico Nonattainment/Maintenance Status for each county by year for all criteria pollutants.</p>
<p><b>Coastal Zone Management</b></p> <p>Coastal Zone Management Act, sections 307(c) &amp; (d)</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The project is located 24,000 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><b>Contamination and Toxic Substances</b></p> <p>24 CFR Part 58.5(i)(2)</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>This project consists of the purchase and installation of equipment 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 are no sites of environmental concern identified within 3,000 feet from the project site. The project is in compliance with contamination and toxic substances requirements. See attached Toxics Map, Figure 6.</p>
<p><b>Endangered Species</b></p>	<p>Yes    No</p>	<p>This project will have No Effect on listed species due to the nature of the</p>

<p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>activities involved in the project. The project is 12,522 feet from the nearest proposed endangered species critical habitat. The scope of work includes continued agricultural use of the property with no intention to cut down trees. Additionally, the project has no critical habitats in the area. If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask for them to relocate the Boa. As established by the USFWS Puerto Rican Boa Conservation Measures Guideline. <a href="https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf">https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf</a></p> <p>This project is in compliance with the Endangered Species Act. See attached Endangered Species map, Figure 7.</p>
<p><b>Explosive and Flammable Hazards</b></p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists only of purchase and installation of two greenhouses and does not include development, construction or rehabilitation that will increase residential density. This project is in compliance with this citation without further evaluation</p>
<p><b>Farmlands Protection</b></p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>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 farmlands. The project is in compliance with the Farmland Protection Policy Act. See the attached Farmlands map, Figure 8.</p>
<p><b>Floodplain Management</b></p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located in a Zone X, Panel 72000C1005H, 4/19/2005 (Figure 4). The site is not located in a Preliminary Firm or</p>

<p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>		<p>an Advisory Base Flood Elevation special flood hazard area. The project is in compliance with Executive Order 11988. See attached Flood Map (Figure 9).</p>
<p><b>Historic Preservation</b></p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes    No  <input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The site was visited on October 20, 2022, by SOI-qualified archaeologist. For this project, there will be no ground disturbance other than the 8 post holes for the greenhouse posts. Documentation with photographs and maps was subsequently submitted to SHPO (attached Appendix 1). In a response from PR SHPO dated December 1, 2022, SHPO concurred with a finding of <b>No Historic Properties Affected</b> 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). The greenhouse will be installed on bare soil. There will be no ground disturbance. Therefore, this activity is in compliance.</p>
<p><b>Noise Abatement and Control</b></p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes    No  <input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>This project consists only of the purchase and installation of two greenhouses 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 this citation without further evaluation.</p>
<p><b>Sole Source Aquifers</b></p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes    No  <input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>There are no sole source aquifers in Puerto Rico. The project is in compliance with this citation without further evaluation.</p>

<p><b>Wetlands Protection</b></p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>There is a Riverine Wetland associated with an unnamed creek at approximately 230 feet northeast of the project area. However, the wetland is not in the area of potential effect and will not be affected. The project is in compliance with Executive Order 11990. See the attached Wetlands map, Figure 11.</p>
<p><b>Wild and Scenic Rivers</b></p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>This project is not within proximity of a NWSRS river. The project is in compliance with the Wild and Scenic Rivers Act. The project is located 446,258 feet from the nearest Wild and Scenic River. See Map, Figure 12)</p>
<p><b>ENVIRONMENTAL JUSTICE</b></p>		
<p><b>Environmental Justice</b></p> <p>Executive Order 12898</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>Based on the scope of work for this project, there will be no additional impact on low-income or minority residents. This proposed activity will not have a negative impact on Environmental Justice. Therefore, the proposed activity complies with this section.</p>

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

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

**(1)** Minor beneficial impact

**(2)** No impact anticipated

**(3)** Minor Adverse Impact – May require mitigation

**(4)** Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>LAND DEVELOPMENT</b>		
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 zoning and existing land use. There is no urban design associated with this rural, agricultural site.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The soil is currently being used for agriculture purposes. There is no change in land use since the land will continue to be used to agriculture purposes. The landslide data indicates moderate landslide susceptibility, 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 should not trigger any additional energy consumption since the project is a purchase and installation of new greenhouses on an existing agricultural farm and will not require any expansion to existing power facilities.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>SOCIOECONOMIC</b>		
Employment and Income Patterns	2	The project is not anticipated to have a significant impact on Employment and Income Patterns.
Demographic Character Changes, Displacement	2	The proposed project will not alter the demographic characteristics of Mayaguez, 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
<b>COMMUNITY FACILITIES AND SERVICES</b>		
Educational and Cultural Facilities	2	The project consists of the purchase and installation of a greenhouse on bare ground 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 purchase and installation of a greenhouse on bare ground 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.
Wastewater / Sanitary Sewers	2	The proposed project will have no impact on Wastewater / Sanitary Sewers.

Water Supply	2	The proposed project will require additional water supply but not from a municipal water supply. The water will come from a rainwater drip system prepared by the proponent. The proposed project will have no impact on the water supply.
Public Safety - Police, Fire and Emergency Medical	2	The project consists of the purchase and installation of a greenhouse on bare ground 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 purchase and installation of a greenhouse on bare ground for an agricultural site and will have no impact on transportation and accessibility.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>NATURAL FEATURES</b>		
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 in land previously used for agricultural purposes and will continue in that capacity. There may be wildlife attracted to the greenhouse but no negative impact on wildlife.
Climate Change	2	There will be no impact on the climate due to this work.

**Additional Studies Performed:** Not applicable.

**Field Inspection** (Date and completed by): October 20, 2022, 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](http://www.faa.gov/airports/planning_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf)

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

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

National Park Service, National Registry of Natural Landmarks.

[www.nature.nps.gov/nnl/docs/NNLRegistry.pdf](http://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](http://www.rivers.gov/puerto-rico.php)

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

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

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](http://www3.epa.gov/airquality/greenbook/anayo_pr.html)

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

US Fish and Wildlife Service, Environmental Conservation Online System:

<https://ecos.fws.gov/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](http://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 placement of the greenhouses on this agricultural site.

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

The "Alternative" action would mean that the applicant use the existing greenhouse, which is in very poor condition, does not have the needed tools to carry out hydroponic cultivation and does not provide crop protection. With this alternative, the applicant would not be able to experience the growth needed to recover and expand their agriculture activities. The Alternative action would not allow for this economic development for this applicant. A provision of the grant allows for economic development for businesses and will allow the applicant to continue cultivating coriander (cilantrillo), green plantains, yautia, pineapples and parsley in the two new greenhouses. The location for the placements of the greenhouses will be on the flattest part approximately 50 meters from the entrance to the farm and 70 meters from the existing residential structure. 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 for the greenhouses and equipment 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: 12.6.2022

Name/Title/Organization: Dannaly Cruz / Environmental Specialist/ Behar Ybarra & Associates LLC

Certifying Officer Signature:  \_\_\_\_\_ Date: April 18, 2023

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

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

## Figures

**Figure 1**

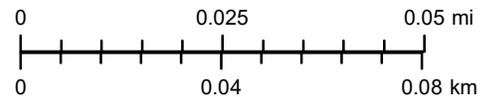
**Location: Aerial Map**

**Puerto Rico Department of Housing ReGrow**



**Legend**

-  PR-RGRW-00674 Parcel
-  CRIM Parcels



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



**Source**

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



**Figure 3**

**PR-RGRW-00674 CBRS**



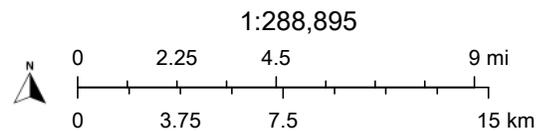
**Application ID: PR-RGRW-00674**  
**Edwin Caraballo**  
**Terra Inc.**  
**Carr 105 km 8.6 Bo. Limón**  
**Mayagüez PR**  
**Catastro: 234-086-925-87**  
**Lat: 18.189735, Lon: -67.075127**  
**Lat: 18.18964, Long: -67.075113**

**Figure 4**

12/5/2022, 2:19:17 PM

**CBRS Units**

- Otherwise Protected Area
- System Unit
- PR-RGRW-00674



U.S. Fish and Wildlife Service, Coastal Barrier Resources Act Program, CBRA@FWS.gov, Esri, HERE, Garmin, Foursquare, SafeGraph, METI/ NASA, USGS, NPS

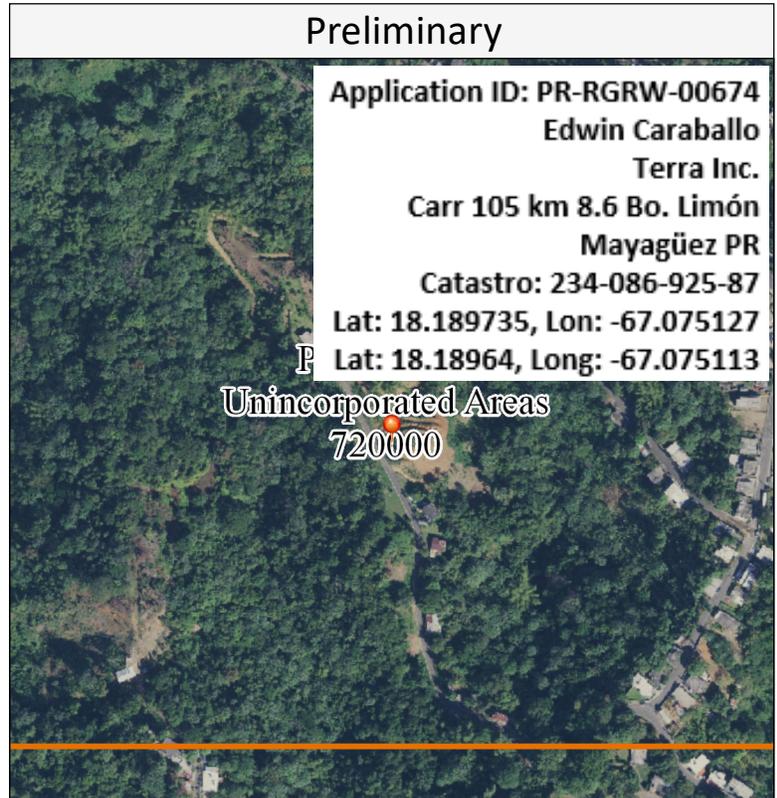
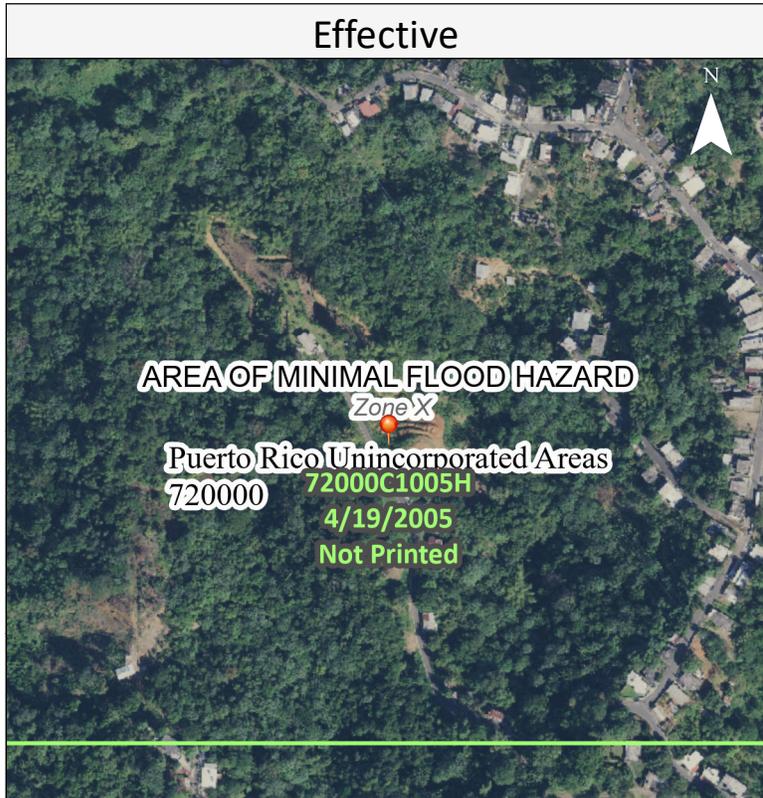
# Comparison of Flood Hazard

Figure 4



FEMA

Effective & Preliminary Flood Hazards



Effective	
POI Longitude/Latitude	-67.0751, 18.1897
Effective FIRM Panel	72000C1005H
Effective Date	4/19/2005
Flood Zone	X
Static BFE*	Not Available
Flood Depth	Not Available
Vertical Datum	Not Available

Preliminary	
POI Longitude/Latitude	-67.0751, 18.1897
Preliminary FIRM Panel	72000C1005H
Preliminary Issue Date	11/16/2018
Flood Zone	Not Available
Estimated Static BFE*	Not Available
Estimated Flood Depth	Not Available
Vertical Datum	Not Available

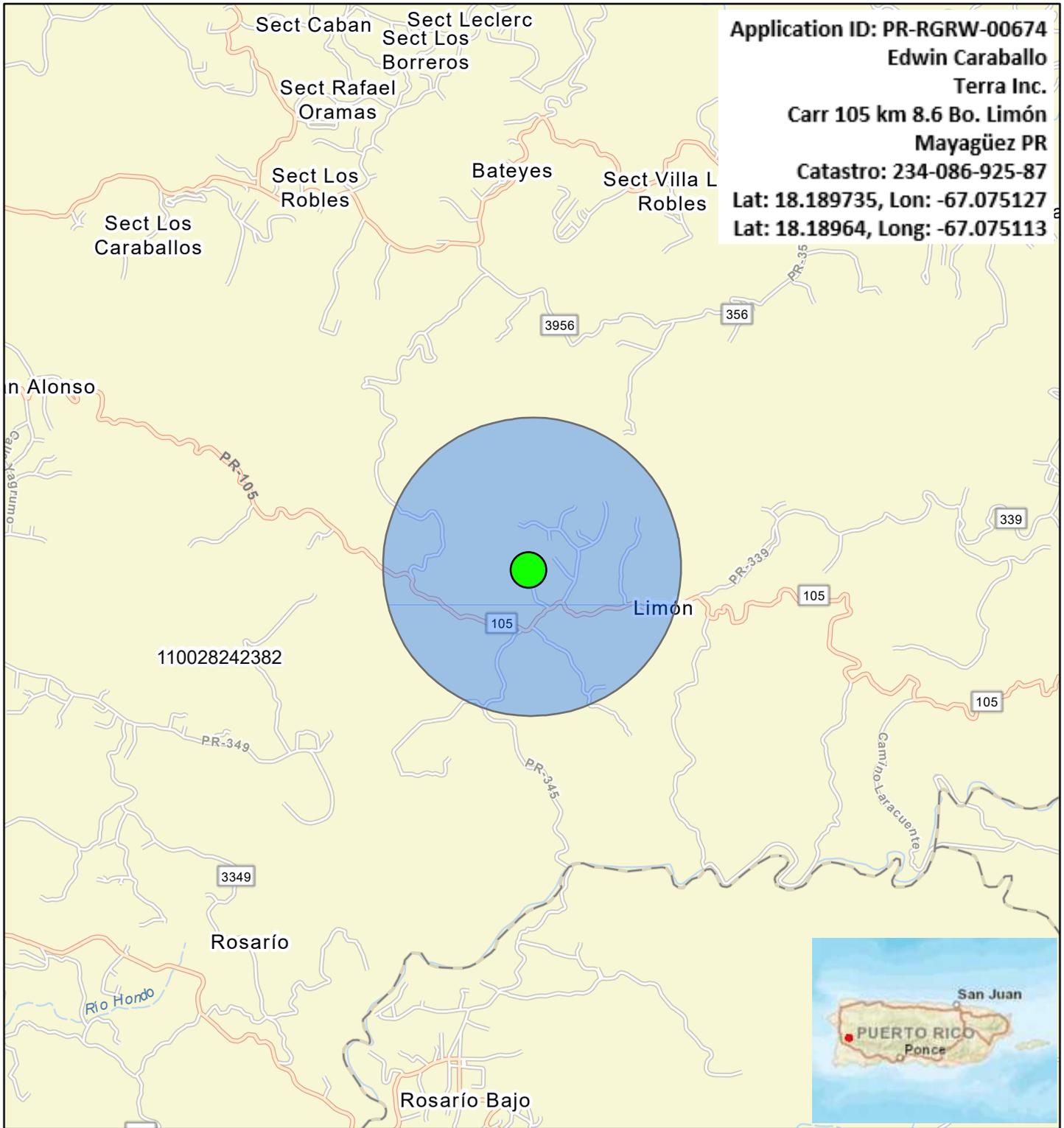
\* A **Base Flood Elevation** is the expected elevation of flood water during the 1% annual chance storm event. Structures below the estimated water surface elevation may experience flooding during a base flood event.

Hazard Level	Flood Hazard Zone
High Flood Hazard	<b>AE, A, AH, AO, VE and V Zones.</b> Properties in these flood zones have a 1% chance of flooding each year. This represents a 26% chance of flooding over the life of a 30-year mortgage.
Moderate Flood Hazard	<b>Shaded Zone X.</b> Properties in the moderate flood risk areas also have a chance of flooding from storm events that have a less than 1% chance of occurring each year. Moderate flood risk indicates an area that may be provided flood risk reduction due to a flood control system or an area that is prone to flooding during a 0.2% annual chance storm event. These areas may have been indicated as areas of shallow flooding by your community.  <b>Unshaded Zone X.</b> Properties on higher ground and away from local flooding sources have a reduced flood risk when compared to the Moderate and High Flood Risk categories. Structures in these areas may be affected by larger storm events, in excess of the 0.2% annual chance storm event.
Low Flood Hazard	<b>Insurance Note:</b> High Risk Areas are called 'Special Flood Hazard Areas' and flood insurance is mandatory for federally backed mortgage holders. Properties in Moderate and Low Flood Risk areas may purchase flood insurance at a lower-cost rate, known as Preferred Risk Policies. See your local insurance agent or visit <a href="https://www.fema.gov/national-flood-insurance-program">https://www.fema.gov/national-flood-insurance-program</a> for more information.

**Disclaimer:** This report is for informational purposes only and is not authorized for official use. The positional accuracy may be compromised in some areas. Please contact your local floodplain administrator for more information or go to [msc.fema.gov](https://www.fema.gov) to view an official copy of the Flood Insurance



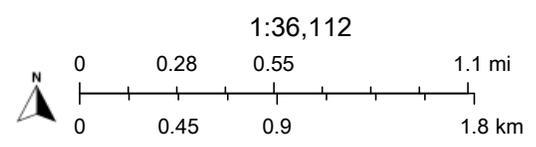
# Figure 6 PR-RGRW-00674 Toxic



**Application ID: PR-RGRW-00674**  
**Edwin Caraballo**  
**Terra Inc.**  
**Carr 105 km 8.6 Bo. Limón**  
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**Lat: 18.189735, Lon: -67.075127**  
**Lat: 18.18964, Long: -67.075113**

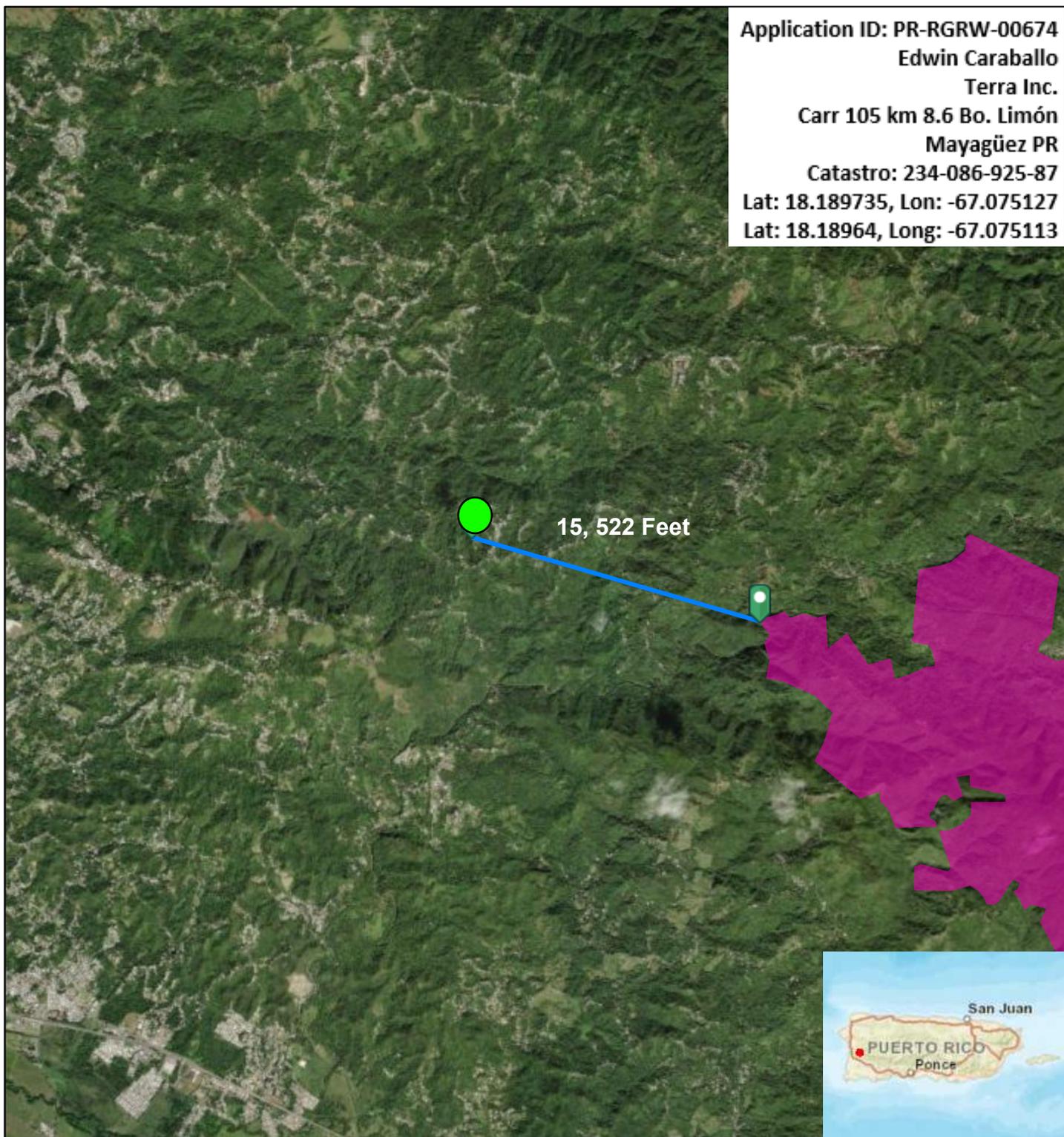
12/5/2022, 2:34:56 PM

- BufferedFeatures
- EPA\_DATA - FACILITY\_INTERESTS
- PR-RGRW-00674



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

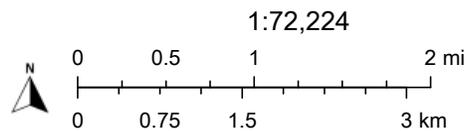
# PR-RGRW-00674 Endangered Species



12/6/2022, 9:18:53 AM

## Critical Habitat for Threatened & Endangered Species

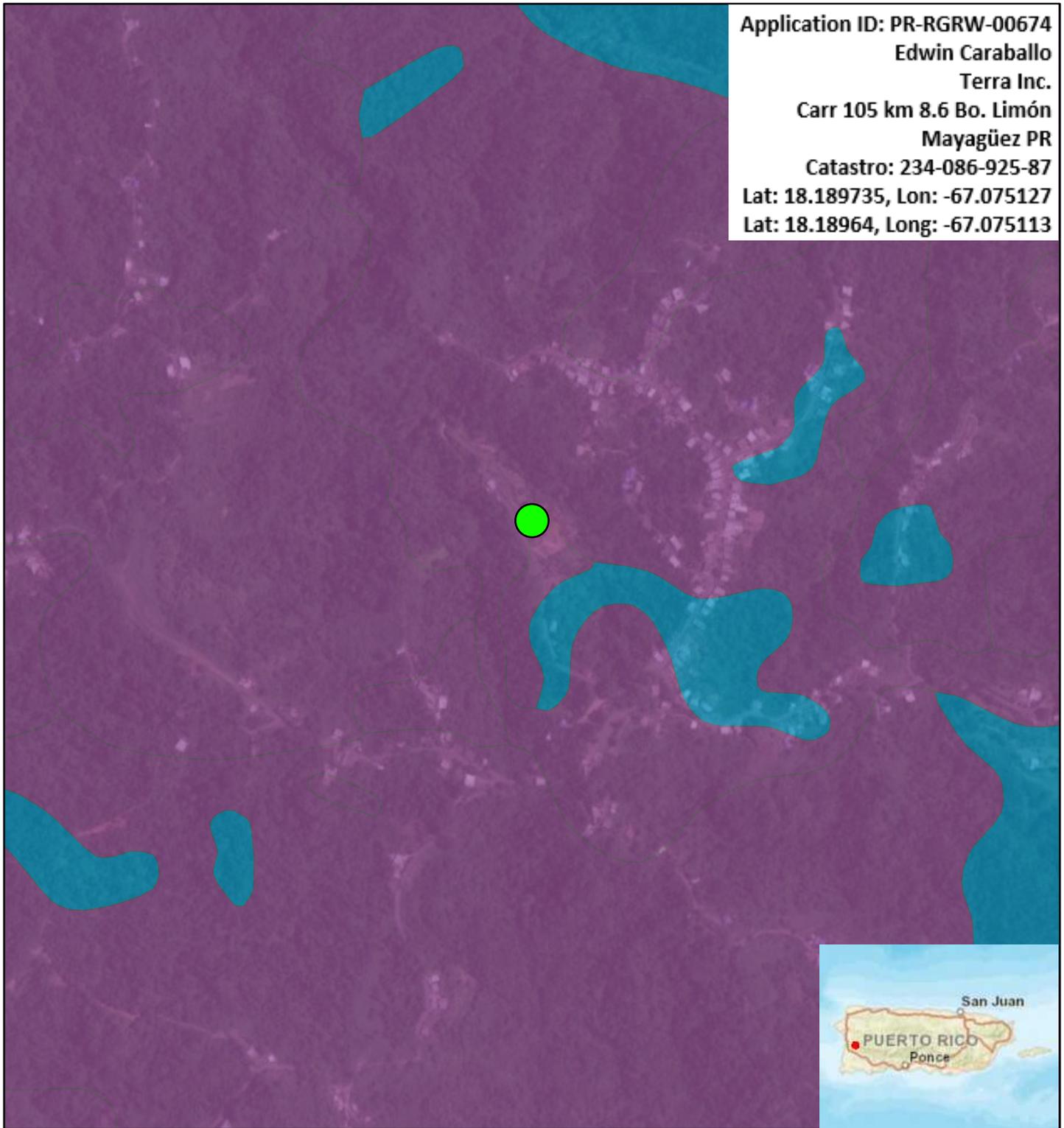
- Proposed
- PR-RGRW-00674



Source  
National Oceanic and Atmospheric Administration (NOAA)  
Office of Response and Restoration  
<https://response.restoration.noaa.gov/>

**Figure 8**

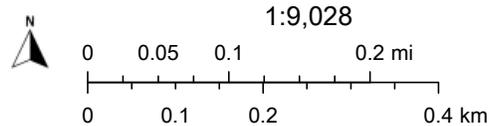
**PR-RGRW-00674 Farmlands**



12/15/2022, 11:32:47 AM

**Farmland Protection**

- Farmland of statewide importance
- Not prime farmland
- PR-RGRW-00674

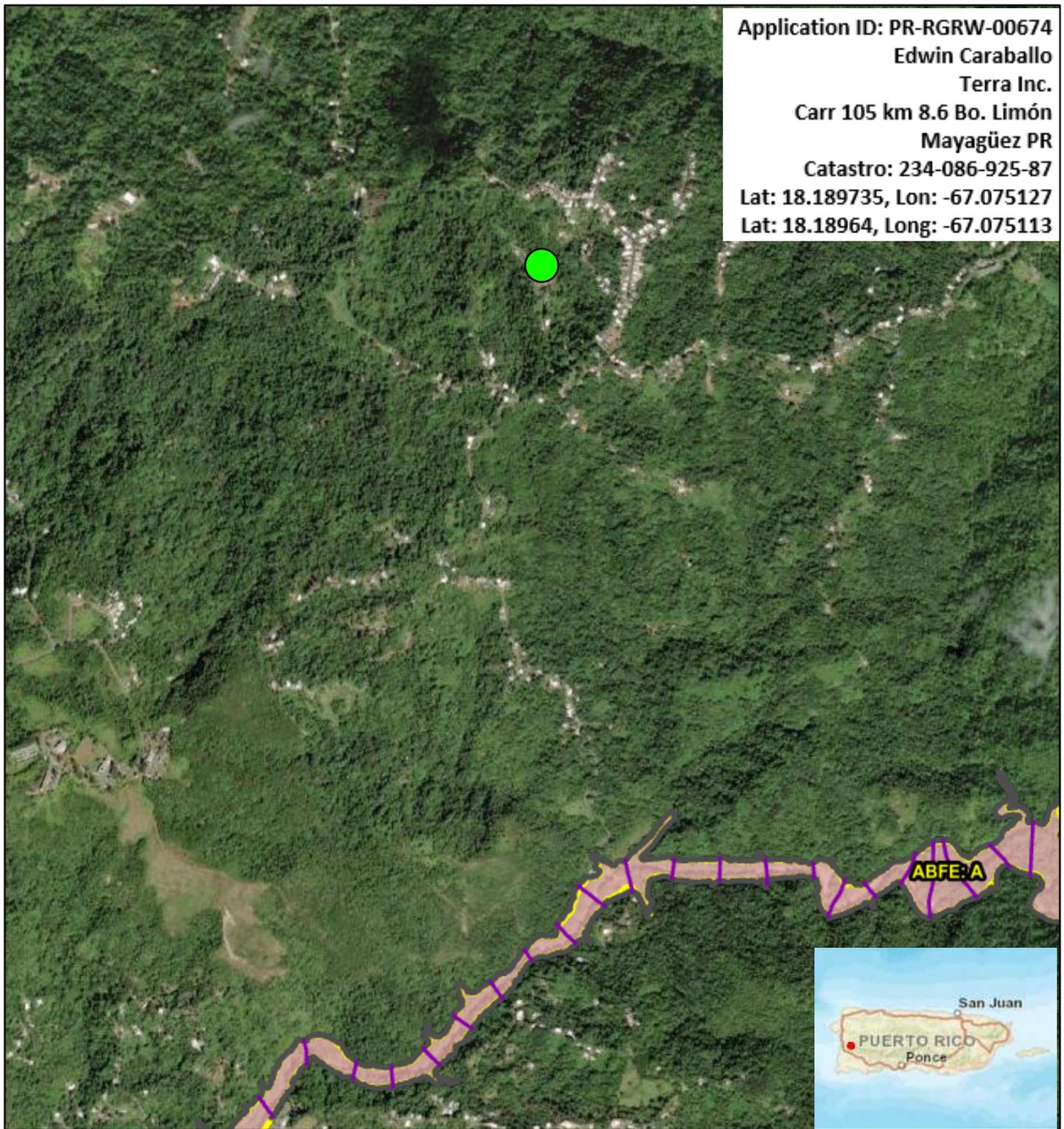


**Source**

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-00674 ABFE

Application ID: PR-RGRW-00674  
 Edwin Caraballo  
 Terra Inc.  
 Carr 105 km 8.6 Bo. Limón  
 Mayagüez PR  
 Catastro: 234-086-925-87  
 Lat: 18.189735, Lon: -67.075127  
 Lat: 18.18964, Long: -67.075113

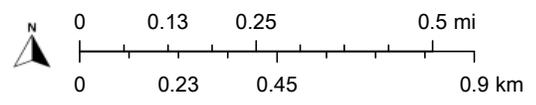


12/5/2022, 2:52:16 PM

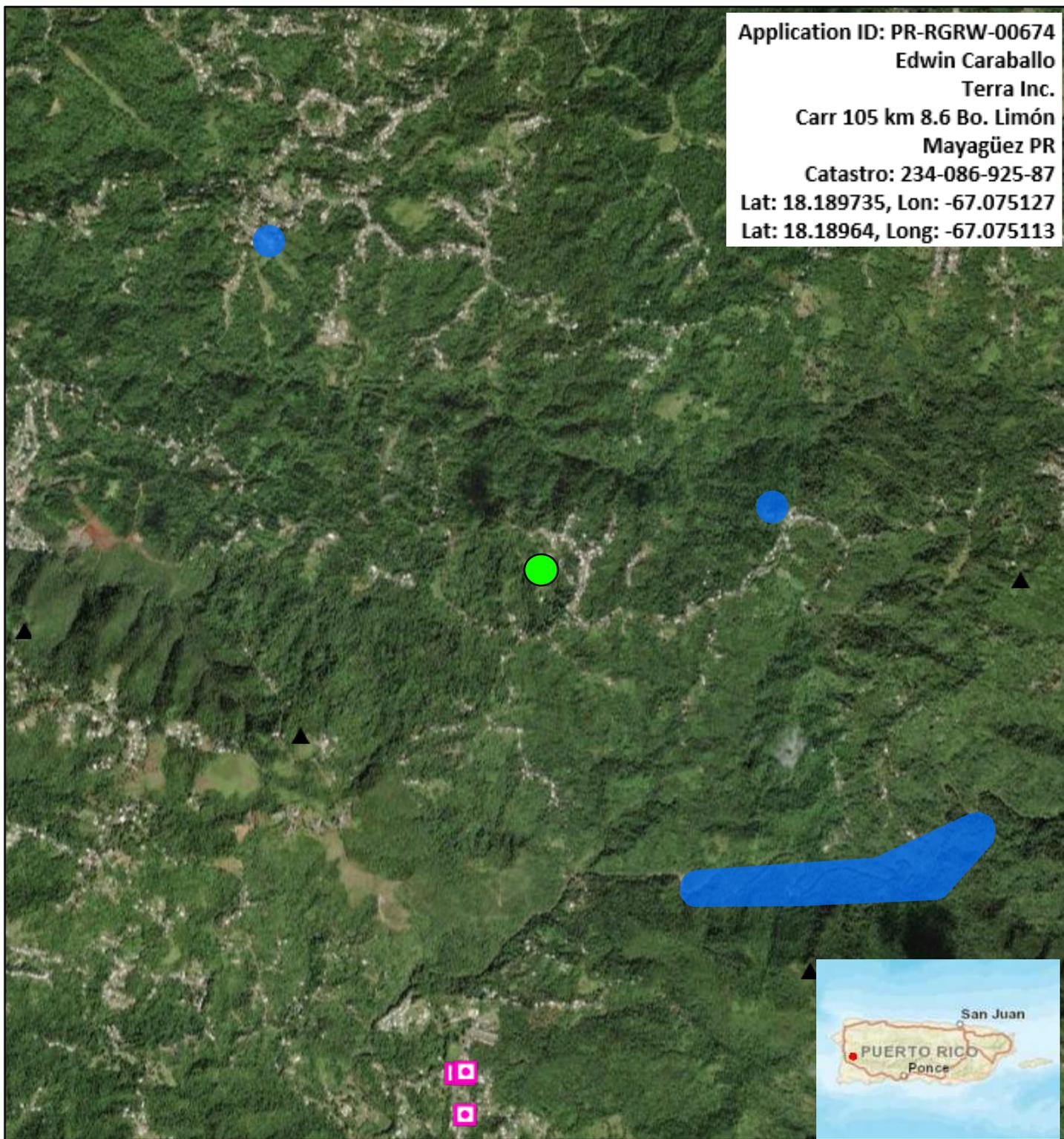
1:18,056

- 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-00674

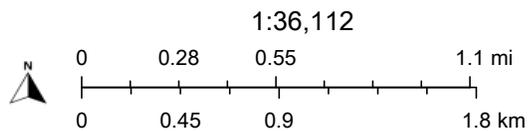


**Source**  
 Federal Emergency Management Agency (FEMA)  
 FEMA's National Flood Hazard Layer  
<https://www.fema.gov/flood-maps/national-flood-hazard-layer>



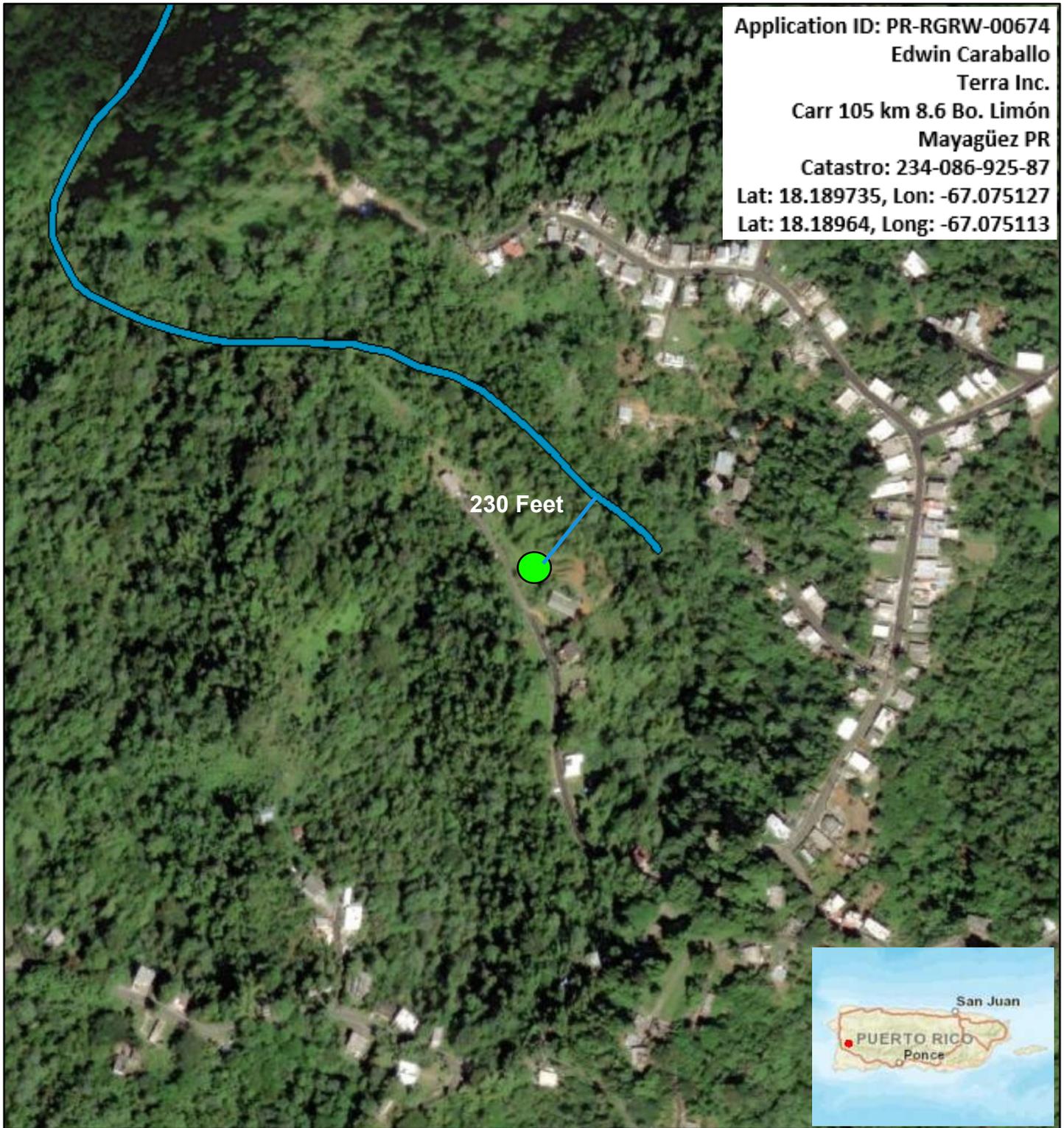
12/6/2022, 9:52:48 AM

- ▲ Cultural\_Resources - Scenic Places
- ◻ Cultural\_Resources - Cultural Value Places
- Cultural\_Resources - Archeological Resources
- PR-RGRW-00674



**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://oehc.pr.gov/Pages/default.aspx>

PR-RGRW-00674 Wetlands

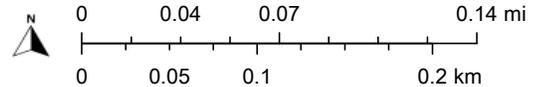


12/5/2022, 2:57:43 PM

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

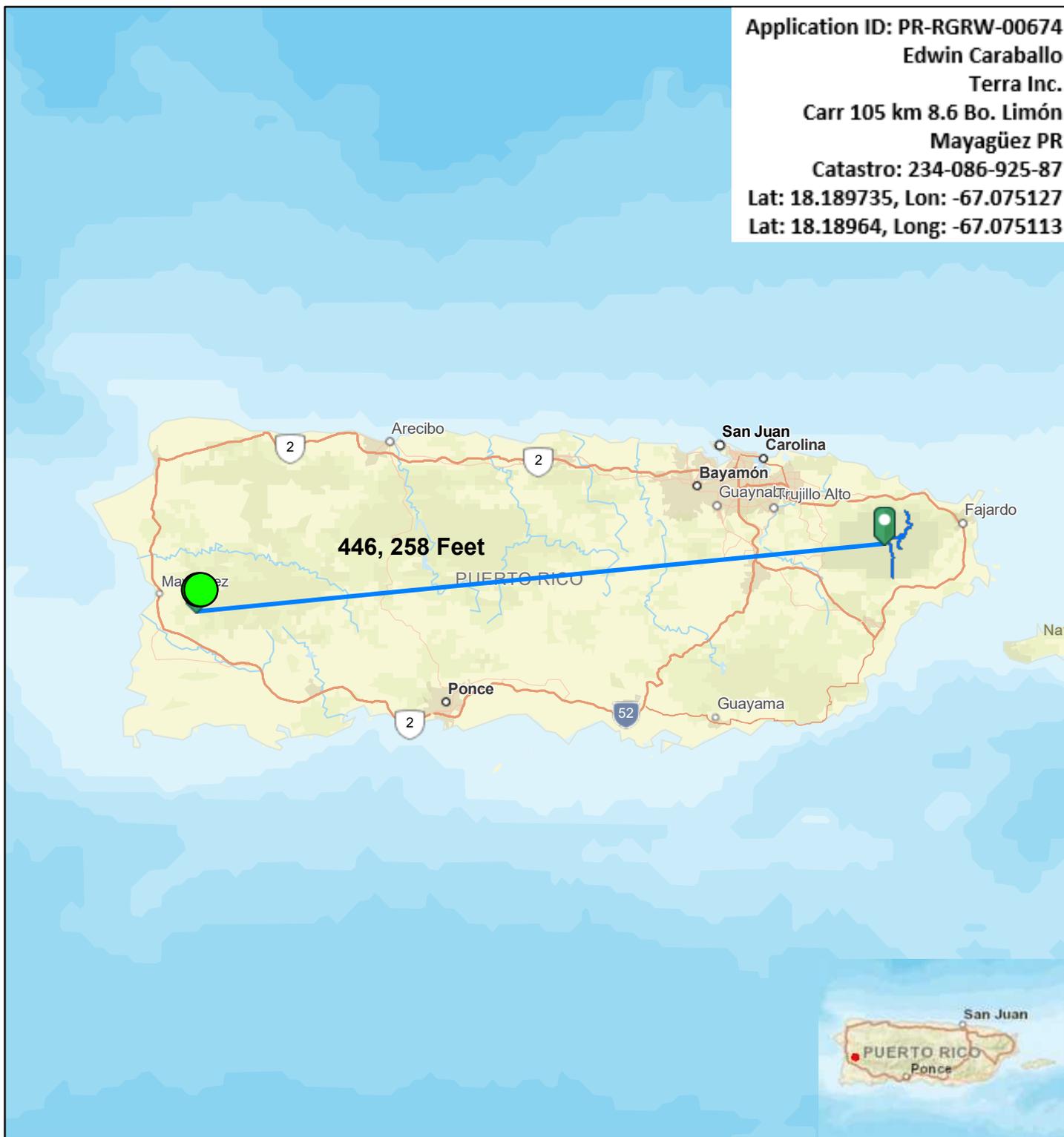
- Freshwater Pond
- Lake
- Other
- Riverine
- PR-RGRW-00674



U.S. Fish and Wildlife Service, National Standards and Support Team,  
 wetlands\_team@fws.gov, Maxar

# Figure 12 PR-RGRW-00674 Wild & Scenic Rivers

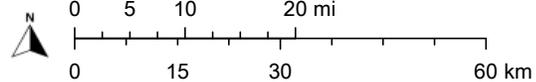
Application ID: PR-RGRW-00674  
 Edwin Caraballo  
 Terra Inc.  
 Carr 105 km 8.6 Bo. Limón  
 Mayagüez PR  
 Catastro: 234-086-925-87  
 Lat: 18.189735, Lon: -67.075127  
 Lat: 18.18964, Long: -67.075113



12/5/2022, 2:59:46 PM

1:1,155,581

— National Wild and Scenic River Line

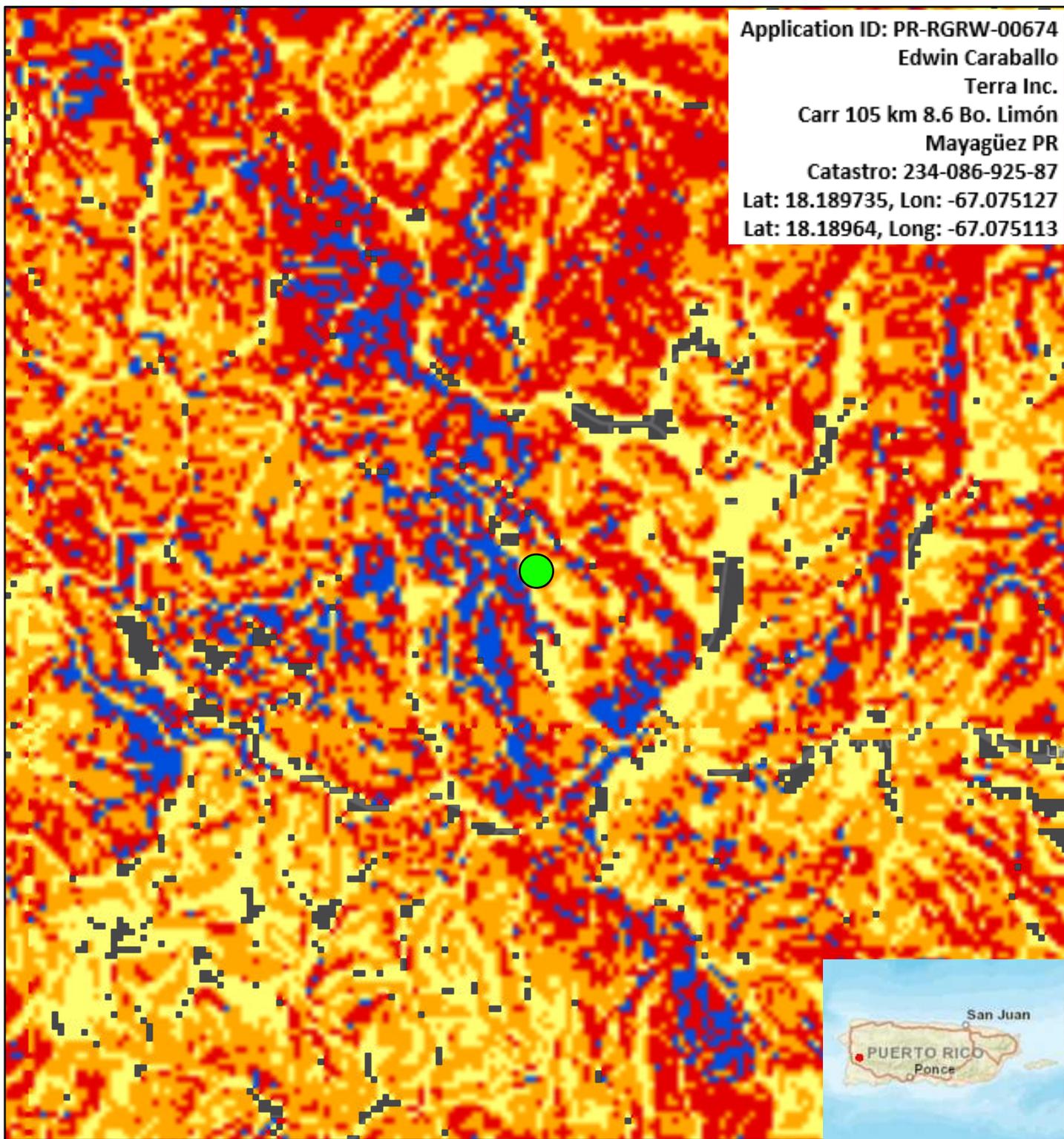


● PR-RGRW-00674

**Source**

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

# PR-RGRW-00674 Landslide

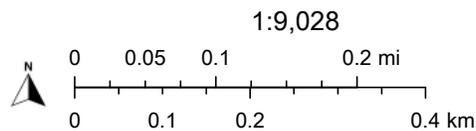


12/6/2022, 9:17:27 AM

Landslide Susceptibility

- Low
- Moderate
- PR-RGRW-00674

- High
- Very High
- Extremely High



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](mailto:carubio@prshpo.pr.gov)

December 1, 2022

**Lauren Bair Poche**  
HORNE- Architectural Historian Manager  
10000 Perkins Rowe, Suite 610 Bldg. G  
Baton Rouge, LA 70810

SHPO: 11-07-22-01 PR-RGRW-00674 TERRA INC. LOCALIZADO EN LA CARR. 105  
KM. 8.6, BO. LIMÓN, MAYAGÜEZ, PUERTO RICO

Dear Ms. Bair,

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

Our records support your finding of **no historic properties affected** within the project's area of potential effects. **Please note that should the Agency discover other historic properties at any point during project implementation, you should notify the SHPO immediately.**

If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio-Cancela  
State Historic Preservation Officer

CARC/GMO/IMC



November 7, 2022

Carlos A. Rubio Cancela  
Director Ejecutivo  
Oficina Estatal de Conservación Histórica  
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-00674 – Terra Inc.– Carr. 105 Km. 8.6, Bo. Limón, Mayagüez, 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 new construction activities by Terra Inc. at Carr. 105 Km. 8.6, Bo. Limón in the municipality of Mayagüez. The undertaking consists of the construction of two new greenhouses on the parcel.

Based on the submitted documentation prepared by SOI-qualified Archaeologist Jaqueline López Meléndez, the Program requests a concurrence that a determination of No Historic Properties Affected is appropriate for this proposed project.

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

Kindest regards,



**Lauren Bair Poche**

Architectural Historian, Historic Preservation Manager

Enclosures

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b>		
<b>REGROW PUERTO RICO PROGRAM</b>		
<b>Section 106 NHPA Effect Determination</b>		
<b>Applicant:</b> Terra Inc.		
<b>Case ID:</b> PR-RGRW-00674	<b>City:</b> Mayagüez	

<b>Project Location:</b> Carr. 105 Km. 8.6, Bo. Limón	
<b>Project Coordinates:</b> 18.189735 -67.075127, 18.189640 -67.075113	
<b>TPID (Número de Catastro):</b> 234-088-925-87	
<b>Type of Undertaking:</b>	
<input type="checkbox"/> Substantial Repair	
<input checked="" type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b> n/a	<b>Property Size (acres):</b> 2.40

<b>SOI-Qualified Archaeologist:</b> Site Visit by: Jaqueline López Meléndez, October 15, 2022
<b>Date Reviewed:</b> October 20, 2022

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 undertaking consists of the construction of two 72' x 30' new greenhouses in the parcel. There is another greenhouse already located in this parcel. The residence of the applicant is located in the adjacent parcel, northwest of the parcel where the greenhouses will be constructed. The terrain is steep, but the greenhouses will be located on the flattest part, going down a hill (on foot or 4 x 4 vehicle). The area where the greenhouses will be located is approximately 50 meters from the entrance to the farm and 70 meters from the existing residential structure. The existing area for the proposed placements is used for agricultural purposes. The main purpose of the proposed greenhouses will be the cultivation of coriander (cilantrillo), green plantains, yautia, pineapples and parsley. The only impact on the soil in the project area is the installation of 8 pipes of 30.48 centimeters in diameter that will be installed in the four corners of each of the greenhouses. These pipes will be installed at a depth of 30.48 centimeters.

### 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 APE has been defined as the area potentially impacted by ground disturbing activities related to the construction of the new greenhouses (Figure 1). Each of the greenhouses will have a pipe with a diameter of 30.48 centimeters at its corners to anchor the greenhouses to the ground. The pipe from the cistern to the greenhouse will be placed above ground.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REgROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 <small>GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING</small>
<b>Applicant:</b> Terra Inc.	
<b>Case ID:</b> PR-RGRW-00674	<b>City:</b> Mayagüez

### Identification of Historic Properties – Archaeology

A Program contracted Historic Preservation Specialist meeting the Secretary of the Interior’s Professional Qualification Standards (36 CFR Part 61), conducted background research to identify archaeological surveys, previously recorded archaeological sites, and National Register districts within a 0.5 miles radius. Background research indicates no resources are present within the 0.50 miles study area. The closest identified cultural resource to the project area is the “Conchero Bocamorena” (MY0100012) located 0.69 miles northeast of the APE.

The project area does not have cultural resources that are included in or eligible for the National Register of Historic Places (NRHP) or in a Traditional Urban Center or Historic District. According to the soil book in the project area we have Humatas clay soils, 40 to 60 percent slopes, eroded (HmF2). This soil has a dark brown clay surface about 3 to 5 inches thick and a red subsoil about 18 to 34 inches thick. In the project area the surface is red due to previous impacts to the ground. The exposed surface is the subsoil. The project area has steep topography and the project will occur in the flat area. To the east and north of this plain the terrain has steep slopes. It is evident that the plain was made with heavy machinery (Photos 1 and 2). The topography in the project area is not suitable for the settlement of Pre-Columbian groups.

On October 15, 2022, we visually inspected the project area. The area where the greenhouses will be placed has good visibility. During the visual inspection of the exposed surface, we found no evidence of archaeological cultural resources within the APE.

### Determination

Based on the results of our historic property identification efforts, the Program has determined that project actions will not affect the historic properties that compose the Area of Potential Effect.

Review of existing archaeological background information and the results of the surface walkover to the project area indicate that there are no historic properties or cultural resources within the 0.50-mile radius study area or within the project APE.

Review of existing background information found that the proposed project area is not within the boundaries or visual APE of an eligible / listed National Register of Historic Places (NRHP) nor to a Traditional Urban Center / Historic District. Visual inspection of the APE and its surroundings found no evidence of cultural materials.

The impacts of construction access to the area, generational use of the land for agriculture, and cutting and grading of the original surface have altered the landscape. The topography, which is characterized by steep slopes of more than 30 degrees, is considered excessive for prehistoric and historic resources or sites.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Applicant:</b> Terra Inc.	
<b>Case ID:</b> PR-RGRW-00674	<b>City:</b> Mayagüez

We have concluded that the undertaking will not affect any historic properties and that a determination of No Historic Properties Affected is appropriate for this project.

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

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

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

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

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

Applicant: Terra Inc.

Case ID: PR-RGRW-00674

City: Mayagüez

Figure 1. Project (PR-RGRW-00674) Location – Area of Potential Effect Map (Aerial)

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS ARCHITECTS AND PLANNERS  
Donald Behar, 1 Suite J-3, Calle Perseus 554, Alamo, San Juan, P.R. 00920 Tel: 787-763-4200

Application ID: PR-RGRW-00674

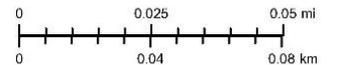
Edwin Caraballo  
Terra Inc.  
Carr 105 km. 8.6 Bo. Limón  
Mayagüez PR  
Catastro: 234-088-925-87  
Lat: See List Below, Lon: See List Below

### Area of Potential Effect

Puerto Rico Department of Housing ReGrow



- Legend**
- PR-RGRW-00674 Applicant Structure
  - Area of Potential Effect
  - PR-RGRW-00674 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 and Google Earth

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

Applicant: Terra Inc.

Case ID: PR-RGRW-00674

City: Mayagüez

Figure 2. Project (PR-RGRW-00674) Location - Aerial Map

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
©2018, Iberia 1 Suite 2-9, Calle Héroes S.S.A., Atlix, San Juan, PR, 00950. Tel: 771793-0200

Appication ID: PR-RGRW-00674

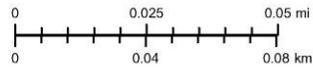
Edwin Caraballo  
Terra Inc.  
Carr 105 km. 8.6 Bo. Limón  
Mayagüez PR  
Catastro: 234-088-925-87  
Lat: See List Below, Lon: See List Below

Location: Aerial Map  
Puerto Rico Department of Housing ReGrow



Legend

- PR-RGRW-00674 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: Terra Inc.

Case ID: PR-RGRW-00674

City: Mayagüez

Figure 3. Project (PR-RGRW-00674) Location – USGS Topographic Map

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
Corret. Barria 1 Suite J-5, Calle Perseus 554, Arroyo, San Juan, PR, 00950 Tel: 787-7193-0290

Appication ID: PR-RGRW-00674

Edwin Caraballo  
Terra Inc.  
Carr 105 km. 8.6 Bo. Limón  
Mayagüez PR  
Catastro: 234-088-925-87  
Lat: See List Below, Lon: See List Below

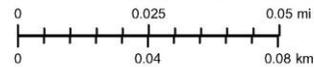
Location: USGS Topographic Map  
Puerto Rico Department of Housing ReGrow



**Legend**

- PR-RGRW-00674
- PR-RGRW-00674 Parcel

Contour Interval 20 Feet



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



**Source**

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



Applicant: Terra Inc.

Case ID: PR-RGRW-00674

City: Mayagüez

### Project (PR-RGRW-00674) Location – Soils Map

**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
• Dorot, Barrio 1 Suite 2-3, Calle Ponce 50-4, Arroyo, San Juan, PR. 00920 Tel: (787) 793-0290

Application ID: PR-RGRW-00674

Edwin Caraballo  
Terra Inc.  
Carr 105 km. 8.6 Bo. Limón  
Mayagüez PR  
Catastro: 234-088-925-87  
Lat: See List Below, Lon: See List Below

## Soils Map

Puerto Rico Department of Housing ReGrow

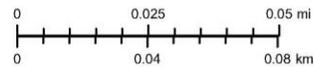


**Legend**

- PR-RGRW-00674
- PR-RGRW-00674 Parcel
- Soil Map Unit Symbol

**Soil Map Unit Symbol**

- CoF2 - Consumo clay, 40 to 60 percent slopes
- HmE2 - Humatas clay, 20 to 40 percent slopes
- HmF2 - Humatas clay, 40 to 60 percent slopes
- MxF - Mucara clay, 40 to 60 percent slopes



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



**Source**

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



**Applicant:** Terra Inc.

**Case ID:** PR-RGRW-00674

**City:** Mayagüez

**Project (PR-RGRW-00674) Location with Previous Investigations - Aerial Map**



**Application ID:** PR-RGRW-00674

Edwin Caraballo

Terra Inc.

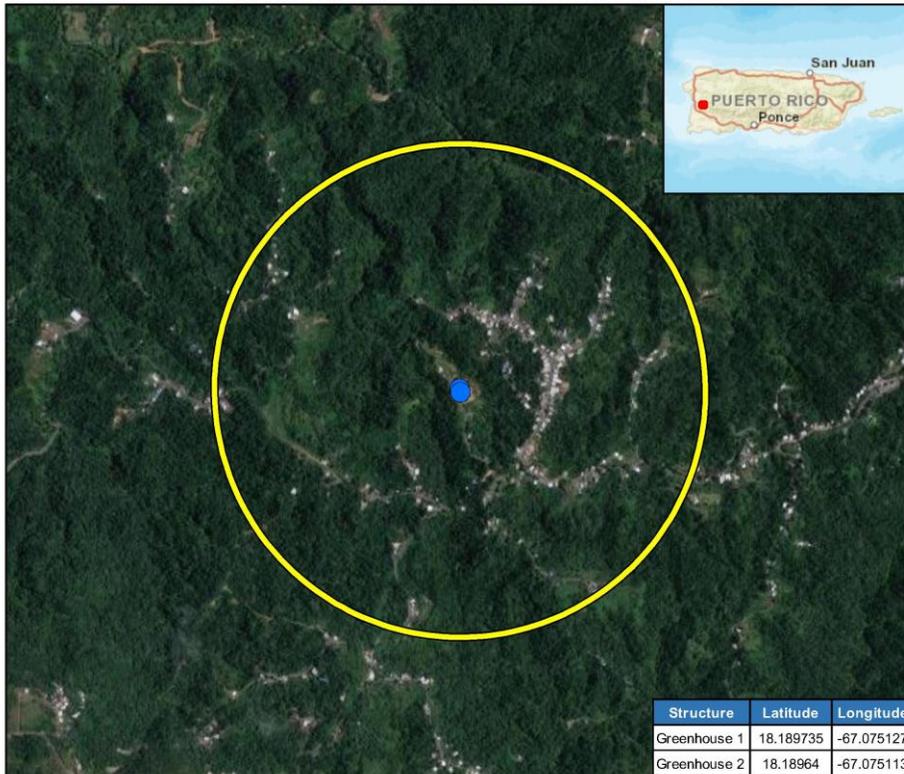
Carr 105 km. 8.6 Bo. Limón

Mayagüez PR

Catastro: 234-088-925-87

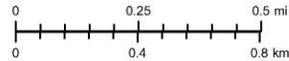
Lat: See List Below, Lon: See List Below

**Previous Investigations: Aerial Map**  
Puerto Rico Department of Housing ReGrow



**Legend**

- PR-RGRW-00674
- 0.50 Mile (0.80 km) Buffer



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

**Source**



Applicant: Terra Inc.

Case ID: PR-RGRW-00674

City: Mayagüez

**Project (PR-RGRW-00674) Location with Previously Recorded Cultural Resources  
USGS Topographic Map**

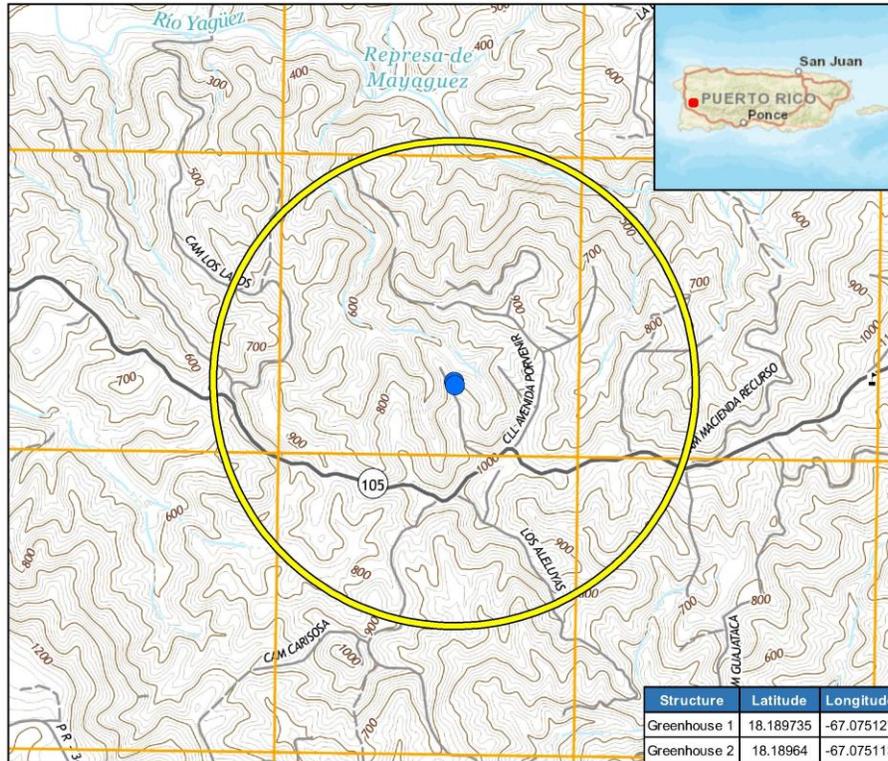
**BYA** BEHAR-YBARRA & ASSOCIATES LLC  
CONSULTING ENGINEERS, ARCHITECTS AND PLANNERS  
Corra. Marín 1, Suite #18, Calle Ponce 504, Arroyo, San Juan, PR, 00920 Tel: (787) 938-0200

Application ID: PR-RGRW-00674

Edwin Caraballo  
Terra Inc.  
Carr 105 km. 8.6 Bo. Limón  
Mayagüez PR  
Catastro: 234-088-925-87  
Lat: See List Below, Lon: See List Below

**Previous Investigations: USGS Topographic Map**

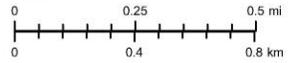
Puerto Rico Department of Housing ReGrow



Structure	Latitude	Longitude
Greenhouse 1	18.189735	-67.075127
Greenhouse 2	18.18964	-67.075113

- Legend**
- PR-RGRW-00674
  - 0.50 Mile (0.80 km) Buffer

Contour Interval 20 Feet



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

Applicant: Terra Inc.

Case ID: PR-RGRW-00674

City: Mayagüez

### Photograph Key



**Applicant:** Terra Inc.

**Case ID:** PR-RGRW-00674

**City:** Mayagüez



**Photo #:** 1

**Description (include direction):** Project area looking southwest.

**Date:** October 15, 2022



**Photo #:** 2

**Description (include direction):** Project area, looking southeast.

**Date:** Date: October 15, 2022

**Applicant:** Terra Inc.

**Case ID:** PR-RGRW-00674

**City:** Mayagüez



**Photo #:** 3

**Date:** October 15, 2022

**Description (include direction):** Project area looking northwest.



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