

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-00869

Project Name: Amasar 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, Limary Vélez Marrero, Juan Carlos Perez Bofill and Mónica M. Machuca Ríos.

Consultant: Behar Ybarra & Associates LLC

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

Project Location:

Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya PR, 00664

Milling machine Location: latitude 18.255663, longitude -66.56994

Tire retaining wall location: latitude 18.255370, longitude -66.570188

Parcel cadastral # 190-000-010-89-000

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

The proposed activities for Amasar LLC consist of purchasing a new milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp Control, back blower, storage rack, a Van, an UTV and Land Erosion Control PRAC (Tires)(EA). These new items will be housed in an existing structure on the property and connected to existing utility infrastructure. The project also includes erosion control infrastructure that will be installed adjacent to an existing greenhouse and along the farm road to mitigate

severe erosion in these areas. The erosion control methodology consists of using a tire retaining wall, which will be stacked following the natural contour of the slope. Some ground preparation will be involved at the base of the slopes, including placing a layer of gravel to allow for water filtration. The tires will be placed in rows and filled with a mixture of gravel and soils brought in from local lumberyards. The project area is located at Road #141 Km 11.7 (interior), Bo. Mameyes, within the Municipality of Jayuya, at the northern end of a 17.6-acre parcel. Based on a review of historical aerial imagery, the general area was a rural residential setting from at least 1959 (the earliest imagery available for the area) through the present day.

The Area of Potential Effect (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is the location of the erosion control mitigation areas and the building that will house the milling machine plus a 15-meter buffer. The visual APE is the viewshed of the proposed project.

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

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]: The Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) will increase agricultural capacity while promoting and increasing food security island wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities. This agricultural project associated with the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van 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 the proposed tire retaining wall will be to the northwest of an existing greenhouse and southwest to an existing structure where the milling machine will be placed. The proposed project is located in a rural mountainous area and surrounded by several slopes. The surface is mostly exposed and is used for agricultural purposes. 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	Community Planning and Development (CPD) / Community Development Block Grant - Disaster Recovery (CDBG-DR)	\$11,938,162,230.00
B-17-DP-72-0001		
B-19-DP-78-0002		
B-18-DE-72-0001		

Estimated Total HUD Funded Amount: \$97,862.75

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$97,862.75.

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 the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van and will have no impact on any Airports. The site is located 89,852 feet from the nearest major civil airport (Mercedita International Airport in Ponce) and 208,069 feet from the nearest military airport (Luis Muñoz Marín International Airport in San Juan). This topic is in compliance with the HUD's Airport Hazard regulations without further evaluation. See the attached Airport map Runway Protection Zone, Figure 2.
Coastal Barrier Resources	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not located in a CBRS Unit. The project is located 81,496 feet southwest of the nearest Coastal Barrier

<p>Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]</p>		<p>Resource System, PR-83. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. See the attached CBRS map, Figure 3.</p>
<p>Flood Insurance</p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located in a Zone X, Panel 72000C0640H, 4/19/2005 on the FEMA FIRM. The project does not require flood insurance or is excepted from flood insurance. The project is in compliance with Flood Insurance requirements. 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 <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists only of the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van for an agricultural site and is not located in a nonattainment municipality of Puerto Rico (Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, Toa Baja). The installation and operation of this project will have no impact and is in compliance with the Clean Air Act without further evaluation. See attached published list of Puerto Rico Nonattainment/Maintenance Status for each country by year for all criteria pollutants in Appendix 2.</p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located 74,431 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 purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van 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 no site of environmental concern identified within 3,000 feet from the project site.</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 PR boa (<i>Chilabothrus inornatus</i>), PR Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>), PR Parot (<i>Amazona vittata</i>) and PR Harlequin Butterfly (<i>Atlantea tulita</i>) could be found in the project area. The erosion control infrastructure will require ground disturbance; however, 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 erosion control consists of using a tire retaining wall, which will be stacked following the natural contour of the slope.</p>

Based on the nature of the project, scope of work, information available, and analysis of the IPaC lists together with field direct observations of the area where the project will be developed, the proponent has determined that the proposed project may affect but is not likely to adversely affect (NLAA) the Puerto Rican harlequin butterfly since its critical habitat is approximately 19,832 feet from the proposed tire retaining wall. As for the Rican broad-winged hawk and Puerto Rican parrot a NLAA determination was made since the land is currently used for agricultural purposes. Also, the Service acknowledge receipt of the NE (No Effect) DKey consistency letter for the Puerto Rican boa.

If a Puerto Rican harlequin butterfly is found, follow the conservation measures recommended by the USFWS in the Determination Letter (See appendix 4).

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.

<https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf>

This project is in compliance with the Endangered Species Act. Refer to Appendix 4 for USFWS Determination letter and Consultation package. See attached Endangered Species map, Figure 7.

<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van and does not include development, construction or rehabilitation that will increase residential density. This project is in compliance with Explosive and Flammable Hazards without further evaluation.</p>
<p>Farmlands Protection</p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project does not include any activities that could potentially convert agricultural land to non-agricultural use. All areas under the project site are farmland of statewide importance. The project is in compliance with the Farmland Protection Policy Act. See the attached Farmlands map, Figure 8.</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located in a Zone X, Panel 72000C0640H, 4/19/2005 (Figure 4). The site is not located in a Preliminary Firm or an Advisory Base Flood Elevation special flood hazard area. The project is in compliance with Executive Order 11988. See attached Flood Map (Figure 9).</p>
<p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project was reviewed on May 31, 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 tire retaining wall and milling machine. Documentation with photographs and maps was subsequently submitted to SHPO (attached Appendix 1). In a response from PR SHPO dated June 22, 2023, SHPO concurred with a finding of No Historic Properties Affected within the project's Area of Potential Effects (see attached</p>

		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 only of the purchase of a milling machine, Stihl Pole Prunner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van 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 Sole Source Aquifers 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 or near the project activity area. Therefore, no wetland will be affected by the project undertaking. The project is in compliance with Executive Order 11990. See the attached Wetlands map, Figure 11.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not within proximity of the NWSRS river. The project is located 270,680 feet from the nearest Wild and Scenic River. The project is in compliance 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.
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Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans /	2	The proposed action is continued agricultural use of property which is compatible with a zoning code of A-4

Compatible Land Use and Zoning / Scale and Urban Design		(General Rural) and existing land use of SREP-A (Specially Protected Agricultural 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. There is no major change in land use since the land will continue to be used to agriculture purposes. In the project area we have Los Guineos clay soils, 20 to 40 percent slopes, (LgE). This is a steep, well-drained soil on upland and coastal plains, and in valleys interspersed among the limestone hills. These soils formed in fine-textured sediments of mixed origin. The landslide data indicates Low to High landslide susceptibility. Erosion control infrastructure will be required adjacent to an existing greenhouse and along the farm road to mitigate severe erosion in these areas. The erosion control methodology consists of using a tire retaining wall, which will be stacked following the natural contour of the slope. Some ground preparation will be involved at the base of the slopes, including placing a layer of gravel to allow for water filtration. 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 long term noise. Additionally, the project does not include housing or such to where inhabitants would be affected.
Energy Consumption	2	The project consists of the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van on an existing agricultural farm and will not require any expansion to existing power facilities. The new items will be housed in an existing structure on the property and connected to existing utility infrastructure.
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 tire retaining wall. 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 Justice	2	In the project area within a one-mile radius: <ul style="list-style-type: none"> • The people of color are 98% compared to PR average of 96% • 72 % of the people are low income compared to PR average of 70% • 15% of the people are unemployed compared to PR average of 15% <p>The proposed activities of the installation of the tire retaining wall and milling machine have a positive impact on creating jobs for local people. Therefore, the proposed activity complies with this section. See EJSscreen Report in Appendix 3.</p>

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The project consists of the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van 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 of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van 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 construction of the tire retaining wall is not expected to result in significant changes in wastewater or sanitary sewer generation. Wastewater from the project must be monitored to not enter environmentally sensitive areas. The project will not produce any noxious odors affecting the quality of life of nearby residents. The proposed project will have no impact on Wastewater / Sanitary Sewers.
Water Supply	2	The proposed project will not require an additional water supply. No new connections will be provided for potable water. The proposed project will have no impact on the water supply.
Public Safety - Police, Fire and Emergency Medical	2	The project of the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van 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 on Parks, Open Space and Recreation. The property being used is agricultural and it will continue as agricultural use.

Transportation and Accessibility	2	The project consists of the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van for an agricultural site and will have no impact on transportation and accessibility.
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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 tire retaining wall 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): May 31, 2023, Jennifer Ort, 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/npia/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf

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

National Park Service, National Registry of Natural Landmarks.

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

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

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

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

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

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

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

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

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

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

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

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

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

Puerto Rico Coastal Zone Management Program Plan, September 2009.

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

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

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

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

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

List of Permits Obtained: None required.

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

Cumulative Impact Analysis [24 CFR 58.32]: In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van 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 another option to mitigate soil erosion like planting vegetation with deep roots that can hold the soil in place. This "Alternative" would not be feasible because it is a process that requires a long waiting time while the vegetation begins to grow.

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 purchase of a milling machine, Stihl Pole Pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, Land Erosion Control PRAC (Tires)(EA), UTV and a Van 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 environmental 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
<p>Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402.</p>	<p>The proposed project does not involve the removal of trees. If any activity proposes the removal of vegetation, the project must be reviewed for any impacts to endangered or threatened species.</p> <p>If a Puerto Rican harlequin butterfly is found, follow the conservation measures recommended by the USFWS in the Determination Letter (See appendix 4).</p>
<p>Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff</p>	<p>Soil suitability will be assessed prior to construction. Contractors will be required to use BMPs during construction if erosion impacts occur. DNER authorization may be required for any ground disturbance associated with the activities in the proposed project.</p>

Determination:

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

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

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

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

Preparer Signature:  Date: 12/15/2023

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

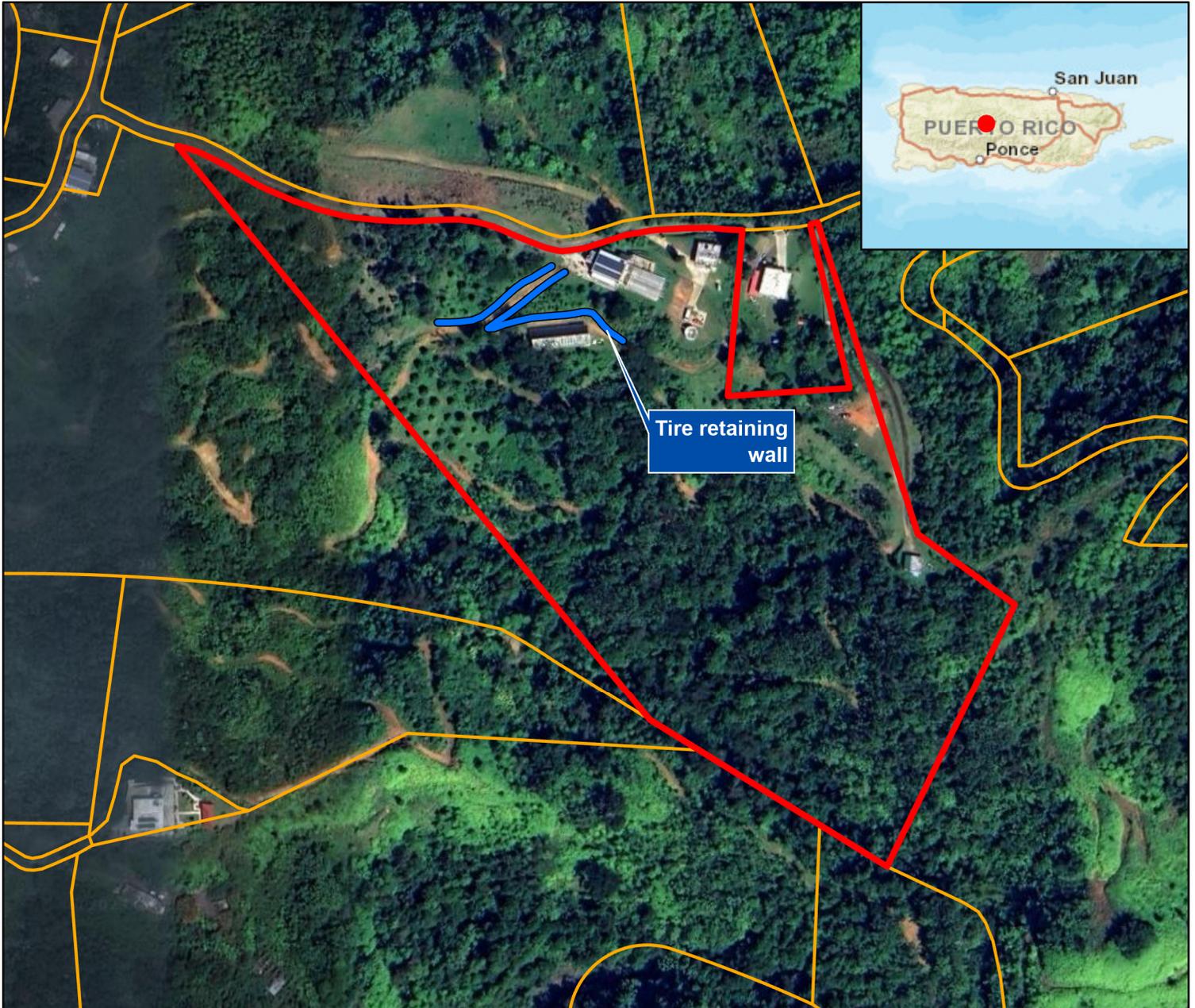
Certifying Officer Signature:  Date: December 21, 2023

Name/Title: Mónica M. Machuca Ríos / 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).

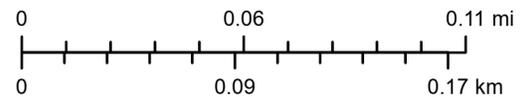
Figures

Figure 1
Location: Aerial Map
Puerto Rico Department of Housing ReGrow



Legend

-  PR-RGRW-00869
-  PR-RGRW-00869 Parcel
-  Tire retaining wall
-  CRIM Parcels



Service Layer Credits: World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Google Satellite: © OpenStreetMap (and) contributors, CC-BY-SA
World Street Map: Esri, HERE, Garmin, NGA, USGS and Google Earth



Source

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

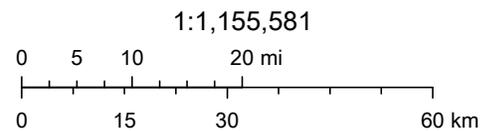
Figure 2 PR-RGRW-00869 Airports

Application ID: PR-RGRW-00869
 Amasar LLC
 Road #141 Km 11.7 (interior), Bo.
 Mameyes, Jayuya PR 00664
 Catastro: 190-000-010-89-000
 Lat: 18.255370, Lon: -66.570188



9/14/2023, 2:57:13 PM

- Accident Potential Zone
- Clear Zone
- APZ 1
- APZ 2
- USA Military Airports
- USA Civil Airports
- PR-RGRW-00869



Runway Protection Zones
Major Civil and Military Airports

Source

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



Figure 3

PR-RGRW-00869 CBRS

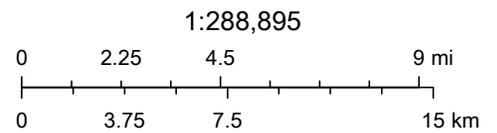


Application ID: PR-RGRW-00869
 Amasar LLC
 Road #141 Km 11.7 (interior), Bo.
 Mameyes, Jayuya PR 00664
 Catastro: 190-000-010-89-000
 Lat: 18.255370, Lon: -66.570188

9/14/2023, 3:15:09 PM

CBRS Units

- Otherwise Protected Area
- System Unit
- PR-RGRW-00869



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°34'31"W 18°15'37"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs

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
		Profile Baseline

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 9/14/2023 at 3:35 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-00869
 Amasar LLC
 Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya PR 00664
 Catastro: 190-000-010-89-000
 Lat: 18.255370, Lon: -66.570188

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

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



1:6,000

66°33'53"W 18°15'3"N

Basemap Imagery Source: USGS National Map 2023

Figure 4.1

PR-RGRW-00869 Flood Hazard

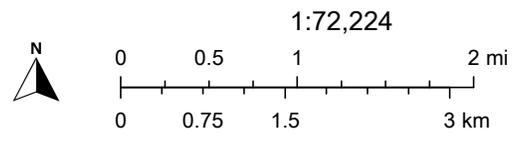
Application ID: PR-RGRW-00869
 Amasar LLC
 Road #141 Km 11.7 (interior), Bo.
 Mameyes, Jayuya PR 00664
 Catastro: 190-000-010-89-000
 Lat: 18.255370, Lon: -66.570188



9/14/2023, 3:31:36 PM

FEMA_FIRM - FEMA_FLOOD_HAZARD_AREAS

- Special Flood Hazard Areas
- Other Flood Areas
- Other Areas
- PR-RGRW-00869



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

Figure 5 PR-RGRW-00869 CZM

Application ID: PR-RGRW-00869
Amasar LLC
Road #141 Km 11.7 (interior), Bo.
Mameyes, Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188

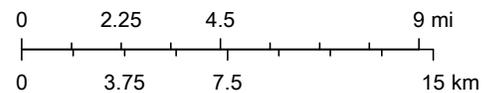


9/14/2023, 3:18:32 PM

 Override 1

 PR-RGRW-00869

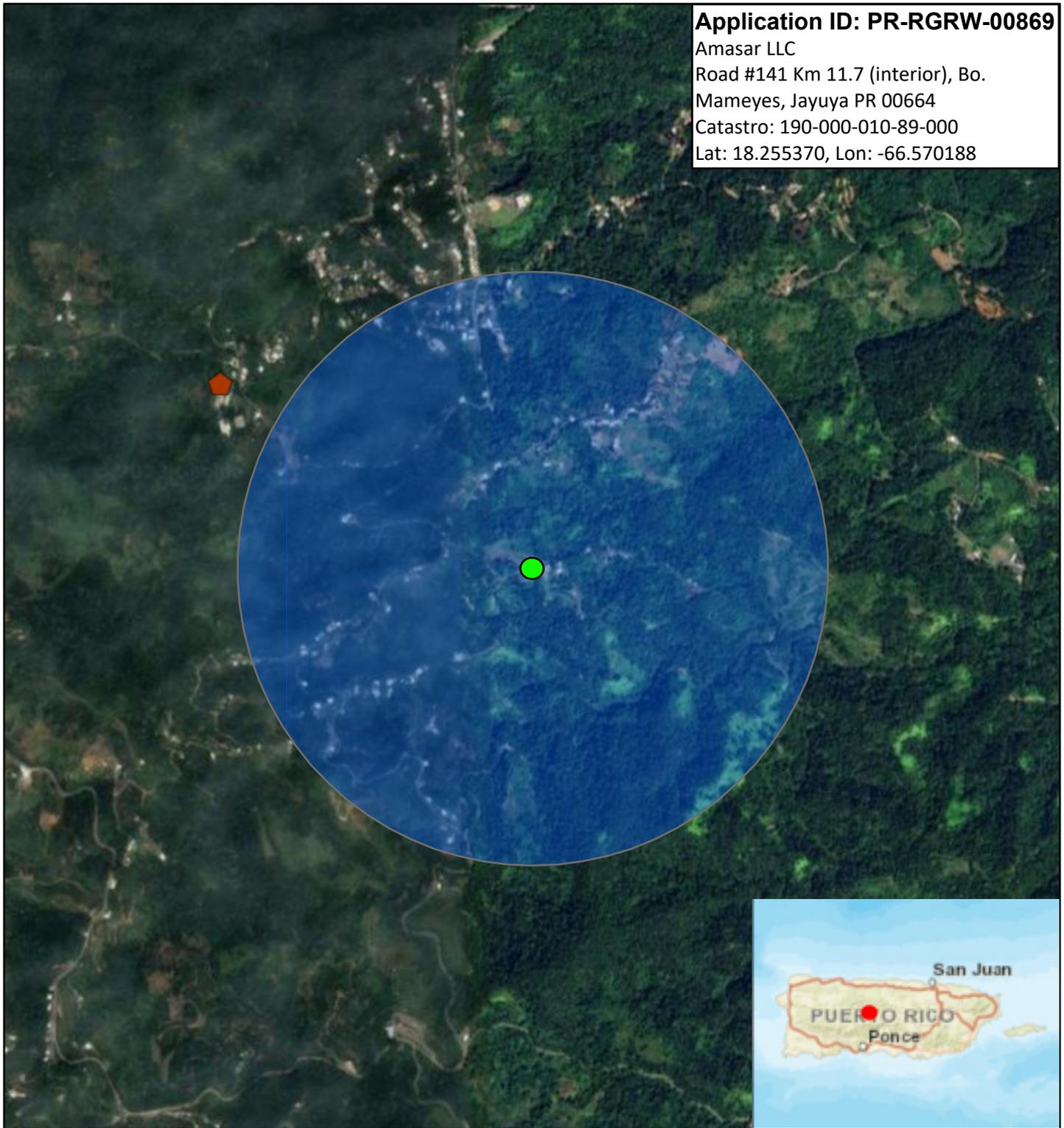
1:288,895



Source

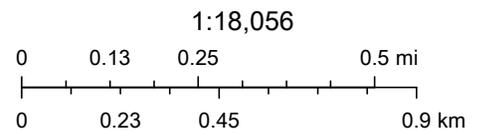
National Oceanic and Atmospheric Administration (NOAA)
NOAA Office for Coastal Management (NOAA/OCM)
<https://www.fisheries.noaa.gov/inport/item/53132>

Figure 6 PR-RGRW-00869 Toxic



9/15/2023, 9:24:43 AM

-  Buffer_of_00869_3000ft - BufferedFeatures
-  NPDES
-  PR-RGRW-00869

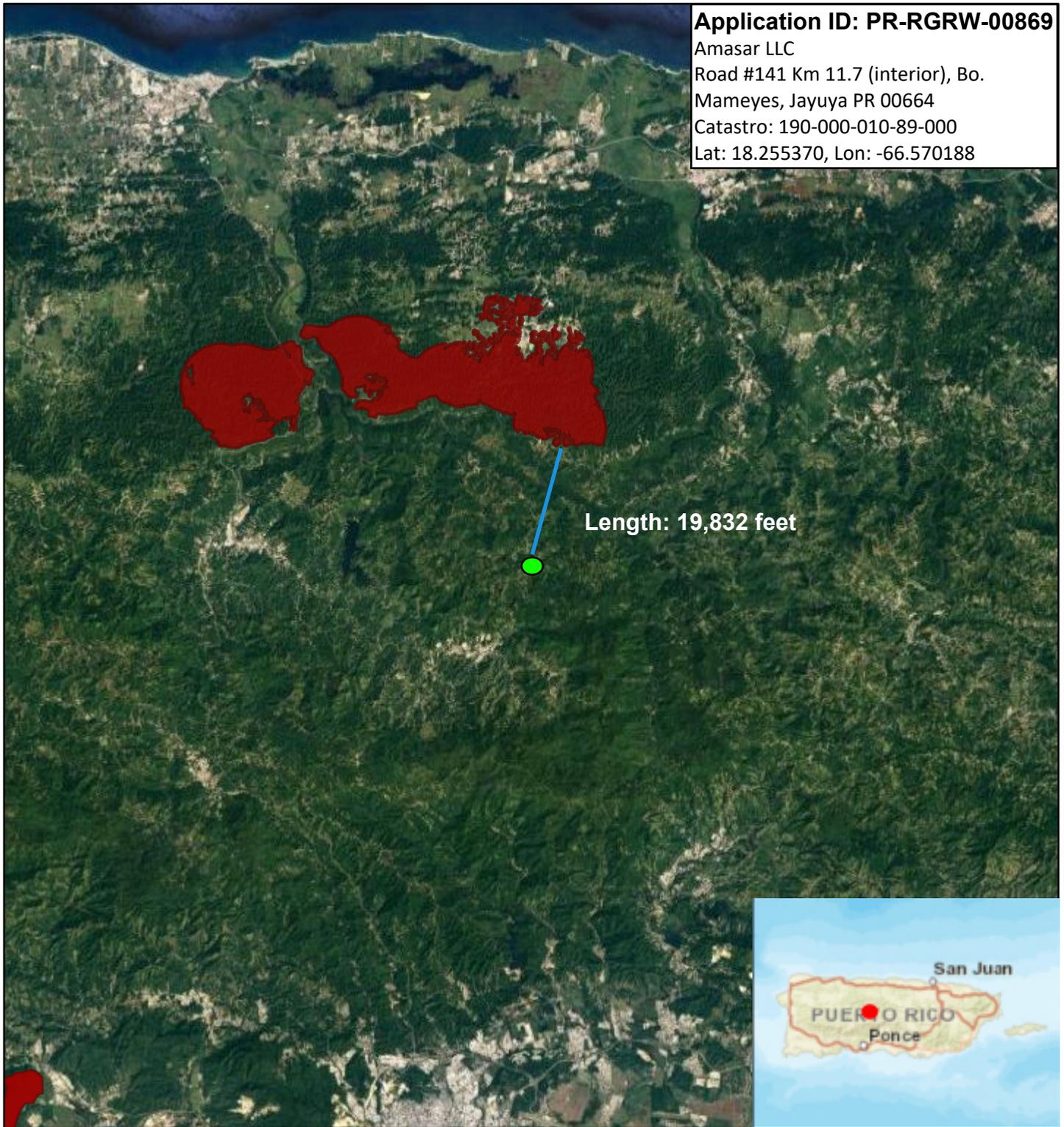


Source

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

Figure 7

PR-RGRW-00869 Endangered Species



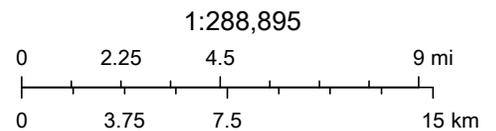
Application ID: PR-RGRW-00869
Amasar LLC
Road #141 Km 11.7 (interior), Bo.
Mameyes, Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188

Length: 19,832 feet

9/15/2023, 9:28:20 AM

Critical Habitat for Threatened & Endangered Species

-  Final
-  USFWS Critical Habitat - Final
-  PR-RGRW-00869



Source

National Oceanic and Atmospheric Administration (NOAA) ³
Office of Response and Restoration
<https://response.restoration.noaa.gov/>

Figure 8

PR-RGRW-00869 Farmland

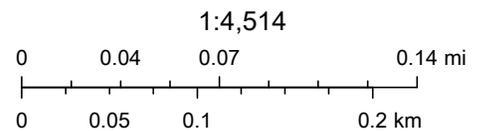


Application ID: PR-RGRW-00869
Amasar LLC
Road #141 Km 11.7 (interior), Bo. Mameyes,
Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188

9/15/2023, 9:44:11 AM

Farmland Protection

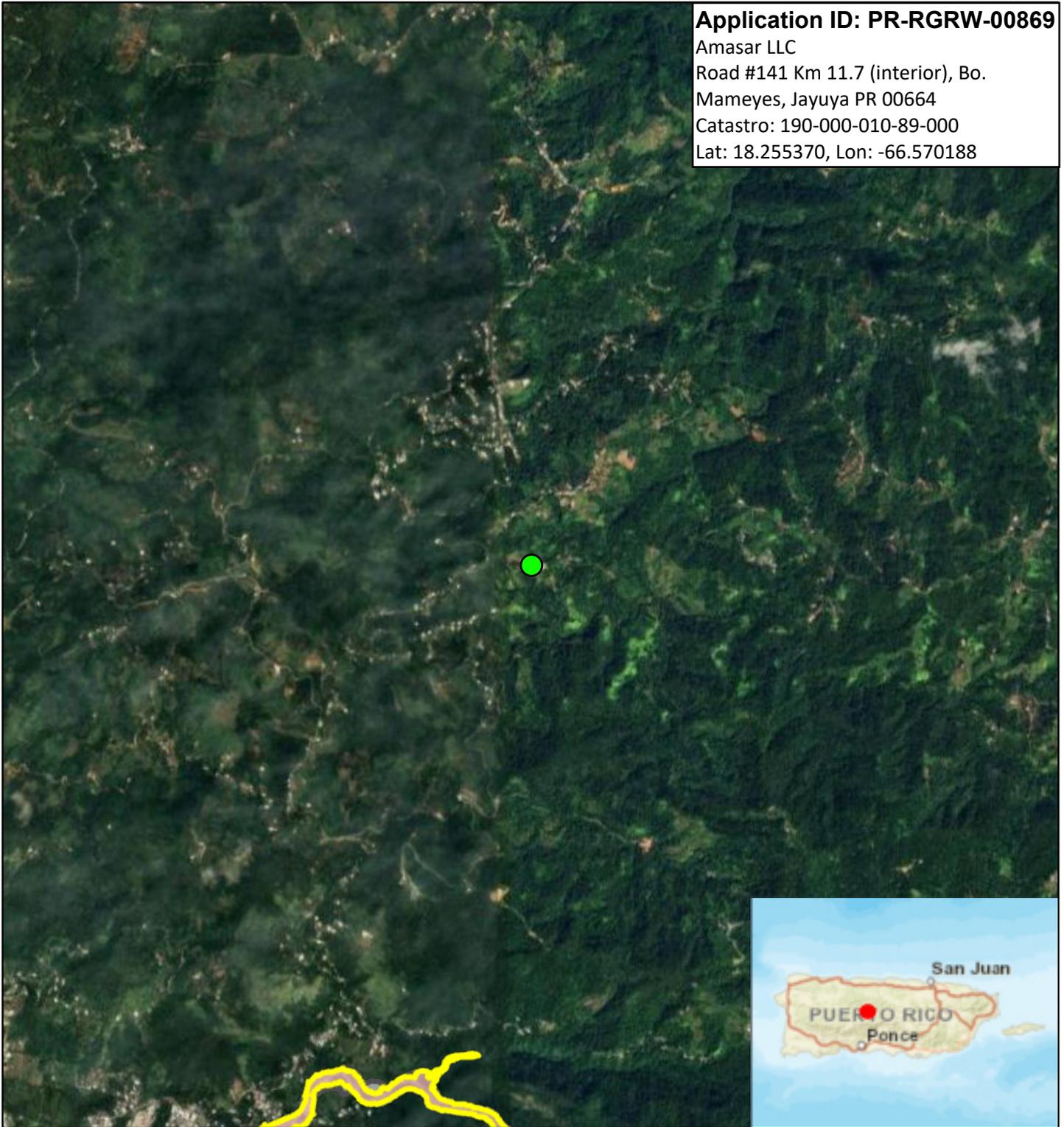
-  Farmland of statewide importance
-  Not prime farmland
-  PR-RGRW-00869



Source

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

Application ID: PR-RGRW-00869
Amasar LLC
Road #141 Km 11.7 (interior), Bo.
Mameyes, Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188



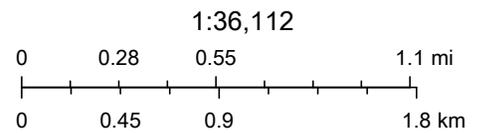
9/14/2023, 4:37:27 PM

Flood Hazard Zone

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

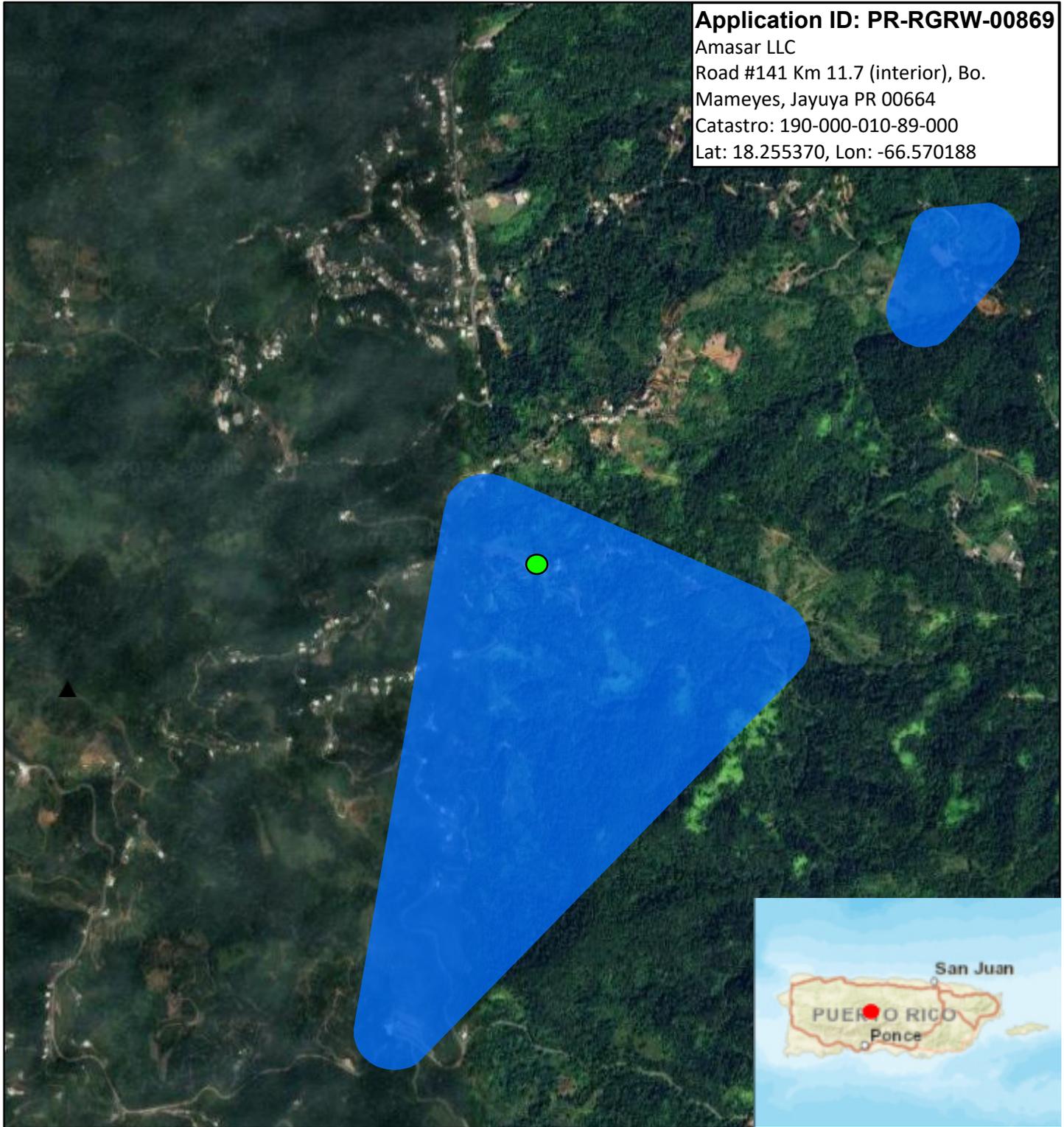
Flood Hazard Extent

- 1% Annual Chance Flood
- 0.2% Annual Chance Flood
- PR-RGRW-00869



Source

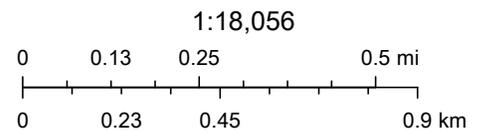
Federal Emergency Management Agency (FEMA)
FEMA's National Flood Hazard Layer
<https://www.fema.gov/flood-maps/national-flood-hazard-layer>



Application ID: PR-RGRW-00869
Amasar LLC
Road #141 Km 11.7 (interior), Bo.
Mameyes, Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188

9/15/2023, 9:54:38 AM

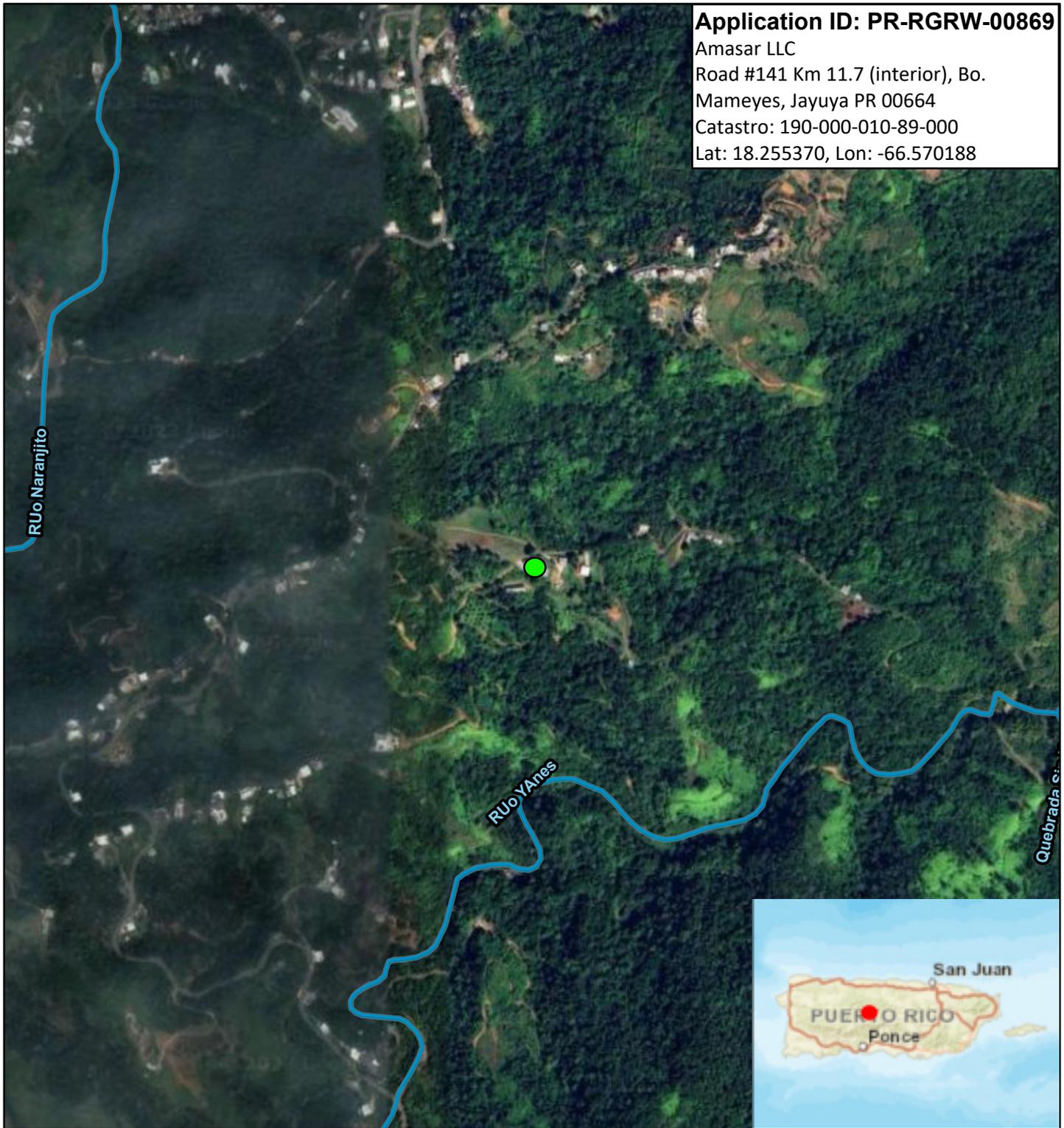
- ▲ Cultural_Resources - Scenic Places
- Cultural_Resources - Archeological Resources
- PR-RGRW-00869



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-00869 Wetlands

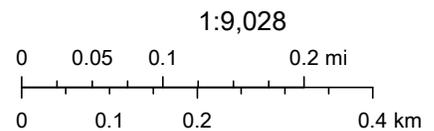


Application ID: PR-RGRW-00869
Amasar LLC
Road #141 Km 11.7 (interior), Bo.
Mameyes, Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188

9/15/2023, 9:58:27 AM

WETLANDS - National Wetlands Inventory

-  Riverine
-  Hidrografia - Oficina Plan de Agua
-  PR-RGRW-00869



Source

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

Figure 12

PR-RGRW-00869 Wild and Scenic River

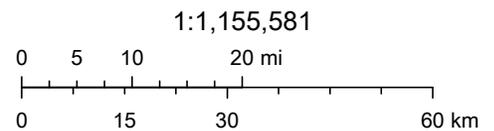
Application ID: PR-RGRW-00869
Amasar LLC
Road #141 Km 11.7 (interior), Bo.
Mameyes, Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188



9/15/2023, 10:06:17 AM

 National Wild and Scenic River Line

 PR-RGRW-00869



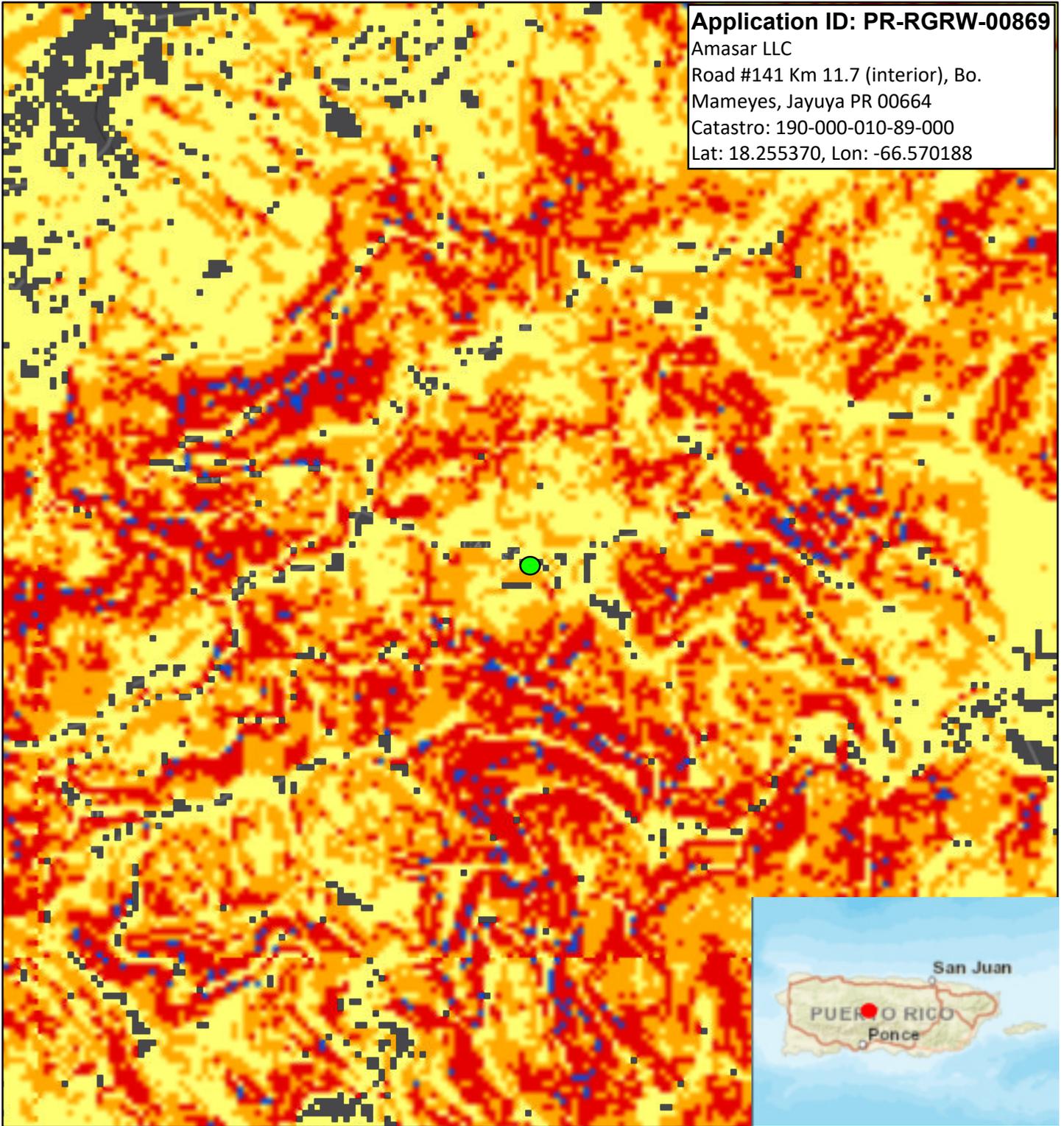
Source

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

Figure 13

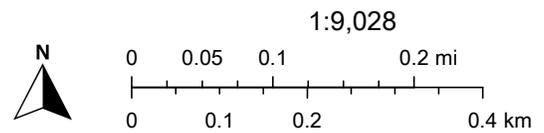
PR-RGRW-00869 Landslide

Application ID: PR-RGRW-00869
Amasar LLC
Road #141 Km 11.7 (interior), Bo.
Mameyes, Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188



15/9/2023, 10:12:37

- Landslide Susceptibility**
- Low
 - Moderate
 - High
 - Very High
 - Extremely High
- PR-RGRW-00869



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

June 22, 2023

Lauren Bair Poche

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

SHPO: 06-07-23-01 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, PR-RGRW-00869, AMASAR LLC., ROAD #141 KM 11.7 INT., BO. MAMEYES, JAYUYA, PUERTO RICO

Dear Ms. Poche,

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

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

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

Sincerely,

Carlos A. Rubio-Cancela
State Historic Preservation Officer

CARC/GMO/LGC



June 8, 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-00869 – Amasar LLC – Road #141 Km 11.7 (interior), Bo. Mameyes, 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 Amasar LLC at Road #141 KM 11.7 (interior) of Barrio Mameyes in the municipality of Jayuya. The proposed activities for PR-RGRW-00869 include the purchasing of a new milling machine to process breadfruit and movable storage racks. These new items will be housed in an existing structure on the property and connected to existing utility infrastructure. Erosion control infrastructure will be required adjacent to an existing greenhouse and along the farm road to mitigate severe erosion in these areas. The erosion control methodology consists of using a tire retaining wall, which will be stacked following the natural contour of the slope. Some ground preparation will be involved at the base of the slopes, including placing a layer of gravel to allow for water filtration.

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

Please contact me by email at lauren.poche@horne.com 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: Amasar LLC		
Case ID: PR-RGRW-00869	City: Jayuya	

Project Location: Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya, Puerto Rico, 00664	
Project Coordinates: 18.255663, -66.56994	
TPID (Número de Catastro): 190-000-010-89-000	
Type of Undertaking:	
<input checked="" type="checkbox"/> Substantial Repair/Improvements <input type="checkbox"/> New Construction	
Construction Date (AH est.): n/a	Property Size (acres): 17.6-acres

SOI-Qualified Architect/Architectural Historian: Lauren Bair Poche, M.A.
Date Reviewed: 6/7/2023
SOI-Qualified Archaeologist: Jennifer Ort, M.S., RPA
Date Reviewed: 5/31/2023

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 Amasar LLC consist of purchasing a new milling machine to process breadfruit and moveable storage racks. These new items will be housed in an existing structure on the property and connected to existing utility infrastructure. Erosion control infrastructure will be required adjacent to an existing greenhouse and along the farm road to mitigate severe erosion in these areas. The erosion control methodology consists of using a tire retaining wall, which will be stacked following the natural contour of the slope. Some ground preparation will be involved at the base of the slopes, including placing a layer of gravel to allow for water filtration. The tires will be placed in rows and filled with a mixture of gravel and soils brought in from local lumberyards. The project area is located at Road #141 Km 11.7 (interior), Bo. Mameyes, within the Municipality of Jayuya, at the northern end of a 17.6-acre parcel. Based on a review of historical aerial imagery, the general area was a rural residential setting from at least 1959 (the earliest imagery available for the area) through the present day.

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

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	
Applicant: Amasar LLC	
Case ID: PR-RGRW-00869	City: Jayuya

or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is the location of the erosion control mitigation areas and the building that will house the milling machine plus a 15-meter buffer. 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 two reported archaeological materials or significant cultural properties within a half-mile (mi) radius of the project location. Site JY0100019 (Petroglifo Mameyes Arriba I) is a pre-columbian petroglyph site located 0.13 miles (mi; 0.21 kilometers [km]) northwest of the project area. Site JY0200029 (Hacienda La Alianza) IS A 19TH to 20TH-Century Hacienda located 0.43 mi (0.7 km southwest of the project area. The proposed project is located in a rural mountainous area within the Mountainous Interior Physiographic Zone at an elevation of 2,241 feet (ft; 683.05 meters [m]) above modern sea level. Per the USGS/NRCS Web Soil Survey, the project area crossed one mapped soil series: Los Guineos clay, 20 to 40 percent slopes (LgE). The project area APE is located within an existing agricultural setting. The closest freshwater source is the Río Yunes, located 0.2 mi (0.33 km) south of the project area. The northern coast is approximately 15.5 mi (25 km) from the project area.

Identification of Historic Properties - Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is not within or adjacent to the boundaries of a National Register of Historic Places (NRHP)-eligible or listed historic district or Traditional Urban Center.

The proposed new milling machine will be installed within a ca. 2000 structure. A review of aerial imagery found the building to be present on 2004 imagery, but absent from 1994 imagery. The proposed equipment will be affixed and will be connected to existing utility infrastructure.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REgROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Amasar LLC	
Case ID: PR-RGRW-00869	City: Jayuya

Determination

The following historic properties have been identified within the APE:

- Direct Effect:
 - n/a
- Indirect Effect:
 - n/a

Based on the results of our historic property identification efforts, the Program has determined that project actions will not affect historic properties that compose the Area of Potential Effect. 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 two reported archaeological materials or significant cultural properties within a half-mile radius of the proposed project location. No known archaeological sites or NRHP listed/eligible historic properties are within or adjacent to the property or the parcel in which the Area of Potential Effect of case PR-RGRW-00869 is located. The closest freshwater body is 0.2 mi (0.33 km) south of the project area. The construction of public roads and agricultural infrastructure have 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	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Amasar LLC	
Case ID: PR-RGRW-00869	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):
- 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:

Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya

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



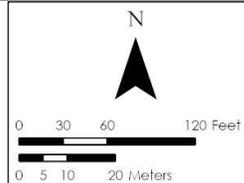
bing

Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya, Puerto Rico



Legend

-  PR-RGRW-00869
-  Location of Proposed Erosion Control
-  Area of Potential Effect
-  CRIM Parcel Boundary



Name: WGS 1984 Web Mercator Auxiliary Sphere Scale: 1:1,000



Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya

Project (Parcel) Location - Aerial Map

Historic Properties - Aerial Base

Puerto Rico Department of Housing

Re-Grow Program

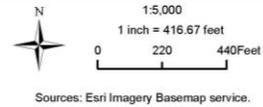
Application ID#: PR-RGRW-00869

Address: Road #141 Km 11.7 (Interior), Bo Mameyes, Jayuya, PR 00664

Latitude: 18.2546
Longitude: -66.5695



-  Applicant Parcel
-  Parcels
-  Historic Districts
-  Historic Communities
-  Traditional Urban Centers
-  Sitios Historicos JP
-  Zonas Historicas puntos
-  Zonas Historicas Limites





Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya

Project (Parcel) Location - USGS Topographic Map

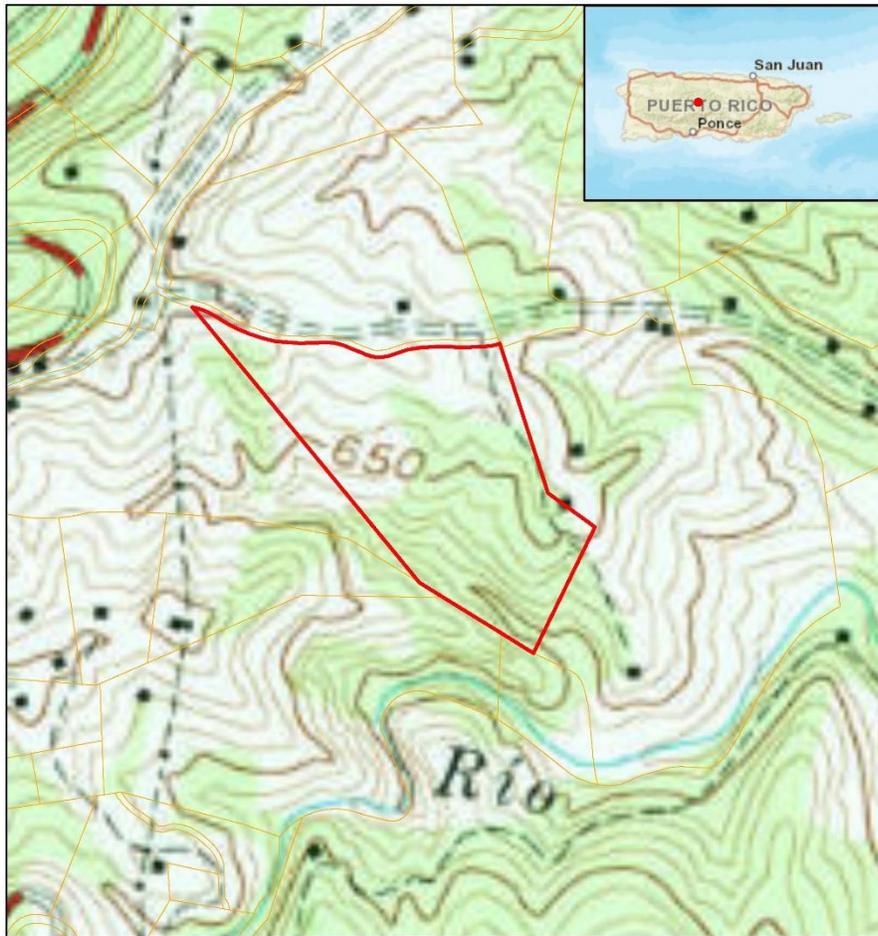
Historic Properties - Topographic Base
Puerto Rico Department of Housing
Re-Grow Program

Latitude: 18.2546
Longitude: -66.5695



Application ID#: PR-RGRW-00869

Address: Road #141 Km 11.7 (Interior), Bo Mameyes, Jayuya, PR 00664



Applicant Parcel	Sitios Historicos JP	 1:5,000 1 inch = 416.67 feet 0 225 490Feet Sources: Esri Imagery Basemap service.
Parcels	Zonas Historicas puntos	
Historic Districts	Zonas Historicas Limites	
Historic Communities		
Traditional Urban Centers		

Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya

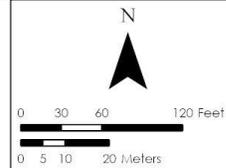
Project (Parcel) Location – Soils Map



Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya, Puerto Rico



- Legend
- PR-RGRW-00869
 - Location of Proposed Erosion Control
 - Area of Potential Effect
 - CRIM Parcel Boundary
 - NRCS Soil Units



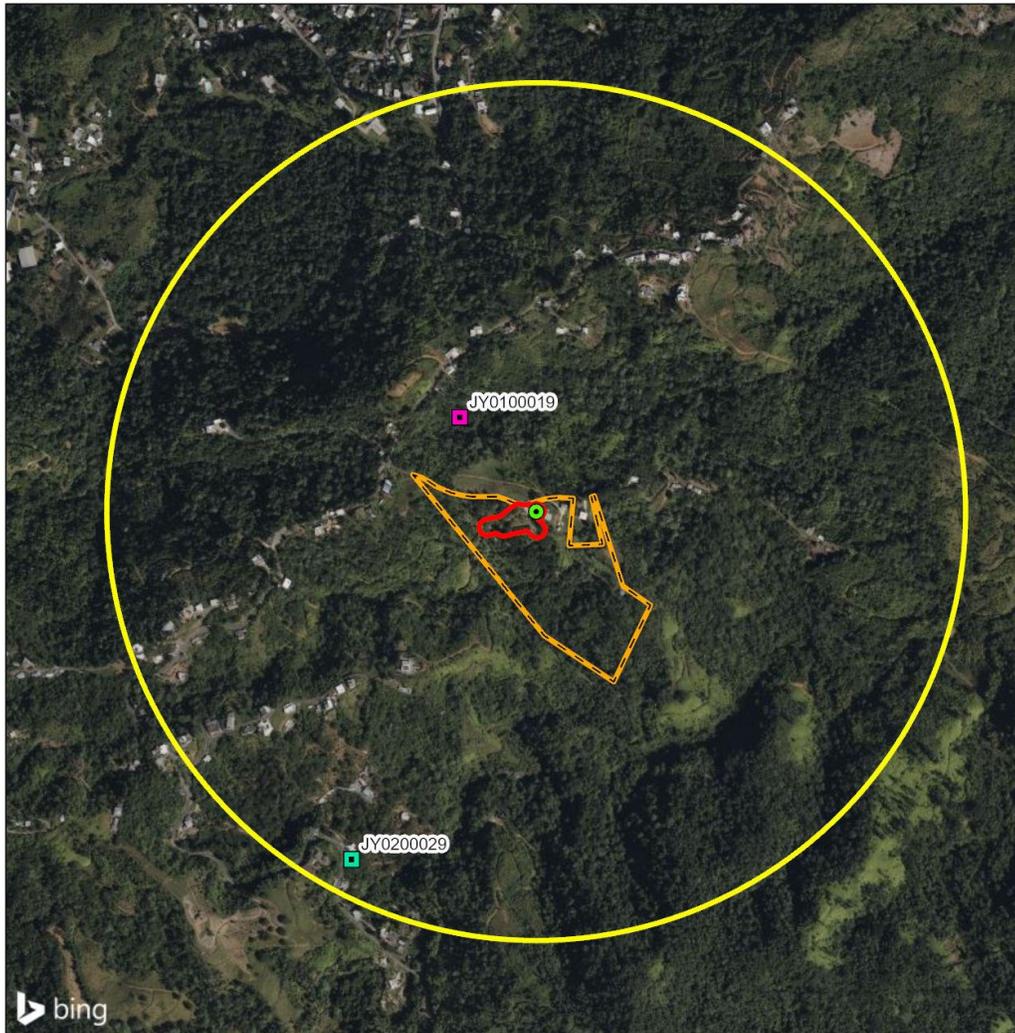
Name: WGS 1984 Web Mercator Auxiliary Sphere Scale: 1:1,000

Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya

Project (Parcel) Location with Previous Investigations - Aerial Map

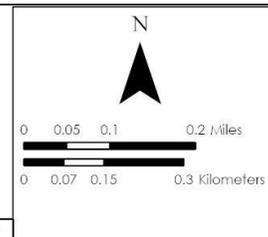


Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya, Puerto Rico



Legend

-  PR-RGRW-00869
-  Area of Potential Effect
-  CRIM Parcel Boundary
-  Half-Mile Buffer
-  Cultural Resource
-  Historic
-  Pre-Columbian



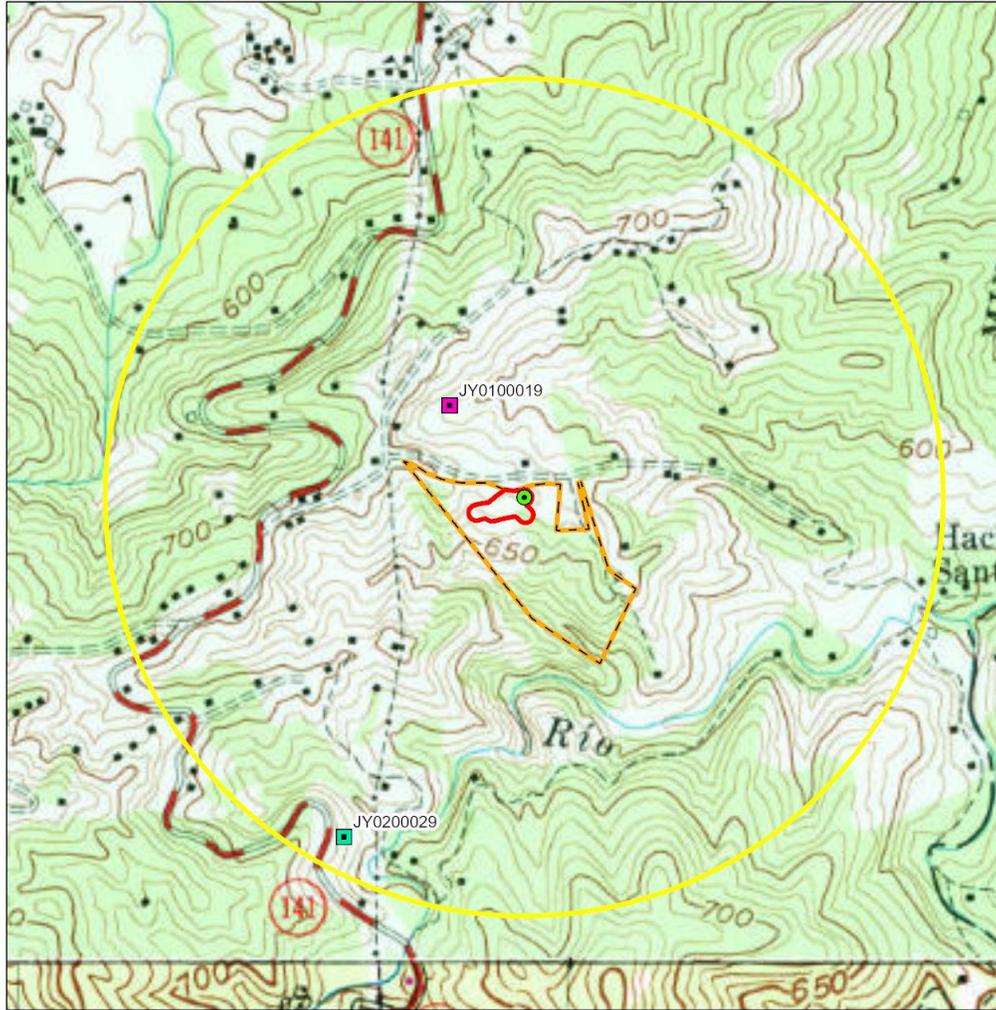
Name: WGS 1984 Web Mercator Auxiliary Sphere Scale: 1:9,000

Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya

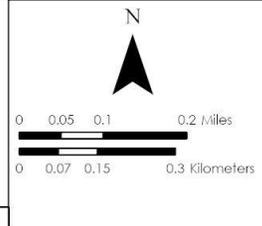
Project (Parcel) Location with Previously Recorded Cultural Resources USGS Topographic Map



Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya, Puerto Rico



- Legend
- PR-RGRW-00869
 - Area of Potential Effect
 - CRIM Parcel Boundary
 - Half-Mile Buffer
 - Cultural Resource
 - Historic
 - Pre-Columbian



Name: WGS 1984 Web Mercator Auxiliary Sphere Scale: 1:9,000

Applicant: Amasar LLC

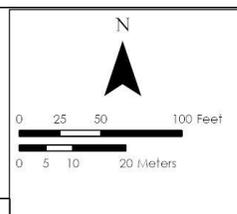
Case ID: PR-RGRW-00869

City: Jayuya

Photograph Key



Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya, Puerto Rico

	<p>Legend</p> <ul style="list-style-type: none">● PR-RGRW-00869- - - Location of Proposed Erosion Control▭ Area of Potential Effect▭ CRIM Parcel Boundary <p>Name: WGS 1984 Web / Mercator Auxiliary Sphere Scale: 1:800</p>	<p>N</p> 
---	--	--

Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya



Photo #: 1

Description (include direction): Proposed erosion mitigation area adjacent (left side of photo) to greenhouse area. Looking Northeast.

Date: 4/26/2023



Photo #: 2

Description (include direction): Close-up of erosion mitigation area adjacent (left side of photo) to greenhouse area. Looking Northeast.

Date: 4/26/2023

Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya



Photo #: 1

Description (include direction): Close-up of erosion mitigation area along road.

Date: 4/26/2023



Photo #: 2

Description (include direction): Example of the proposed erosion mitigation retaining wall.

Date: 4/26/2023

Applicant: Amasar LLC

Case ID: PR-RGRW-00869

City: Jayuya



Photo #: 1

Description (include direction): Interior of the existing structure showing the area where the proposed milling machine will be placed (outlets visible in the wall).

Date: 5/12/2023

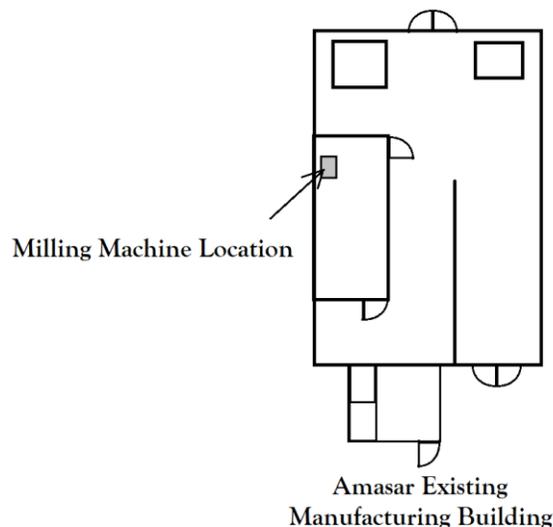


Photo #: 2

Description (include direction): Plan view of the existing structure showing the proposed location of the milling machine.

Date: 5/12/2023



October 20, 2022

Arch. Carlos A. Rubio Cancela

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

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

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

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

Cordially,

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

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

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

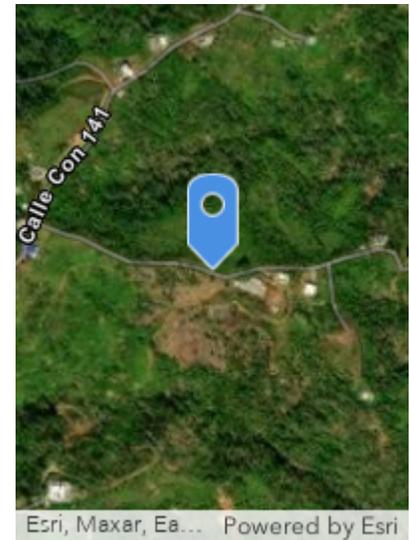
County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	11121314151617181920212223	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)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

Important Notes

Appendix 3

APPLICANT/LOCATION INFORMATION

Applicant ID:	PR-RGRW-00869
Applicant Name:	Amasar LLC
Parcel ID:	190-000-010-89-000
Latitude:	18.255835
Longitude:	-66.570331
Street Address:	Road #141 Km 11.7(interior) Bo. Mameyes
Municipio:	Jayuya
Zip Code:	00664
Site Inspector:	Egon Gonzalez
Date of Visit:	September 16, 2023
Time of Visit:	11:02
Building Type:	



FIELD OBSERVATIONS

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

Streetscape #1

Photo Direction:

Comments:



Streetscape #2

Photo Direction:

Comments:



Address

Photo Direction:

Comments:



Architectural Details 1

Photo Direction:

Photo Description: Amasar Facilities:
Pana :18.255672, -66.569929



Architectural Details 2

Photo Direction:

Photo Description: Rack Area



Architectural Details 3

Photo Direction:

Photo Description: Mill area



Architectural Details 4

Photo Direction:

Photo Description: Breadfruit propagation



Architectural Details 5

Photo Direction:

Photo Description: Erosion Control
Tires



Architectural Details 6

Photo Direction:

Photo Description: Erosion Control
Tires



Architectural Details 7

Photo Direction:

Photo Description: Erosion Prevention Control



Architectural Details 8

Photo Direction:

Photo Description: Water pipes being affected by erosion



Architectural Details 9

Photo Direction:

Photo Description: Water cistern



Architectural Details 10

Photo Direction:

Photo Description: Erosion control :
18.255452, -66.570201



Architectural Details 11

Photo Direction:

Photo Description: Electricity also provided by solar panels



Architectural Details 12

Photo Direction:

Photo Description:

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.08	N/A
Ozone (ppb)	N/A	N/A	N/A	61.6	N/A
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.0145	0.0667	11	0.261	0
Air Toxics Cancer Risk* (lifetime risk per million)	10	20	0	25	1
Air Toxics Respiratory HI*	0.1	0.19	0	0.31	1
Toxic Releases to Air	1,400	4,300	67	4,600	65
Traffic Proximity (daily traffic count/distance to road)	3.5	180	4	210	9
Lead Paint (% Pre-1960 Housing)	0.016	0.16	20	0.3	17
Superfund Proximity (site count/km distance)	0.082	0.15	51	0.13	60
RMP Facility Proximity (facility count/km distance)	0.055	0.47	6	0.43	12
Hazardous Waste Proximity (facility count/km distance)	0.23	0.76	40	1.9	38
Underground Storage Tanks (count/km ²)	0.052	1.7	0	3.9	25
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.051	2.3	68	22	78
SOCIOECONOMIC INDICATORS					
Demographic Index	85%	83%	40	35%	97
Supplemental Demographic Index	52%	43%	73	14%	99
People of Color	98%	96%	17	39%	95
Low Income	72%	70%	42	31%	94
Unemployment Rate	15%	15%	59	6%	91
Limited English Speaking Households	89%	67%	92	5%	99
Less Than High School Education	33%	21%	79	12%	93
Under Age 5	0%	4%	0	6%	0
Over Age 64	17%	22%	30	17%	56
Low Life Expectancy	N/A	N/A%	N/A	20%	N/A

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

Appendix 4



United States Department of the Interior

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



In Reply Refer to:
FWS/R4/CESFO/72073-Gen

Submitted Via Electronic Mail (jcperez@vivienda.pr.gov)

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

Re: CDBG-DR PR-RGRW-00869 Amasar, LLC,
Jayuya, Puerto Rico

Dear Mr. Pérez-Bofill

Thank you for your letter dated October 27, 2023, requesting comments on the above referenced project. As per your request, our comments are provided under the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

The Puerto Rico Department of Housing (PRDOH) on behalf of Amasar, LLC (the Applicant) is proposing the installation of tire retaining wall, which will be stacked following the natural contour of the slope. Some ground preparation will be involved at the base of the slopes, including placing a layer of gravel to allow for water filtration. The purchase of a new milling machine, STIHL pole pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, van and an UTV will be included as part of this project. The project will be located at PR-141, Km. 11.7 Int., Bo. Mameyes (18°15'20.4"N 66°34'11.6"W) in the municipality of Jayuya, Puerto Rico.

Using the Information for Planning and Consultation (IPaC) system the proponent has determined that the proposed project lies within the range of Puerto Rican boa (*Epicrates inornatus* now known as *Chilabothrus inornatus*), Puerto Rican parrot (*Amazona vittata*), Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*) and Puerto Rican harlequin butterfly (*Atlantea tulita*).

The Caribbean Determination Key (DKey) in the U.S. Fish and Wildlife Service's (the Service) online IPaC application was used (project code: 2024-0004082) to evaluate the potential impacts to federally listed species for this project. Based on the answers provided, a consistency letter was obtained for the Puerto Rican boa which determined that the proposed actions for this project would have no effect (NE) on this specie. As for the Puerto Rican harlequin butterfly, Puerto Rican parrot and Puerto Rican broad-winged hawk a consultation is required.

Based on the nature of the project, scope of work, information available, and analysis of the IPaC lists together with field direct observations (conducted on 09/16/2023) of the area where the project will be developed, the proponent has determined that the proposed project may affect, but is not likely to adversely affect (NLAA) the Puerto Rican harlequin butterfly since its critical habitat is approximately 19,832 feet from the proposed tire retaining wall. As for the Rican broad-winged hawk and Puerto Rican parrot a NLAA determination was made since the land is currently used for agricultural purposes.

We have reviewed the information provided in your letter and our files and concur with your determination that the proposed actions may affect but are not likely to adversely affect the Puerto Rican broad-winged hawk, Puerto Rican parrot and Puerto Rican harlequin butterfly. Also, the Service acknowledge receipt of the NE DKey consistency letter for the Puerto Rican boa.

Please be aware that the Puerto Rican harlequin butterfly measures were amended to clarify how they are appropriately applied. Therefore, the Service recommends the applicant to adopt the implementation of the below updated conservation measures for the proposed actions.

1. The contractor must inform all personnel about the potential presence of the Puerto Rican harlequin butterfly or its occupied host plant “prickly bush” (*Oplonia spinosa*) in the project areas. A pre-work meeting should inform all project personnel about the need to avoid harming this butterfly and its occupied host plant. Educational material (e.g., posters, flyers or signs with photos or illustrations of all the life stages of the Puerto Rican harlequin butterfly (i.e., eggs, caterpillar, chrysalids and adult, and its host plant) should be prepared and available to all personnel for reference.
2. Before starting any project activity, including removal of vegetation and earth movement, the contractor must clearly delineate the boundaries of the working area in the field to avoid unnecessary habitat impacts. Once the project areas are clearly marked, and before any work activity, including site preparation, personnel with knowledge and ability to identify the Puerto Rican harlequin butterfly (all life stages) and the “prickly bush” must survey the areas where the work will be performed for the presence of the species and its host plant. It is important to note that the Puerto Rican harlequin butterfly can be observed year-round in all its life stages; thus, oviposition (egg-laying) may occur at any time during the year.
3. If the “prickly bush” is present on the project site, try to avoid cutting it off, even if no eggs, caterpillars, or chrysalids are present.
4. If there is no prickly bush within the project area, and the butterfly is observed flying within the project area, do not harass, harm, pursue, wound, kill, trap, capture, collect, or attempt to engage in any such conduct, the species.
5. Adult butterflies are often observed flying near the host plant as part of their mating behavior and laying eggs. Project-related activities must stop if the prickly bush is found in the project area and the Puerto Rican harlequin butterfly is observed flying in that same area. A temporary 50-meter (164 feet) buffer zone of no activity or human disturbance should be established and clearly marked around that prickly bush until the butterfly moves out on its own.
6. Once the Puerto Rican harlequin butterfly has moved away, within a period of 24 to 36 hours, a search of the prickly bush that has been buffered should be conducted to determine the presence of any eggs, caterpillars, or chrysalids of the butterfly on the plant. The contractor or the Applicant should send a report of the observation and its findings to caribbean_es@fws.gov after the 36-hour search is concluded.
7. If, after the initial search or after the 24 to 36-hour search, any life stage of the Puerto Rican harlequin butterfly is found in the prickly bush, take the following actions:
 - Clearly mark the host plant with flagging tape.

- Establish a 10-meter (32-foot) buffer zone around the bush to protect it.
 - Eggs are typically found on the prickly bush's newly grown, tender branches. Once an egg hatches, the caterpillar moves and feeds throughout the bush. Therefore, avoid cutting off the prickly bush within the project site even if no eggs, caterpillars, or chrysalids are present.
 - Work within the 10-meter buffered area may resume when no signs of any live life stage of the butterfly are detected, which usually takes approximately 60 to 120 days.
8. For all Puerto Rican harlequin butterfly sightings (all life stages), the time and date of the sighting and the specific location where the butterfly was found must be recorded. Data should also include a photo of the butterfly (if possible) and the habitat where it was observed, site GPS coordinates, and comments on how the butterfly was detected and its behavior. All Puerto Rican harlequin butterfly sighting reports should be sent to the USFWS Caribbean Ecological Service Field Office at caribbean_es@fws.gov.
9. For questions regarding the Puerto Rican harlequin butterfly, the Point of Contacts are:
- José Cruz-Burgos, Endangered Species Coordinator:
- Mobile: 305-304-1386
 - Office phone: 786-244-0081
 - Office Direct Line: 939-320-3120
 - Email: jose_cruz-burgos@fws.gov
- Carlos Pacheco, Fish and Wildlife Biologist:
- Mobile: 786-847-5951
 - Office Direct Line: 939-320-3113
 - Email: carlos_pacheco@fws.gov

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

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

Sincerely yours,

For Edwin E. Muñiz
Field Supervisor

drr



October 27, 2023

Mr. Edwin Muñiz
Field Supervisor
Fish and Wildlife Service
Caribbean Ecological Services Field Office
PO Box 491
Boqueron, PR 00622
Email: caribbean_es@fws.gov; edwin_muniz@fws.gov

RE: Puerto Rico Department of Housing Re-Grow PR-RGRW-00869 Project – Amasar LLC – Endangered Species Evaluation

Dear Mr. Muniz:

The Puerto Rico Department of Housing (PRDOH) is requesting an informal consultation under Section 7 (a)(2) of the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.) for the proposed project PR-RGRW-00869, located on PR-141 Road Km 11.7 Interior, Bo. Mameyes, Jayuya PR 00664; coordinates 18.255663, -66.5699 (Appendix A: Figures 1 & 2).

The project is part of the Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) that aims to increase agricultural capacity while promoting and increasing food security inland wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities.

The proposed activities for PR-RGRW-00869 consist of the purchase of a new milling machine, STIHL pole pruner, covering crop, erosion prevention crop, trimmer, HR and Temp control, back blower, storage rack, van, UTV and Land Erosion Control PRAC (Tires) (EA). These new items will be housed in an existing structure on the property and connected to existing utility infrastructure. The project also includes erosion control infrastructure that will be installed adjacent to an existing greenhouse and along the farm road to mitigate severe erosion in these areas. The erosion control methodology consists of using a tire retaining wall, which will be stacked following the natural contour of the slope. Some ground preparation will be involved at the base of the slopes, including placing a layer of gravel to allow for water filtration. The tires will be placed in rows and filled with a mixture of gravel and soils brought in from local lumberyards. The project area

is located at PR-141 Road Km 11.7 Interior, Bo. Mameyes, within the Municipality of Jayuya, at the northern end of a 17.6-acre parcel. Based on a review of historical aerial imagery, the general area was a rural residential setting from at least 1959 (the earliest imagery available for the area) through the present day.

The Area of Potential Effect (APE) has been defined as the area potentially impacted by ground disturbing activities related to the installation of the erosion control mitigation areas and the building that will house the milling machine, see Appendix A: Figure 3.

Existing Conditions and Trends:

The proposed project parcel 190-000-010-89-000 is designated as Farmland of statewide importance, see Appendix A: Figure 4. The existing area for the proposed tire retaining wall will be to the northwest of an existing greenhouse and southwest to an existing structure where the milling machine will be placed, refer to Appendix C. The proposed project is located in a rural mountainous area and surrounded by several slopes. The surface is mostly exposed and is used for agricultural purposes. Therefore, there is no change in land use associated with these placements. In addition, the closer Final Critical Habitat is located at 19,832 feet from the project location, see Appendix A: Figure 5.

Using the Information for Planning and Consultation (IPaC) system (Appendix 2), we have determined that the proposed project lies within the range of the following federally listed species and critical habitats:

Name of species	Threatened/Endangered/Candidate
Reptiles	
Puerto Rican boa (<i>Chilabothrus inornatus</i>)	Endangered
Birds	
Puerto Rican parrot (<i>Amazona vittata</i>)	Endangered
Puerto Rican broad-winged hawk (<i>Buteo platypterus brunnescens</i>)	Endangered
Insects	
Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</i>)	Threatened
Critical Habitat	
There are no critical habitats within the project area.	

Based on the nature of the project, scope of work, information available, a careful analysis of the IPaC, the Puerto Rico Boa conservation measures, the Caribbean Dkey

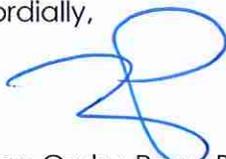
dated October 12, 2023, in the US Fish and Wildlife Service's online IPaC application, and the observations during the field visit, were used to evaluate the potential impacts to federally listed species from this project. Based on that information and the answer inputted into the Dkey, it was determined that the proposed action will have "No Effect" determination on the Puerto Rican Boa, and a "Not likely Adversely Affect" on the Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*), Puerto Rican parrot (*Amazona vittata*), and the Puerto Rican Harlequin Butterfly (*Atlantea tulita*), see Appendix 2.

Name of the species	Effect Determination	Conservation Measures that will be implemented
Puerto Rican boa (<i>Chilabothrus inornatus</i>)	No Effect (NE)	USFWS Puerto Rico Boa Conservation Measures 2020
Puerto Rican broad-winged hawk (<i>Buteo platypterus brunnescens</i>)	Not likely to adversely affect (NLAA)	No Conservation Measures
Puerto Rican parrot (<i>Amazona vittata</i>)	Not likely to adversely affect (NLAA)	No Conservation Measures
Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</i>)	Not likely to adversely affect (NLAA)	No Conservation Measures
Critical Habitats		
There are no critical habitats within the project area.		

In order to complete the informal consultation process, we are requesting your concurrence for the NLAA determination included in this letter. Attached to this letter, we are including the documents used to reach our effect determinations for the listed species. Should you require any additional information, please do not hesitate to contact us at the information below.

Thank you in advance for your consideration of this issue.

Cordially,



Juan Carlos Perez Bofill, PE, MEng.
 Director for Disaster Recovery, CDBG-DR Program
environmentcdbg@vivienda.pr.gov | 787.274.2527 ext. 4320

Attachments:

Appendix A:

- Figure 1 – Location Site Map
- Figure 2 – Topographic Map
- Figure 3 – Area of Potential Effect Map
- Figure 4 – Farmland Protection Map
- Figure 5 – Critical Habitats Map

Appendix B: Information for Planning and Consultation (IPaC)

Appendix C: Field Visit Photos

C: Angel G. López-Guzmán, MSEM
Deputy Director
Permits and Environmental Compliance Division

Literature Cited:

Puerto Rican boa (*Chilabothrus inornatus*)

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

USFWS Puerto Rican boa Conservation Measures

Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*)

Species Profile for Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*) (fws.gov)

Puerto Rican parrot (*Amazona vittata*)

Species Profile for Puerto Rican parrot (*Amazona vittata*) (fws.gov)

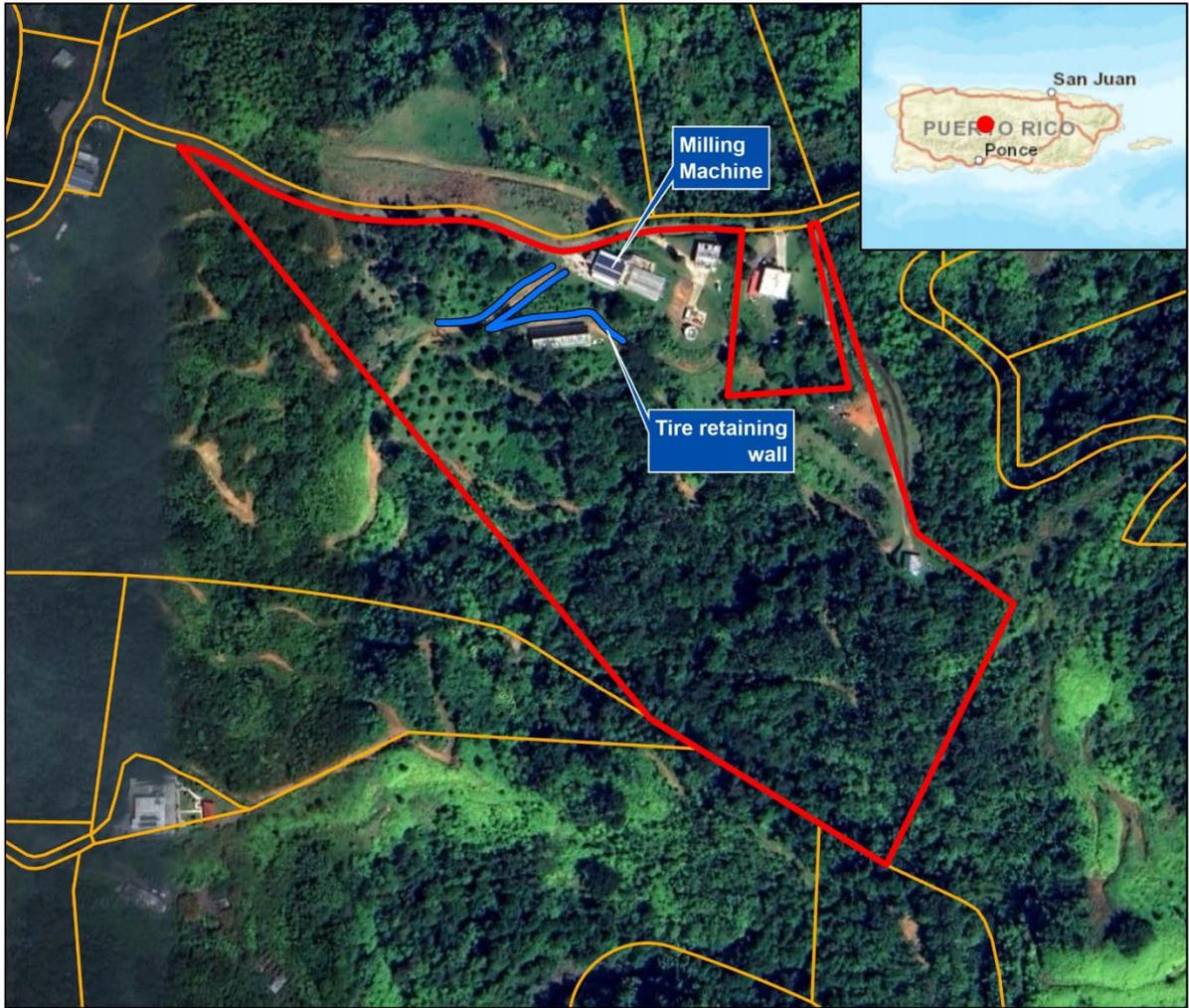
Puerto Rican Harlequin Butterfly (*Atlantea tulita*)

Species Profile for Puerto Rican harlequin butterfly (*Atlantea tulita*) (fws.gov)

Appendix A: Figures

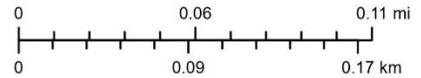
Location: Aerial Map
 Puerto Rico Department of Housing ReGrow

Amasar LLC
 Road #141 Km 11.7 (interior)
 Bo. Mameyes
 Jayuya PR 00664
 Catastro: 190-000-010-89-000
 Lat: 18.255370, Lon: -66.570188



Legend

- PR-RGRW-00869
- PR-RGRW-00869 Parcel
- Tire retaining wall
- CRIM Parcels



Service Layer Credits: World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Google Satellite: © OpenStreetMap (and) contributors, CC-BY-SA
 World Street Map: Esri, HERE, Garmin, NGA, USGS and Google Earth



Source

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

Figure 1: PR-RGRW-00869 Location Map

Location: USGS Topographic Map

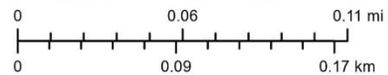
Puerto Rico Department of Housing ReGrow

Amasar LLC
Road #141 Km 11.7 (interior)
Bo. Mameyes
Jayuya PR 00664
Catastro: 190-000-010-89-000
Lat: 18.255370, Lon: -66.570188



Legend

- PR-RGRW-00869
- ▬ PR-RGRW-00869 Parcel
- ▬ Tire retaining wall



Service Layer Credits: World Street Map: Esri, HERE, Garmin, NGA, USGS



Contour Interval 20 Feet

Source

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

Figure 2: PR-RGRW-00869 Topographic Map

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

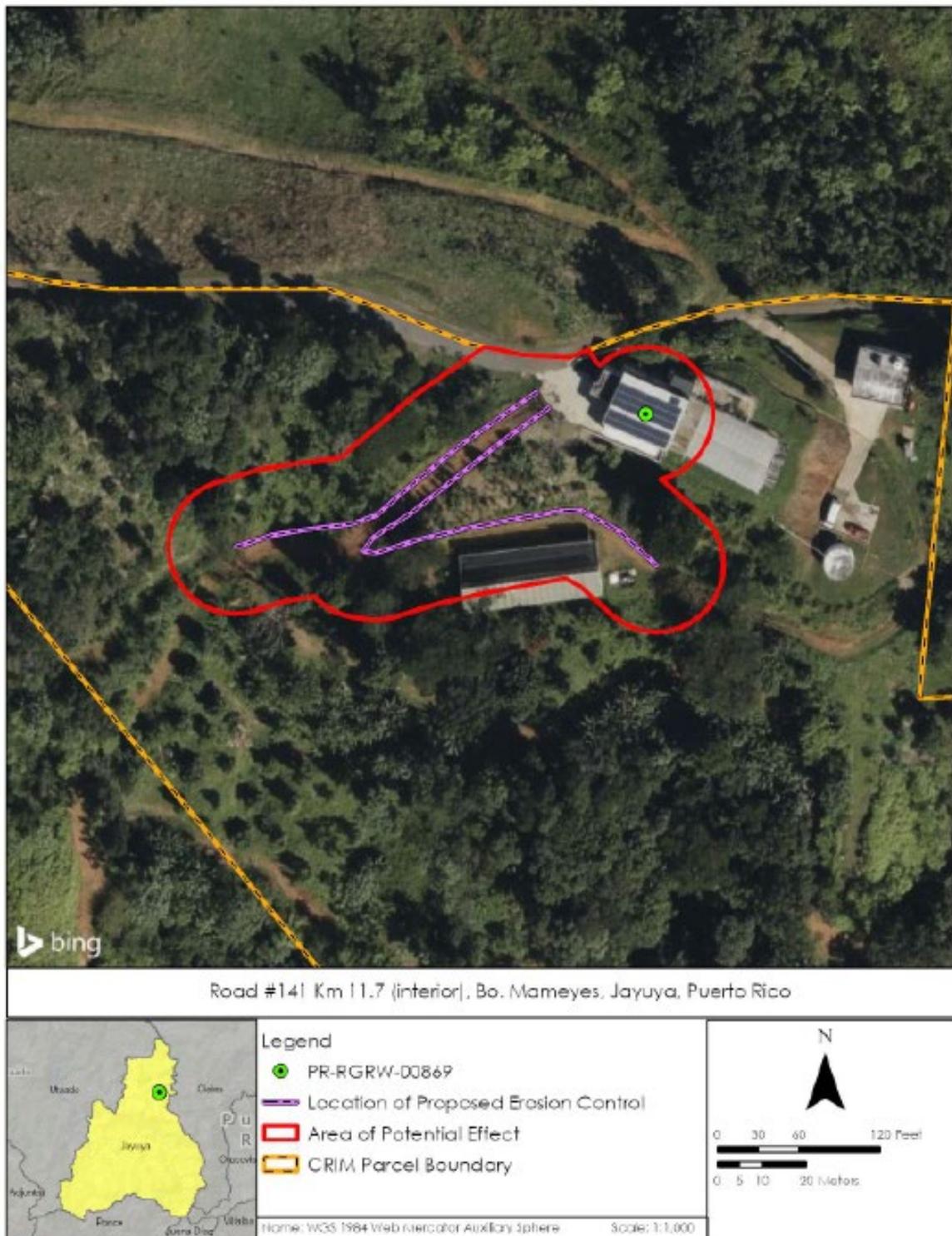
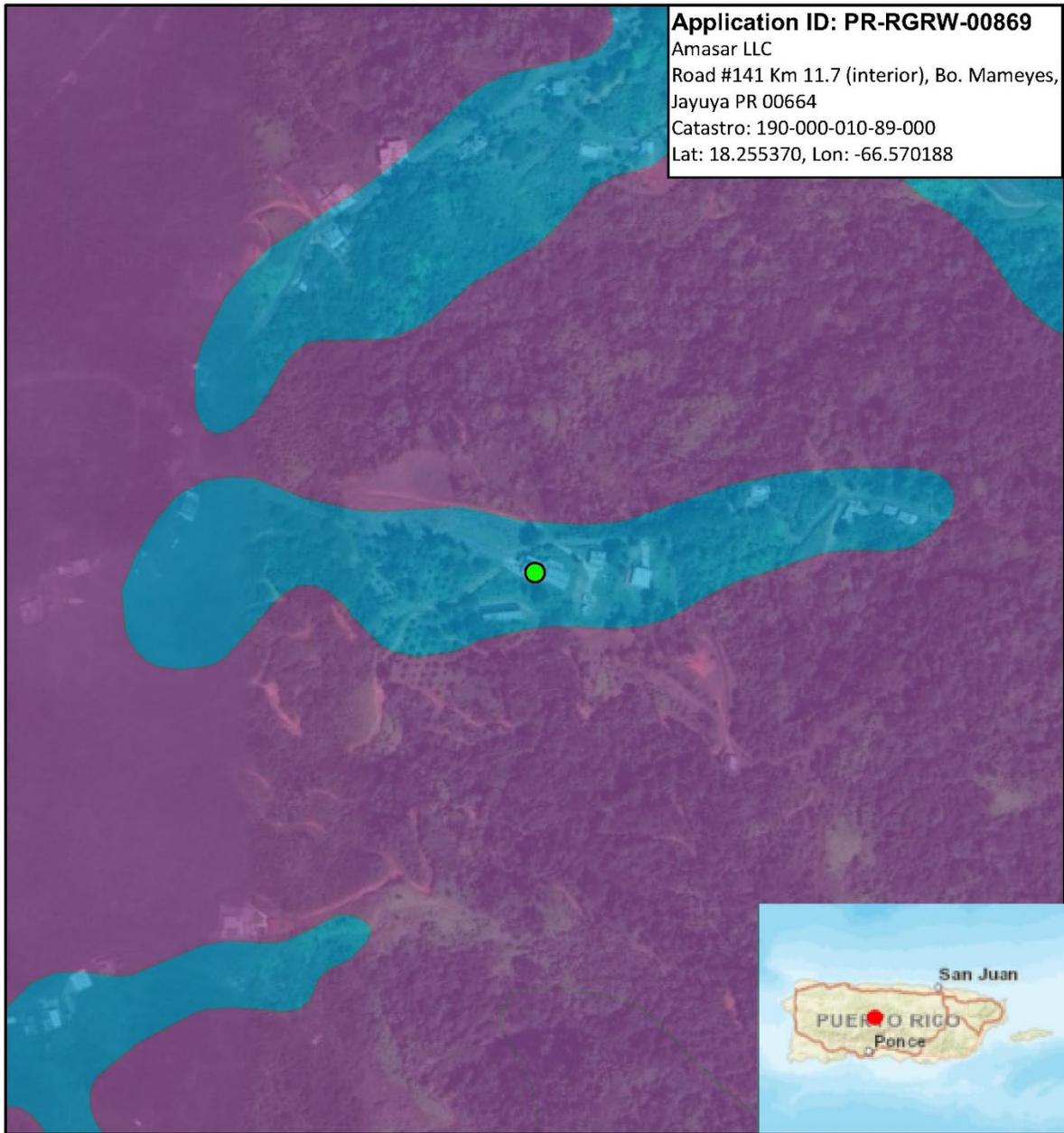


Figure 3: PR-RGRW-00869 Area of Potential Effect Map



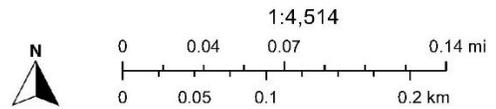
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Farmland Protection

 Farmland of statewide importance

 Not prime farmland

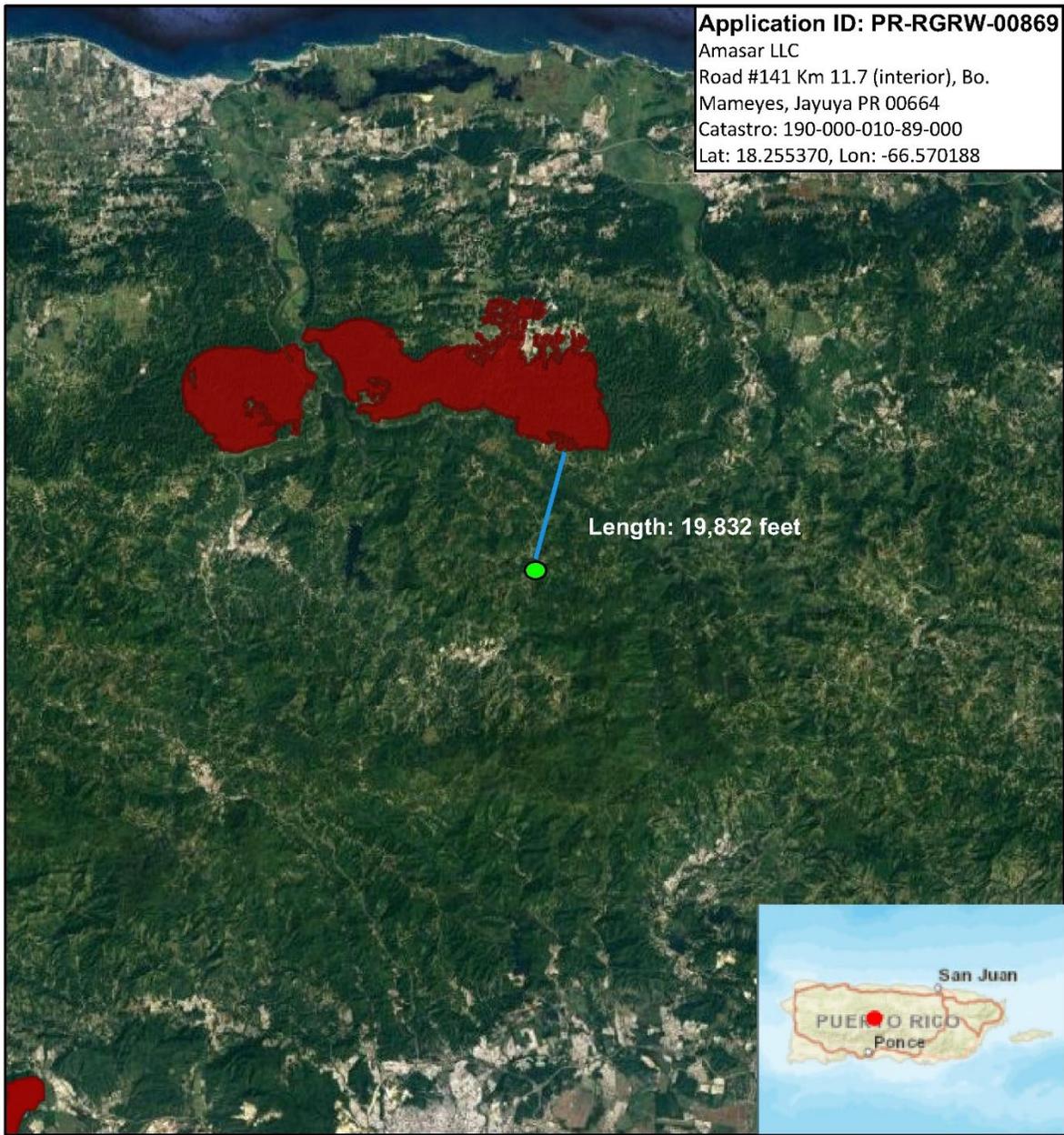
 PR-RGRW-00869



Source

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

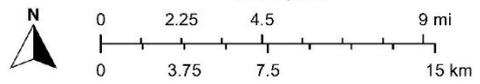
Figure 4: PR-RGRW-00869 Farmland Protection Map



9/15/2023, 9:28:20 AM

Critical Habitat for Threatened & Endangered Species

- Final
- USFWS Critical Habitat - Final
- PR-RGRW-00869



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

Figure 5: PR-RGRW-00869 Critical Habitats Map

Appendix B: Information for Planning and Consultation (IPaC)



United States Department of the Interior



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

In Reply Refer To:
Project Code: 2024-0004082
Project Name: PR-RGRW-00869

October 12, 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
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

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

This species list is provided by:

Caribbean Ecological Services Field Office

Post Office Box 491

Boqueron, PR 00622-0491

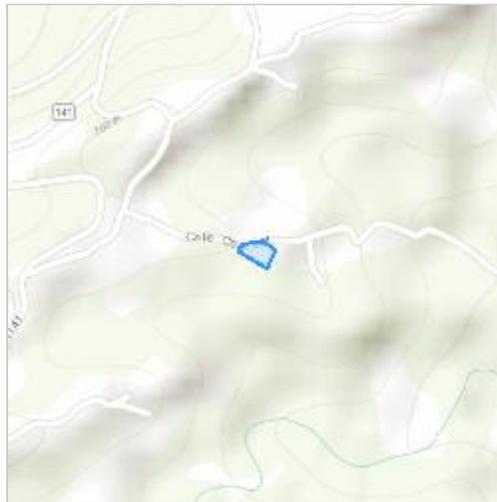
(787) 834-1600

PROJECT SUMMARY

Project Code: 2024-0004082
Project Name: PR-RGRW-00869
Project Type: Restoration / Enhancement - Agricultural
Project Description: Road #141 Km 11.7 (interior), Bo. Mameyes, Jayuya PR, 00664
latitude 18.255663, longitude -66.56994
Parcel cadastral # 190-000-010-89-000

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.255607400000002,-66.56986005356401,14z>



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.

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

BIRDS

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

REPTILES

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6628 General project design guidelines: https://ipac.ecosphere.fws.gov/project/3QVHBBM4CNBORPEH7HE6JGC2UU/documents/generated/6941.pdf	Endangered

INSECTS

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

CRITICAL HABITATS

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

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

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

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

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

BALD & GOLDEN EAGLES

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

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

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

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

MIGRATORY BIRDS

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

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

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

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

WETLANDS

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

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

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

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.



United States Department of the Interior



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

In Reply Refer To:
Project code: 2024-0003906
Project Name: PR-RGRW-03946

October 11, 2023

Subject: Consistency letter for the project named 'PR-RGRW-03946' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On October 11, 2023, Yazmin Acevedo used the Caribbean DKey; dated September 28, 2023, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-RGRW-03946'. The project is located in Morovis County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.27443915,-66.40496545193287,14z>



The following description was provided for the project 'PR-RGRW-03946':

ReGRow Program
 FWS Consultation
 Zoemma Inc.
 Carr 155 Km. 35.5 Bo Percha Morovis, PR 00687

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

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

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

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

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

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

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

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

Action Description

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

1. Name

PR-RGRW-03946

2. Description

The following description was provided for the project 'PR-RGRW-03946':

ReGRow Program
FWS Consultation
Zoemma Inc.
Carr 155 Km. 35.5 Bo Percha Morovis, PR 00687

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.27443915,-66.40496545193287,14z>



QUALIFICATION INTERVIEW

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

No

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

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

No

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

No

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

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

No

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

No

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

No

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

No

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

No

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

Yes

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

Automatically answered

Yes

Appendix C: Field Visit Photos



Photo #: 1

Date: September 16, 2023

Description (include direction): Area where the erosion control tires will be laced, looking east.



Photo #: 2

Date: September 16, 2023

Description (include direction): Area where the erosion control tires will be laced, looking west.