

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-00368

Project Name: Heriberto Martínez Méndez

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico/Las Marias, PR

Preparer: Clifford Jarman

Certifying Officer Name and Title: Permit and Compliance Officers: Ivelisse Lorenzo Torres, Sally Acevedo Cosme, Pedro De León Rodríguez, María T. Torres Bregón, Angel G. López-Guzmán, Santa Damarys Ramírez Lebrón, and Janette I. Cambrelén

Consultant (if applicable): Tetra Tech, 251 Calle Recinto Sur, Ste. 202, San Juan, PR 00091

Direct Comments to: PRDOH (environmentcdbg@vivienda.pr.gov)

Project Location:

The property is a 3.85-acre site located at Carr. PR-406 Km 3.8 Int. Bo. Anones, the Municipality of Las Marias, Puerto Rico (Parcel ID# 183-000-007-40-000). The proposed project parcel is located at 18.254129, -67.046700. The land was empty and apparently not used prior to the establishment of the current farm. Approximately 2.5 acres of the farm are currently planted with beans, turmeric and galangal. An existing greenhouse is located at 18.254290, -67.04635. The farm is connected to the PREPA electric grid and has a water meter connected to the PRASA. The farm also collects rainwater for bean watering.

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

The proposed use of grant funds is for the construction of a new greenhouse and the purchase of equipment including chain saw, chipper, Kawasaki mule pole pruner, trimmer, and zero turn mower.

The proposed construction of a new 45-foot by 45-foot greenhouse located south of the existing greenhouse at 18.25393, -67.04624. The site will have to be cleared and graded.

Site photos are included in **Appendix A**. A site map (Figure 1) is included in **Appendix B**.

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. The purpose of this project is to increase the productivity of the farm. This agricultural project associated with the construction of a new greenhouse is in keeping with the overall objectives of the Economic Development Program.

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

The land proposed for the installation of the greenhouse is used for agricultural purposes. Therefore, there is no change in land use associated with the project. Some ground disturbance will be required.

Structure of this Environmental Review Report (ERR).

This ERR discusses the Funding Information immediately below. The environmental impacts of the proposed action are discussed in the Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities checklist and Environmental Factors checklist. The listing of Additional Studies Performed, and Sources, Agencies and Persons Consulted follows the checklists. The discussions of Public Outreach, Cumulative Impacts, Alternatives, and Summary of Findings and Conclusions are presented at the end of the ERR, before the listing of Mitigation Measures and Determination signatures. The appendices contain detailed information.

- Appendix A – Site Inspection and Photos
- Appendix B – Maps
- Appendix C – Additional Documentation
- Appendix D – Endangered Species
- Appendix E – SHPO Consultation

Funding Information

Grant Number	HUD Program	Funding Amount
B-17-DM-72-0001, B-18-DP-72-0001, B-19-DP-78-0002, B-18-DE-72-0001	Community Development Block Grant – Disaster Recovery (CDBG-DR), CDBG-DR, Re-Grow Puerto Rico Urban-Rural Agricultural Program	\$11,938,162,230

Estimated Total HUD Funded Amount: \$48,747.46

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$48,747.46

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"/>	The project consists of the construction a new greenhouse and purchase of farm equipment. The nearest civilian airport is approximately 32,891 feet from the proposed site. The nearest military airport is approximately 358,186 feet from the proposed site. The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The project is in compliance with Airport Hazards requirements. Refer to Figure 2 in Appendix B .
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Puerto Rico has various Coastal Barrier Resources Systems (CBRS). The project is in inland northern Puerto Rico. The distance to the nearest CBRS unit is 52,877 feet. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. Refer to Figure 3 in Appendix B .
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The Project site is not located in a 100-year floodplain per Floodplain Insurance Map 72000C0545H, effective date April 19, 2005. This project is in compliance with Floodplain Insurance requirements. (See Figures 4 and 5 in Appendix B .)

STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5		
<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a county or air quality management district that is in attainment status or non-attainment status for any criteria pollutants. The Municipio of Las Marias is not listed in the EPA Green Book "Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants" The project consists of the construction of a modular processing building. The construction of a new greenhouse and purchase of farm equipment will have no impact on air quality. The project is in compliance with Clean Air Act. Refer to EPA listing in Appendix C.</p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located 38,636 feet from the nearest Coastal Zone Management area and does not affect a Coastal Zone as defined in the PR Coastal Zone Management Plan. The project is in compliance with the Coastal Zone Management Act. See Figure 8 in Appendix B.</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>A site visit conducted on November 18, 2022. A 55-gallon drum was being used to catch rainwater. No debris or rubbish or visible signs vegetative stress, contamination, or toxic substances were noted at the project site. See Appendix A.</p> <p>Site contamination was evaluated through online data searches to determine if toxic sites are located within 3,000-feet of the proposed project. There is one site of environmental concern identified within 3,000 feet of the project site. The LAURO GONZALES SCHOOL at PR-406 KM 4 BO ANONES in Las Marias is listed as an RCRA site with no violations. There would be no impact from this site to the proposed project site. Refer to Figures 9 and 10 in Appendix B and supplemental information in Appendix C. The project is in compliance with Contamination and Toxic Substances.</p>
<p>Endangered Species</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project will have No Effect on listed species. According to EPA NEPAassist Enviromapper, the nearest critical or proposed critical habitat is</p>

<p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>		<p>27,507 feet to the southeast of the project location. Per the Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website the Puerto Rican Boa can be found, but there is no critical habitat at this location. The proposed project will have no potential to affect species or habitats due to the agricultural nature of the activities involved in the project. The project consists of the construction a new greenhouse and purchase of farm equipment in areas that have been used for agricultural purposes in the past and the project area is cleared of trees.</p> <p>If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW Puerto Rican Boa Conservation Measures guidelines.</p> <p>https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf</p> <p>Refer to Figures 11 and 12 in Appendix B and IPaC report in Appendix D. This project is in compliance with the Endangered Species Act.</p>
<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project does not include development, construction, or rehabilitation that will increase residential density.</p> <p>The project is in compliance with Explosive and Flammable Hazard requirements.</p> <p>Refer to site visit report in Appendix A.</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 <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project site is not designated as prime farmland or farmland of statewide importance. The project consists of the construction a new greenhouse and purchase of farm equipment. The project does not include any activities that could potentially convert agricultural land to nonagricultural use. This project is in compliance with the Farmland Protection Policy Act. Refer to Figure 13 in Appendix B.</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 site is not located in a 100-year floodplain per Floodplain Insurance Map 72000C0545H, effective date April 19, 2005. The project site is not located in Preliminary Firm or an Advisory Base Flood Elevation (ABFE) special flood hazard area. See Figures 4, 5, 6, and 7. This project is in compliance with Floodplain Management Requirements. (See maps in Appendix B.) This project is in compliance with Executive Order 11988.</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 site was evaluated on January 9, 2023, by and SOI Qualified Archaeologist. Documentation with maps was subsequently submitted to SHPO on February 3, 2023 (Appendix E). SHPO concurred with a finding of No Historic Properties Affected within the project's Area of Potential on Effects on March 1, 2023. This project is in compliance with Historic Preservation requirements. See Figure 14 in Appendix B and the report in Appendix E. This project is in compliance with Historic Preservation requirements.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>HUD's noise regulations protect residential properties from excessive noise exposure. The project consists of the construction a new greenhouse and purchase of farm equipment. HUD noise regulations do not apply as the project does not include new construction for residential use or rehabilitation of an existing residential property. The proposed project is in compliance with Noise Abatement and Control.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no EPA sole source aquifers in Puerto Rico. The project is in compliance with Sole Source Aquifer requirements. Refer to Figure 15 in Appendix B.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The west coast is 42,398 feet southwest of the property. The closest fresh-water bodies include an intermittent tributary of Río Casey 53 feet miles north of the property, Quebrada America 2,587 feet southwest of the property, and Río</p>

		<p>Casey 2,270 feet miles southwest of the property.</p> <p>The NWI maps shows a riverine wetland close to the northern edge of the property likely associated with the intermittent tributary of Río Casey 53 feet north of the property. The project site is over 120 feet to the south away from the riverine wetland. During construction standard best management practices (BMPs) will be used to minimize erosion and runoff. This project does not impact any on or off-site wetlands and includes no activities that would require further evaluation under this section. The project is in compliance with Executive Order 11990. Refer to Figure 16 in Appendix B.</p>
<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project is not within proximity of a National Wild and Scenic River (WSR). The distance to the nearest WSR is approximately 434,930 feet. The project is in compliance with the Wild and Scenic Rivers Act. Refer to Figure 17 in Appendix B.</p>

ENVIRONMENTAL JUSTICE		
<p>Environmental Justice</p> <p>Executive Order 12898</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>No adverse environmental impacts were identified in any other compliance review portion of this project that may disproportionately be high for low-income and/or minority communities. Therefore, this topic complies with Executive Order 12898.</p>

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

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The proposed project is located on a private farm. The project site is zoned Agricola Productivo. The project consists of the construction a new greenhouse and purchase of farm equipment. The proposed action is compliant with the current agricultural land use of the Project area.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	<p>The proposed project is located in hill terrain, previously unused, now employed for bean, turmeric and galangal cultivation, classified as Anones clay loam (AoE2), 20 to 40 percent slopes, eroded, surrounded by secondary forest vegetation cover, 195 meters above the mean sea level.</p> <p>The project site area is rated “moderate” for landslide susceptibility (see Figure 18 in Appendix B). The proposed location of the greenhouse would require some grading. During construction BMPs would be used to minimize erosion and runoff. Afterward there will be little to no additional runoff associated with the project.</p>
Hazards and Nuisances including Site Safety and Noise	2	<p>During implementation of the project, construction activities may result in temporary elevation of ambient noise levels in immediate areas around active construction areas. The only nearby receptors are the residents of the farm.</p> <p>There is no access to the project area by the public. Standard BMPs, such as construction fencing, would be applied to protect the farm resident public from typical construction hazards.</p>
Energy Consumption	2	The project site is connected to the local electricity provider. The project would result in a minor increase in electrical usage

		at the site for the new greenhouse. There would be no substantial change in energy demand in the area.
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Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	Temporary employment of workers related to construction activities would result, but no new permanent jobs would be created as a result of this project. These workers are expected to come from the local region. However, since the project will include an economic component, it may aid in restoring some employment opportunities and increase income. The proposed project would not negatively impact employment or income patterns.
Demographic Character Changes, Displacement	2	The proposed project would not result in demographic character changes or displacement. Given the nature of the project area, no relocations or demolition of residential structures or businesses would occur as part of this project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The project would not result in any change to regional or local area educational and cultural facilities or increase demand for them.
Commercial Facilities	2	The agricultural activity of the project property will improve. Other commercial facilities would not be impacted by the proposed project.
Health Care and Social Services	2	Health care and social services facilities would not be impacted by the proposed project. The project would not increase demand for health care and social services facilities.
Solid Waste Disposal / Recycling	2	Waste vegetation from clearing activities will either be composted on site or at regional composting centers. Soil from grading would be recycled on the farm as fill. Left over

		construction materials that could be reused on the farm (e.g., piping, structural materials, greenhouse covering fabrics) would be stored for later use. The remaining construction solid waste materials would be collected for transport to the local landfill. The amount of impact of solid waste resulting from the construction of the proposed project would be minor. During operations, the products and by-products would be agricultural, which waste would be biodegradable.
Wastewater / Sanitary Sewers	2	The proposed project does not include any changes to wastewater or sewage facilities at the farm. Current farm conditions would remain unchanged.
Water Supply	2	Applicant has access to a water supply from the local water utility. The proposed project will have minor impact on water usage.
Public Safety - Police, Fire and Emergency Medical	2	The proposed project would not create any new demand for emergency or health services.
Parks, Open Space and Recreation	2	The proposed project would not create or destroy any new parks, open space, or recreational activities. It also would not increase use of those facilities.
Transportation and Accessibility	2	The proposed project would not involve the creation of new roads nor any increase in long-term traffic on existing roads. There would be some minor use of the existing road during construction. All residents and businesses would retain access to their properties during and after the project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The proposed project will be situated on previous agricultural property and will have no impact to unique natural features or water resources.

Vegetation, Wildlife	2	The proposed project will occur on land currently used for agricultural purposes and will continue in that capacity. The proposed project will have no impact on vegetation and wildlife.
Climate Change	2	This is a small project with no measurable impact on climate change factors. With respect to climate change impact on the project, agricultural activities could be affected by drought.

Additional Studies Performed: None required

Field Inspection (Date and completed by):

Site inspection was conducted on November 18, 2022, by Josue Troche.

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

Puerto Rico State Historic Preservation Office

FAA, National Plan for Integrated Airport Systems:

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

John H. Chafee Coastal Barrier Resources System, Puerto Rico [map](http://www.fws.gov/CBRA/Maps/Locator/PR.pdf).
www.fws.gov/CBRA/Maps/Locator/PR.pdf

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.

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/ecp/report/species-listings-by-state?stateAbbrev=PR&stateName=Puerto%20Rico&statusCategory=Listed>

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

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

Puerto Rico Coastal Zone Management Program Plan, September 2009.

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

US Geological Survey, Data Release of May Showing Concentration of Landslides Caused by Hurricane Maria,

www.sciencebase.gov/catalog/item/59de6459e4b05fe04ccd39d8

List of Permits Obtained:

None required

Public Outreach [24 CFR 58.43]:

The local community has been very proactive in the recovery process. Puerto Rico Department of Agriculture has worked closely with the agricultural community. The project includes a FONSI / NOI-RROF in compliance with NEPA regulations for HUD.

Cumulative Impact Analysis [24 CFR 58.32]:

In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the proposed project. The growth of agricultural products at the farm would not increase. The project would allow more efficient processing of the agricultural products. Water use would increase to a minor degree in the new building but would only impact the existing site water supply. There are no other wells nearby to be affected.

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

The RGRW Program's goal is to increase agricultural capacity while promoting and increasing food security island-wide. This Program seeks to enhance and expand agricultural production related to economic revitalization and sustainable development activities. The applicant submitted a proposal to enhance and expand agricultural production on their property. The proposed use of grant funds will allow the applicant to expand the cultivation, processing, and delivery of agricultural products through the completion of the construction of a new greenhouse and purchase of farm equipment. Any alternative that would involve an off-property location would not enhance and expand agricultural production or allow for the economic development for this applicant. The action is proposed in an area along the existing road between the residence and the existing greenhouse. There would be connection to existing water and power supplies at the residence. Alternative locations on the property would be farther from the road, the electrical supply connection to the residence, and the existing greenhouse.

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

Under the No Action Alternative, the applicant would not receive federal funding for the completion of construction of a new greenhouse and purchase of new farm equipment which would inhibit the economic growth opportunity that the applicant would not otherwise have under the PRDOH Re-Grow Puerto Rico program. As a result, these owners may not be able to experience the growth needed to recover and expand their agriculture activities. A provision of the grant allows for economic development for businesses. The No-Action alternative would not allow for the economic development for this applicant.

Summary of Findings and Conclusions:

The proposed activity has been found to not have any adverse effects on the environment nor is there the requirement for further consultation with federal agencies associated with the topics evaluated above. There are no environmental review topics addressed above that result in the need for additional formal compliance steps with federal agencies or the requirement for mitigations other than those listed below. There may be additional approvals or permits from local agencies.

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
Wetlands Protection	Standard construction BMPs would be used to control erosion and runoff during construction.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Standard construction BMPs would be used to control erosion and runoff during construction.

Determination:

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

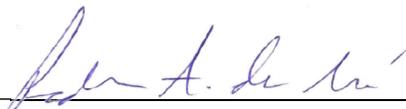
The project will not result in a significant impact on the quality of the human environment.

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: 07/14/23

Name/Title/Organization: Clifford Jarman, Senior Environmental Scientist, Tetra Tech Inc.

Certifying Officer Signature:  Date: 7/19/2023

Name/Title: Pedro A. de León Rodríguez, MSEM/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).

Appendix A

Environmental Field Observation - Puerto Rico Department of Housing

APPLICANT INFORMATION			
Application ID	PR-RGRW-00368		
Applicant Name	Heriberto Martínez Méndez		
Property Address	CARR 406 KM 3.8 INT, BO. ANONES		
Parcel ID	183-000-007-40		
Coordinates	18.254129, -67.046700		
Inspector Name	Josue Troche		
Inspection Date	11/18/2022		
Building Type	Concrete_Metal		
Number of Units	1		
Number of Stories	1		
Year Built; Data Source	NA		
ENVIRONMENTAL OBSERVATIONS (attach photos and notes, as necessary, for any YES answers)			
OBSERVATION ITEMS	YES	NO	COMMENTS
A. Is the structure in use ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Growing beans, turmeric, galangal
B. Is structure a greenhouse ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Green house on property
C. Is Electricity connected ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Electricity connected
D. Is water connected ? (Utilities or Well)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water connected to utilities
1. Are there signs of poor housekeeping on site? (mounds of rubble, garbage, storm debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Are there any 55-gallon drums visible on site? If yes, are they leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	one pictured, non leaking
3. Are there any (or signs of any) underground storage tanks on the property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Are there signs of ASTs on the parcel or adjacent parcel? If yes, list approximate size and contents, if known.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100lbs 600gl 600gl Propane tank Water reserve Water reserve
5. Is there any stained soil or pavement on the parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Is a water drainage system in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is a warehouse in use for storage of Fertilizer or Pesticides ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Are there any groundwater monitoring wells on the site or adjacent parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Is there evidence of a faulty septic system ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

10. Is there distressed vegetation on the parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11. Is there any visible indication of MOLD ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12. Is there any visible evidence of asbestos, chipping, flaking or peeling paint, or hazardous materials present in or on the structure?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. Are any additional site hazards observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	stream/river on property
15. Does the subject property have water frontage ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
16. Is there any indication of the presence of Wetlands ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
17. Are there any obvious signs of animals or birds nesting on or near the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
18. Is the applicant aware of any significant historical event or persons associated with the structure, or of it being located in a historic district/area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
19. Is a historic marker present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Notes:

Case: 00368

Correct coordinates: 18.25393° N, -67.04624° W

Scope of Work:

Scope of work 1

Construction of new greenhouse

Available space 45ft x 45ft

18.25429° N, -67.04635° W

Land current in use for: Growing beans, turmeric, galangal

Past land use was: Empty land. 5 acres of land, in production are 2.5 acres

What the applicant plans to do:

Plans to install a new greenhouse

18.25429° N, -67.04635° W

Where the applicant plans to do the ground disturbance for the new

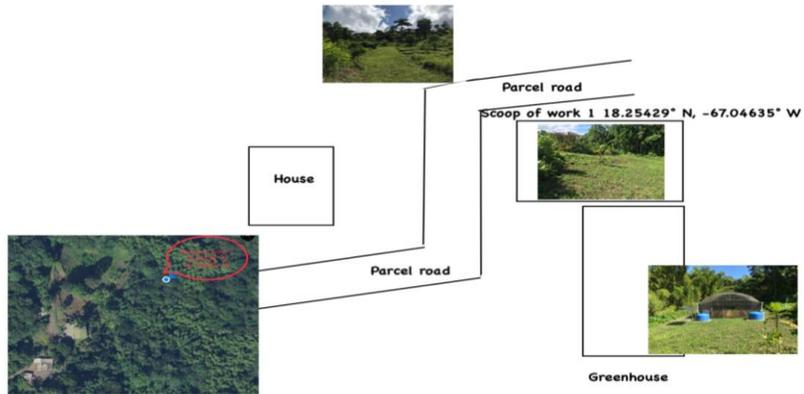
structures: Scope of work 1: 18.25429° N, -67.04635° W

Any new water connection, well, cisterns or power connection:

Land is connected to the electric grid and have water meter connected to AAA

Collecting Water rain for the beans.

Site Sketch



Front of Structure

Photo Direction: North



Facing Away From Front

Photo Direction: South



Side #1 of Structure

Photo Direction: Southeast



Facing Away From Side #1

Photo Direction: Northwest



Back of Structure

Photo Direction: North



Facing Away From Back

Photo Direction: South



Side #2 of Structure

Photo Direction: East



Facing Away From Side #2

Photo Direction: West



Streetscape #1

Photo Direction: Northwest



Streetscape #2

Photo Direction: Southeast



Address

Photo Direction: North



Outbuildings

Photo Description: Greenhouse

Photo Direction: East



Outbuildings

Photo Description: House

Photo Direction: North



Environmentally Sensitive Areas

Photo Description: Bamboo

Photo Direction: Northeast



Environmentally Sensitive Areas

Photo Description: Bamboo

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: East



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: East



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: East



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structure Occupied

Photo Description: Scope of work 1

Photo Direction: North



Structure Occupied

Photo Description: Scope of work 1

Photo Direction: West



Structure Occupied

Photo Description: Scope of work 1

Photo Direction: East



Structure Occupied

Photo Description: Scope of work 1

Photo Direction: Northwest



Greenhouse Photos

Photo Description: Greenhouse

Photo Direction: East



Electricity Connected

Photo Description: Electric meter

Photo Direction: North



55-Gallon Drums

Photo Description: Water reserve

Photo Direction: Northwest



Aboveground Storage Tanks

Photo Description: Propane tank

Photo Direction: Northwest



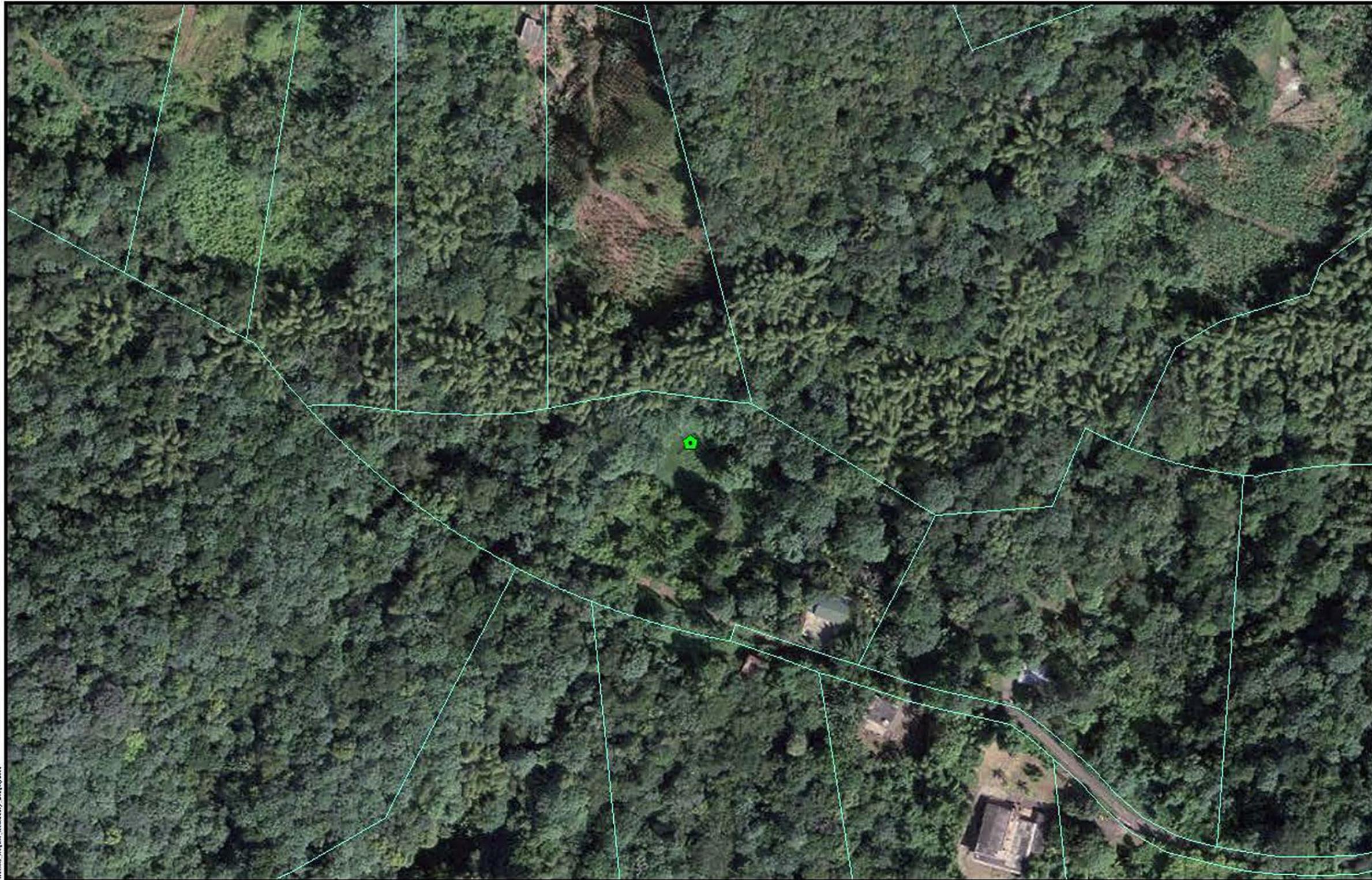
Standing Water

Photo Description: River

Photo Direction: North



Appendix B



Legend

-  Project Parcel
-  Parcels

PUERTO RICO



Figure 1: PROJECT LOCATION

APPLICANT ID: PR-RGRW-00368

ADDRESS: Carr 406 KM 3.8 Int. Bo. Anones, Las Marias, PR 00670

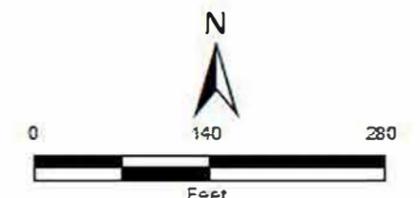
Name of Development: Heriberto Martínez Méndez

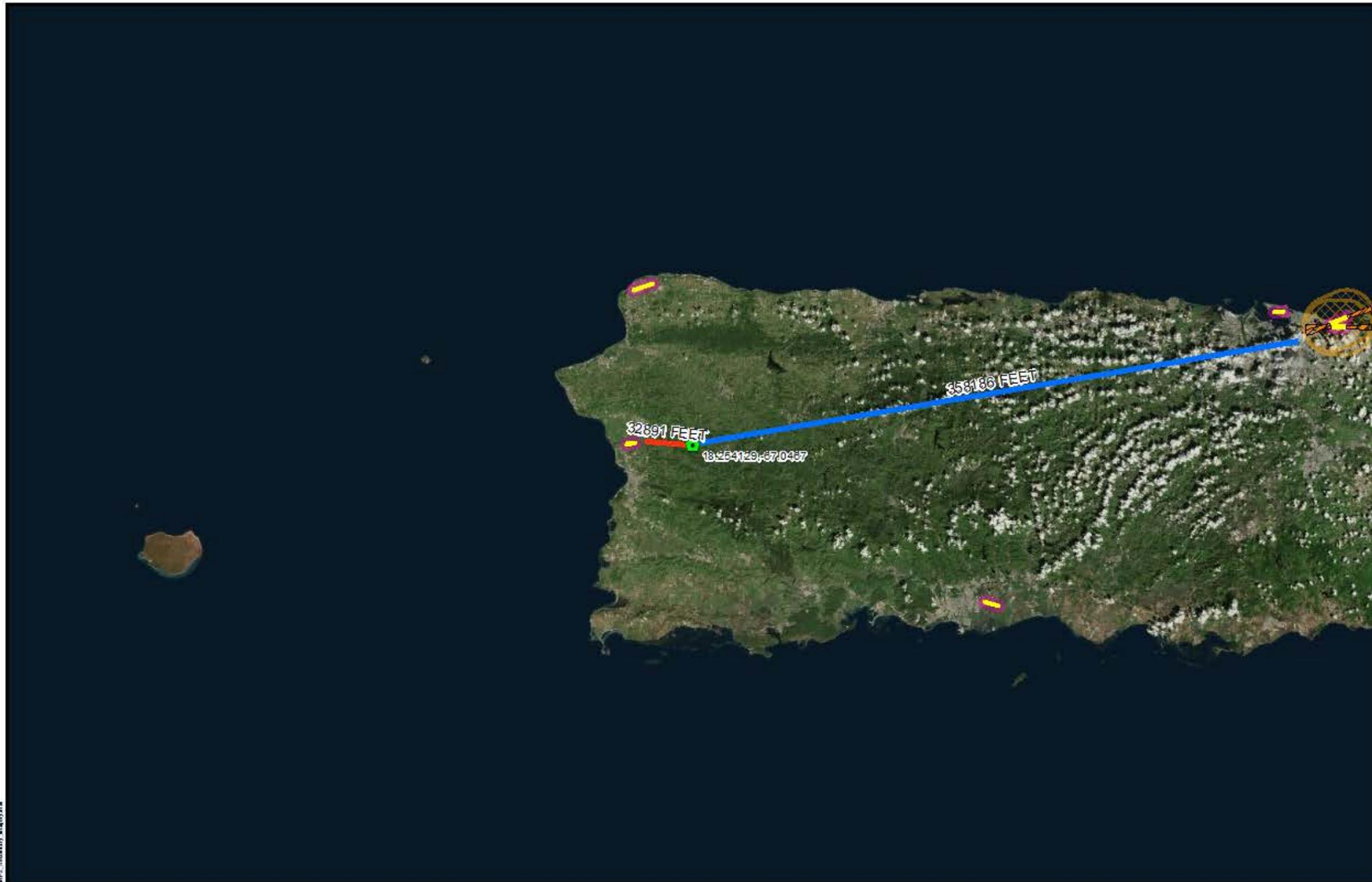
Parcel Coordinates: 18.254129, -67.046700



Source: U. S. Fish & Wildlife Service
<https://www.fws.gov>

Author: TS Date: 2/29/2023





Legend

-  Tier 2 Site
-  Civilian Runway Protection Zones
-  Military Accident Potential Zones
-  Airport Runways
-  Civilian Airport 2,500 Feet Buffer
-  Military Airport 15,000 Feet Buffer

**Distance to Nearest Airport
in Feet: 32,891**

PUERTO RICO



Source: USDOT
<https://www.faa.gov>

Author: TG Date: 10/4/2022

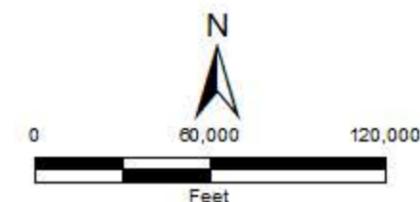
FIGURE 2: AIRPORT ZONES

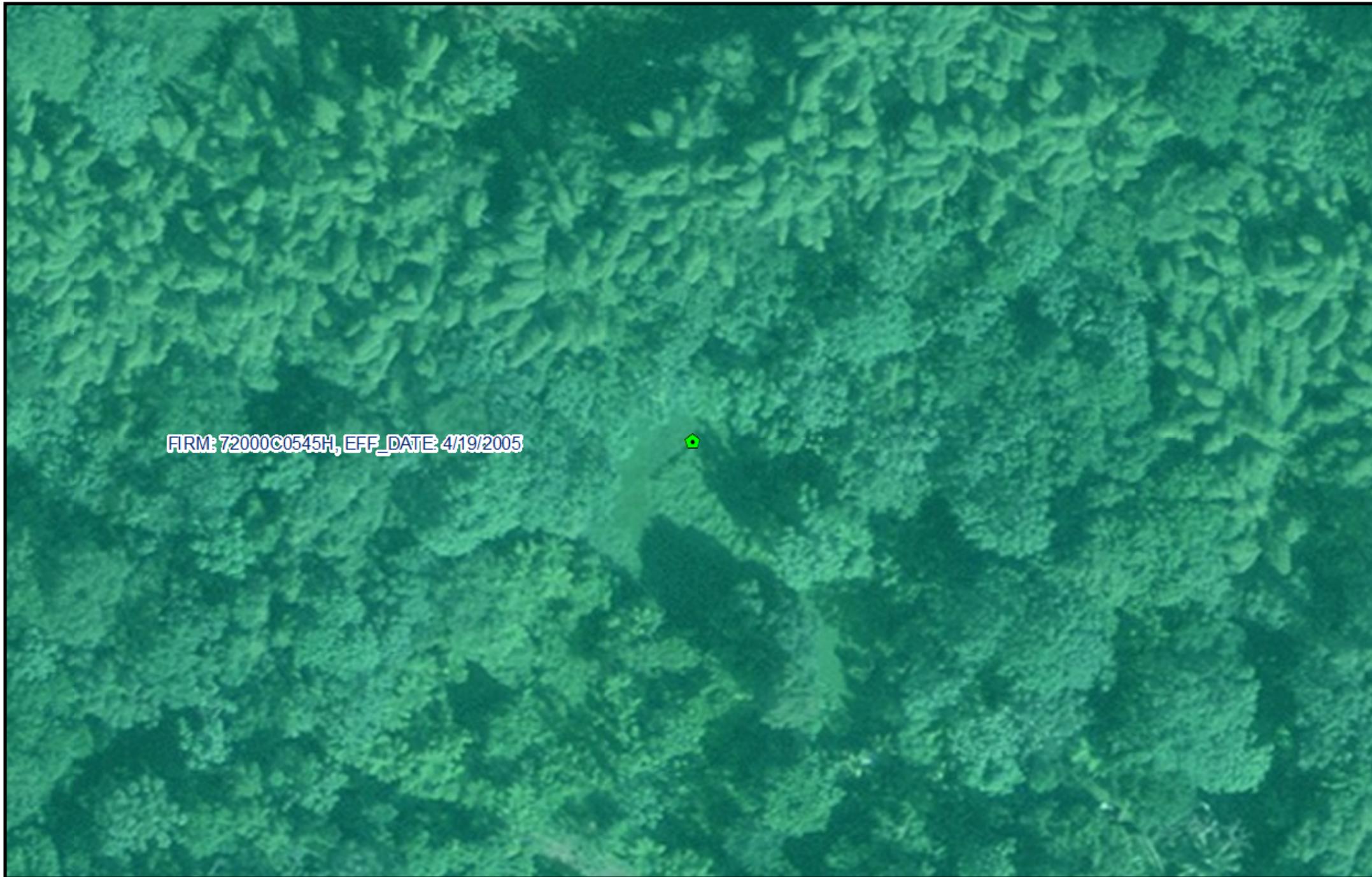
APPLICANT ID: PR-RGRW-00368

ADDRESS: Carr 406 KM 3.8 Int. Bo. Anones, Las Marias, PR 00670

Name of Development: Heriberto Martínez Méndez

Parcel Coordinates: 18.254129, -67.046700





- Legend**
-  Tier 2 Site
 -  FIRM Panels
 -  Floodway
 -  100 Yr Floodzone
 -  500 Yr Floodzone
 -  Area Of Minimal Flood Hazard
 -  Unmapped for Floodplain

PUERTO RICO



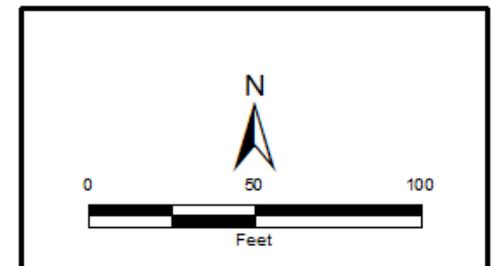
FIGURE 4: FLOODPLAIN MANAGEMENT

APPLICANT ID: PR-RGRW-00368

ADDRESS: Carr 406 KM 3.8 Int. Bo. Anones, Las Marias, PR 00670

Name of Development: Heriberto Martínez Méndez

Parcel Coordinates: 18.254129, -67.046700



Source: FEMA
<https://msc.fema.gov>

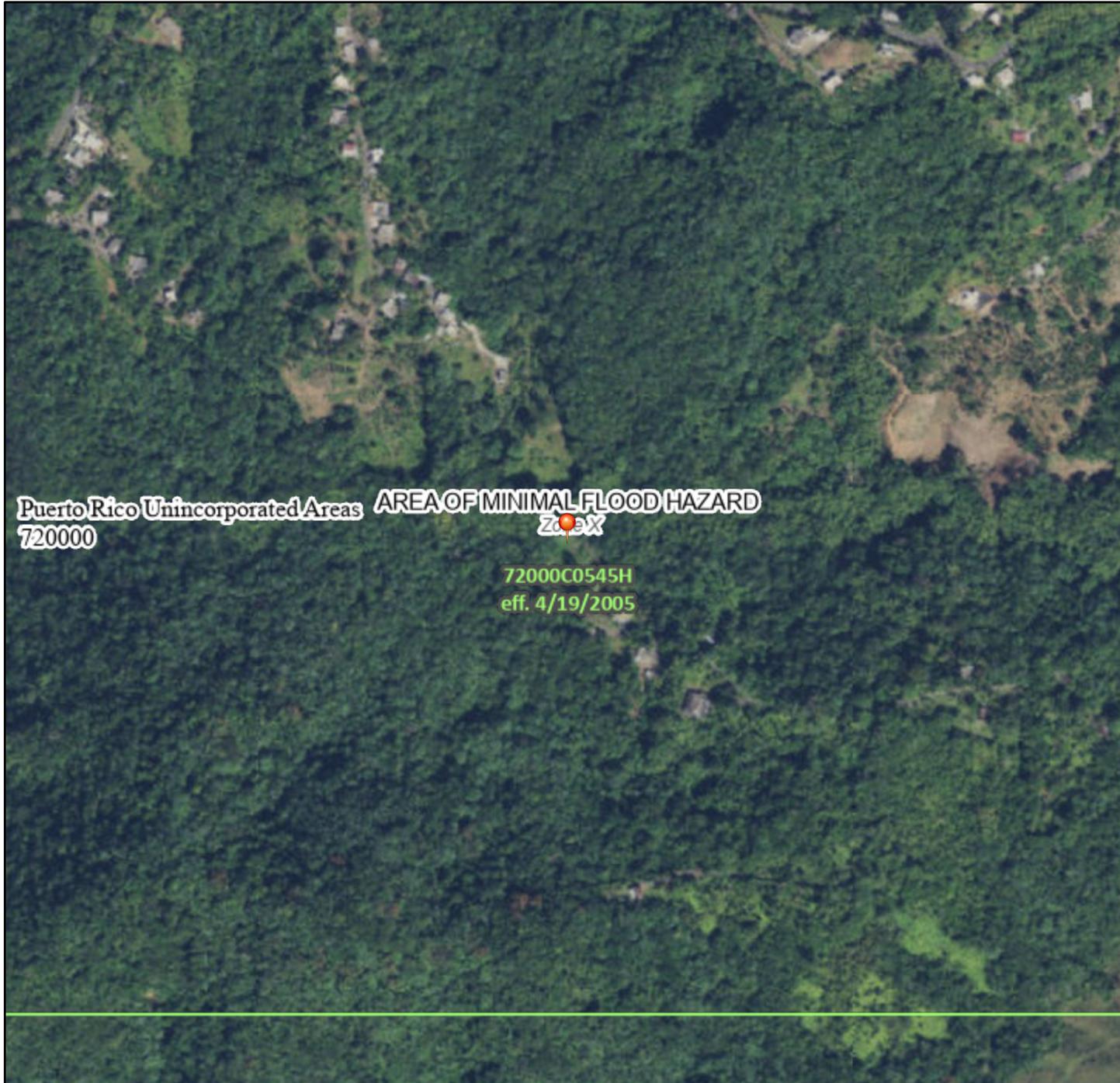
Author: TG Date: 11/1/2022

FIGURE 5: NATIONAL FLOOD HAZARD LAYER FIRMETTE



67°3'7"W 18°15'32"N

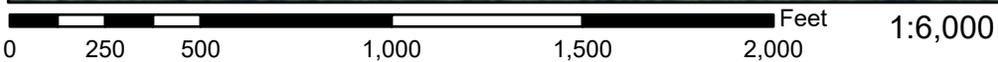
Parcel Coordinates: 18.254129, -67.046700



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 | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | 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 |
| MAP PANELS | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | 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.



67°2'29"W 18°14'58"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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

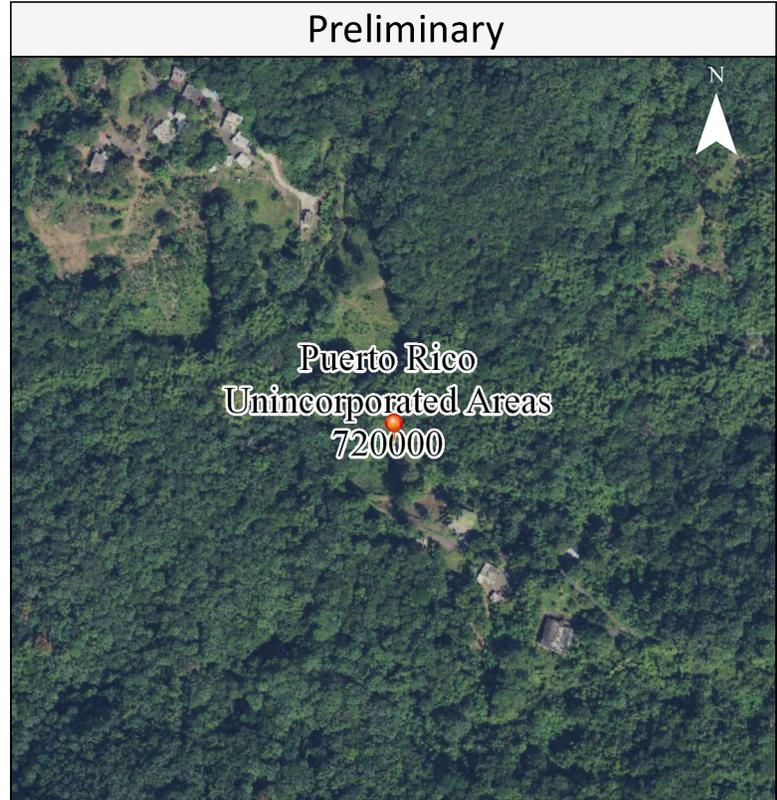
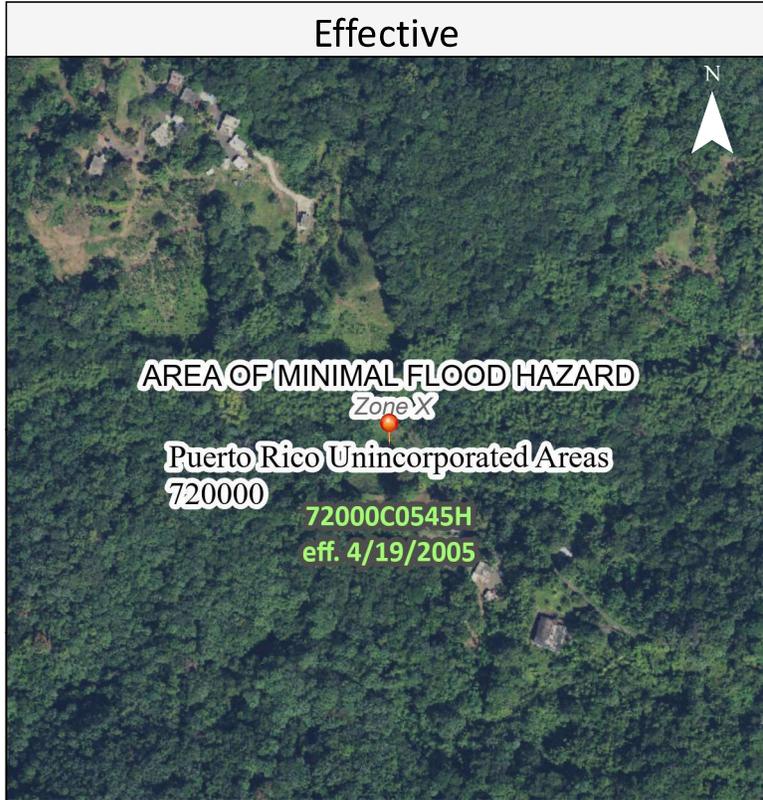
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **3/20/2023 at 2:49 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded 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.

FIGURE 6: COMPARISON OF FLOOD HAZARD



Effective & Preliminary Flood Hazards Parcel Coordinates: 18.254129, -67.046700



Effective	
POI Longitude/Latitude	-67.0467, 18.2541
Effective FIRM Panel	72000C0545H
Effective Date	4/19/2005
Flood Zone	X
Static BFE*	Not Available
Flood Depth	Not Available
Vertical Datum	Not Available

Preliminary	
POI Longitude/Latitude	-67.0467, 18.2541
Preliminary FIRM Panel	72000C0545H
Preliminary Issue Date	11/16/2018
Flood Zone	Not Available
Estimated Static BFE*	Not Available
Estimated Flood Depth	Not Available
Vertical Datum	Not Available

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

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

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

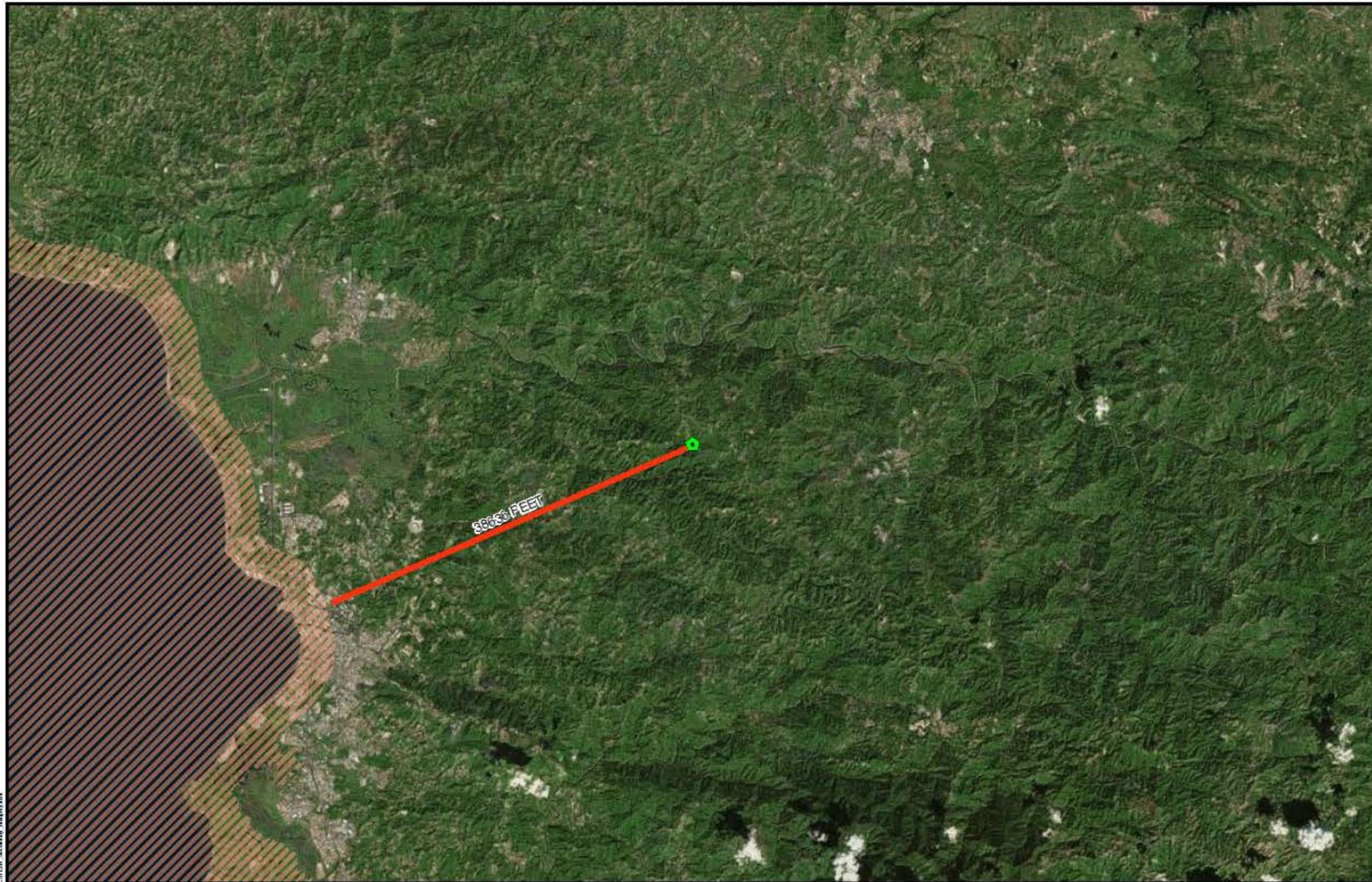
FIGURE 7: ABFE MAP

My Map

Parcel Coordinates: 18.254129, -67.046700



200ft
FEMA



- Legend**
- ◆ Tier 2 Site
 - Coastal Zone Management Boundary

Distance to nearest Coastal Zone Management Boundary in feet: 38,636

PUERTO RICO



FIGURE 8: COASTAL ZONE MANAGEMENT

APPLICANT ID: PR-RGRW-00368

ADDRESS: Carr 406 KM 3.8 Int. Bo. Anones, Las Marias, PR 00670

Name of Development: Heriberto Martínez Méndez

Parcel Coordinates: 18.254129, -67.046700



Source: NOAA's Ocean Service
<https://data.noaa.gov>

Author: TG Date: 10/4/2022

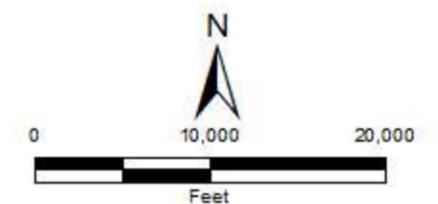
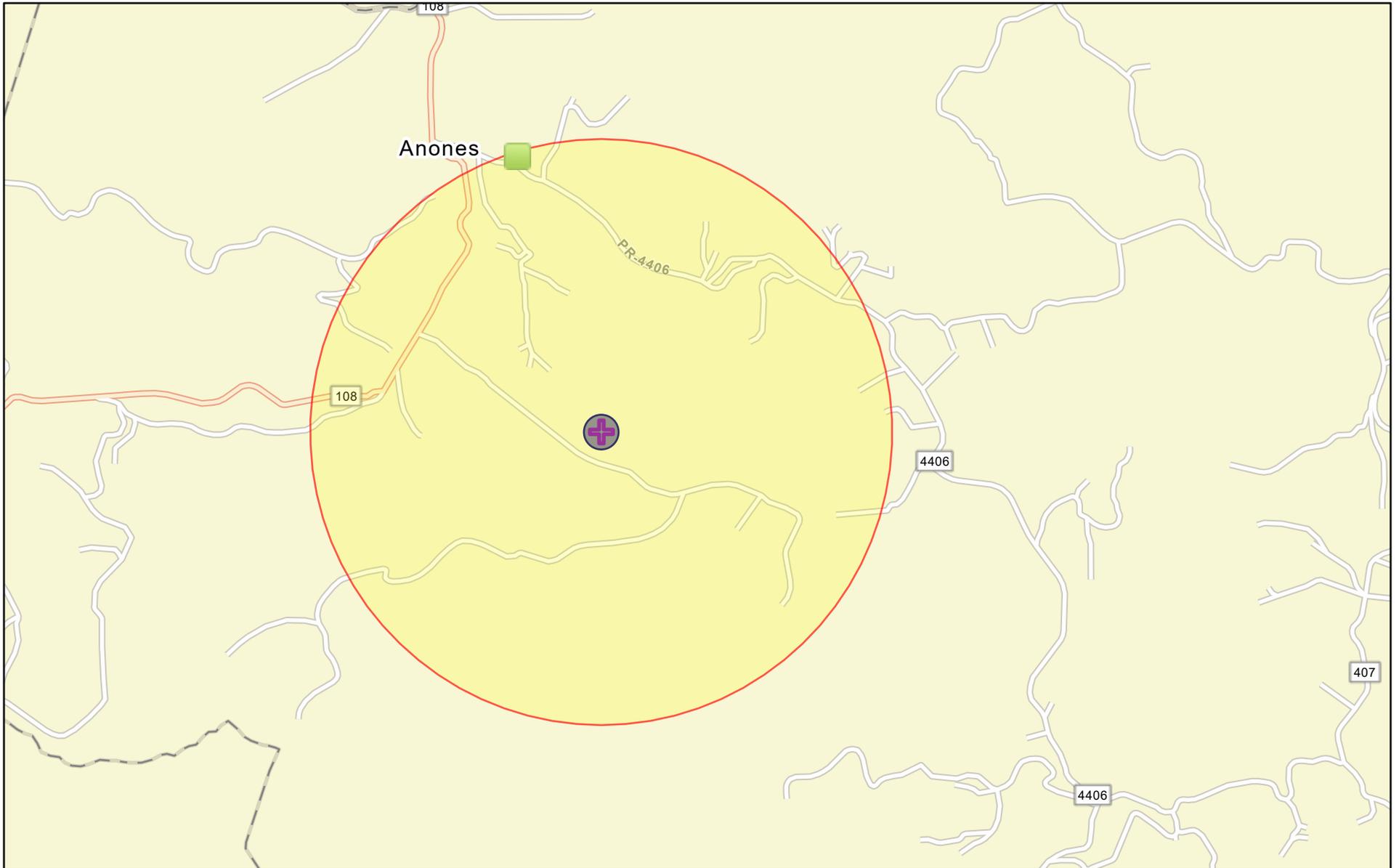
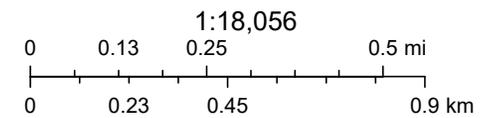


FIGURE 10: NEPASSIST MAP



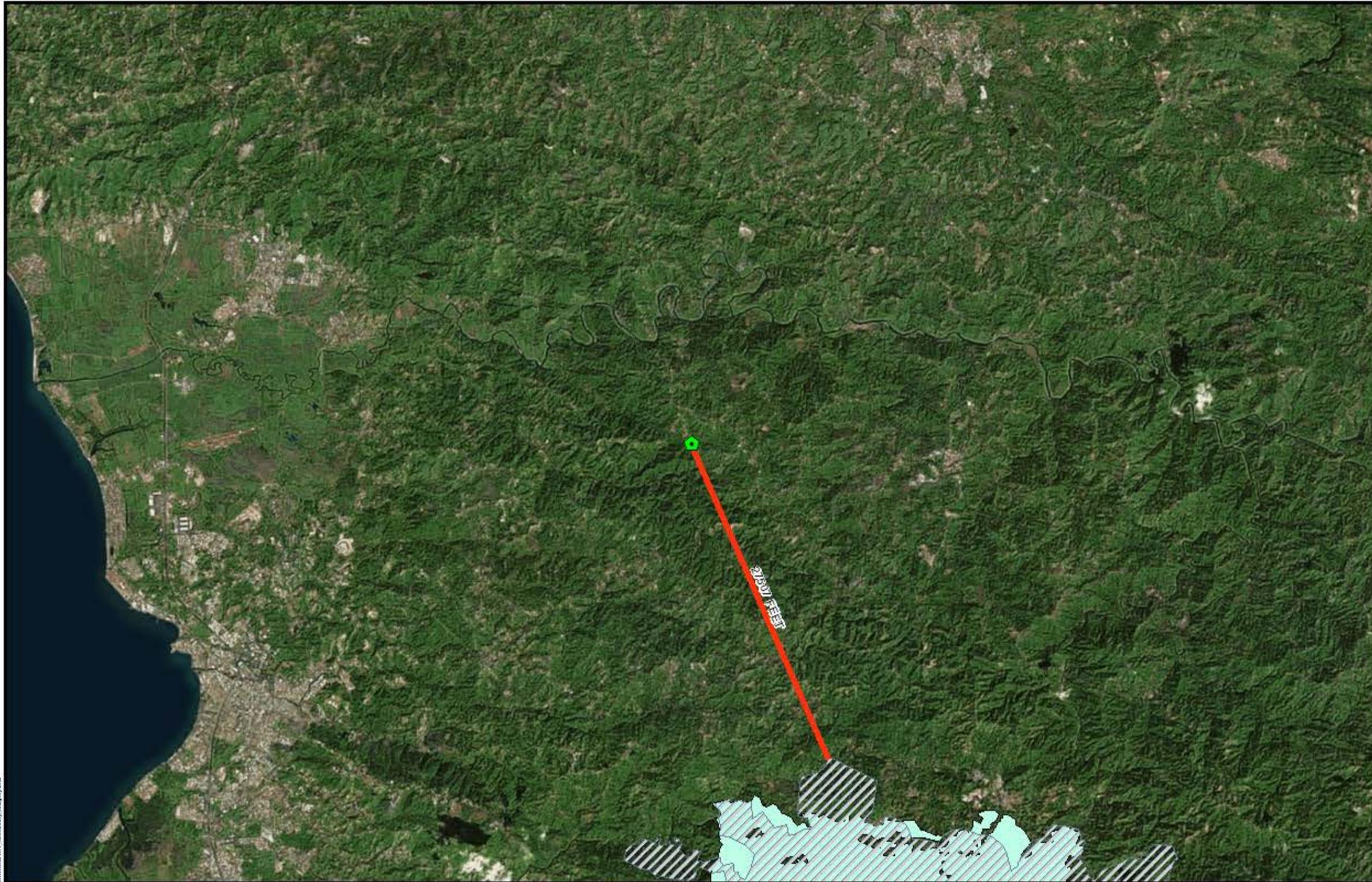
March 19, 2023 Parcel Coordinates: 18.254129, -67.046700

-  Hazardous Waste (RCRAInfo)
-  Project Buffer
-  Project 1
-  Search Result (point)



Esri Community Maps Contributors, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, NPS, US Census

ApplicantId	FullAddress	REGISTRY_ID	PGM_SYS_ACF	PRIMARY_NAME	LOCATION_ADDRESS	CITY_NAME	STATE	POSTAL_COD	LATITUDE83	LONGITUDE83	DFR_URL	DistanceFeet
PR-RGRW-00368	CARR 406 KM 3.8 INT, BO. ANONES, PR 00670	110004891341	RCRAINFO	SU LAURO GONZALEZ	PR-406 KM 4 BO ANONES	LAS MARIAS	PR	00670	18.26206200	-67.04884000	http://echo.epa.gov/detailed-facility-report?fd=110004891341	2942 feet



Legend

-  Tier 2 Site
- Common Name**
-  Elfin-woods warbler
-  Puerto Rico harlequin butterfly

Distance to nearest Critical Habitat in feet:
27,507

PUERTO RICO



FIGURE 12: CRITICAL HABITAT

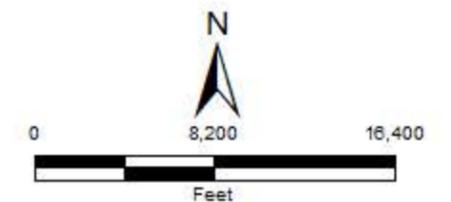
APPLICANT ID: PR-RGRW-00368

ADDRESS: Carr 406 KM 3.8 Int. Bo. Anones, Las Marias, PR 00670
Name of Development: Heriberto Martínez Méndez
Parcel Coordinates: 18.254129, -67.046700

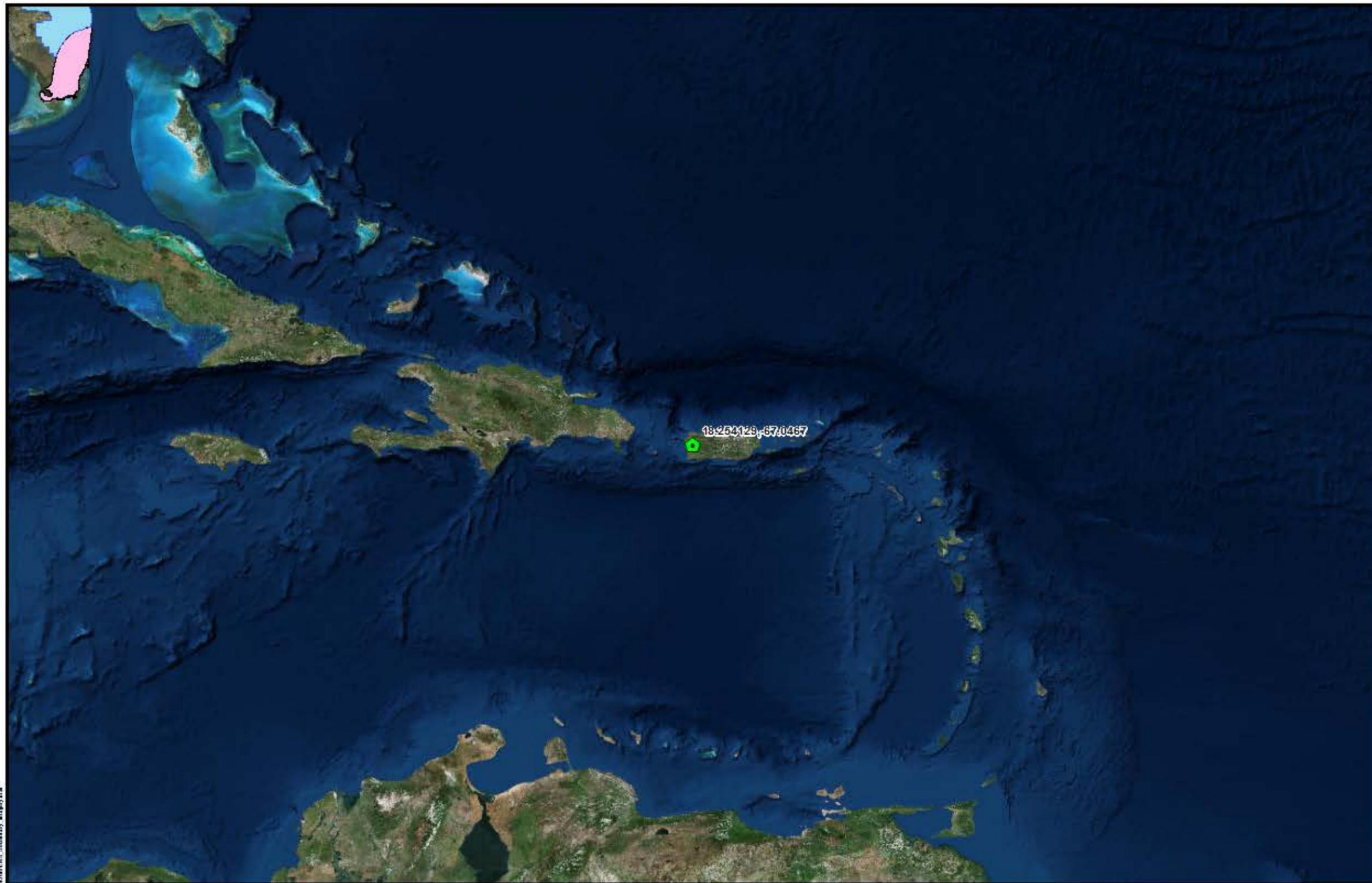


Source: U.S. FISH & WILDLIFE SERVICE
<https://ecos.fws.gov>

Author: TG Date: 2/21/2023



IN THE PUBLIC INTEREST, THE UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT, HAS REVIEWED THIS PLAN AND APPROVES IT FOR THE PURPOSES OF THE NATIONAL MONUMENT ACT.



Legend

-  Tier 2 Site
- Sole Source Aquifer**
-  Biscayne Aquifer SSA
-  Biscayne Aquifer SSA
Streamflow and Recharge Source Zones

PUERTO RICO



FIGURE 15: SOLE SOURCE AQUIFERS

APPLICANT ID: PR-RGRW-00368

ADDRESS: Carr 406 KM 3.8 Int. Bo. Anones, Las Marias, PR 00670

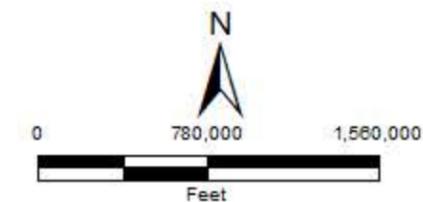
Name of Development: Heriberto Martínez Méndez

Parcel Coordinates: 18.254129, -67.046700

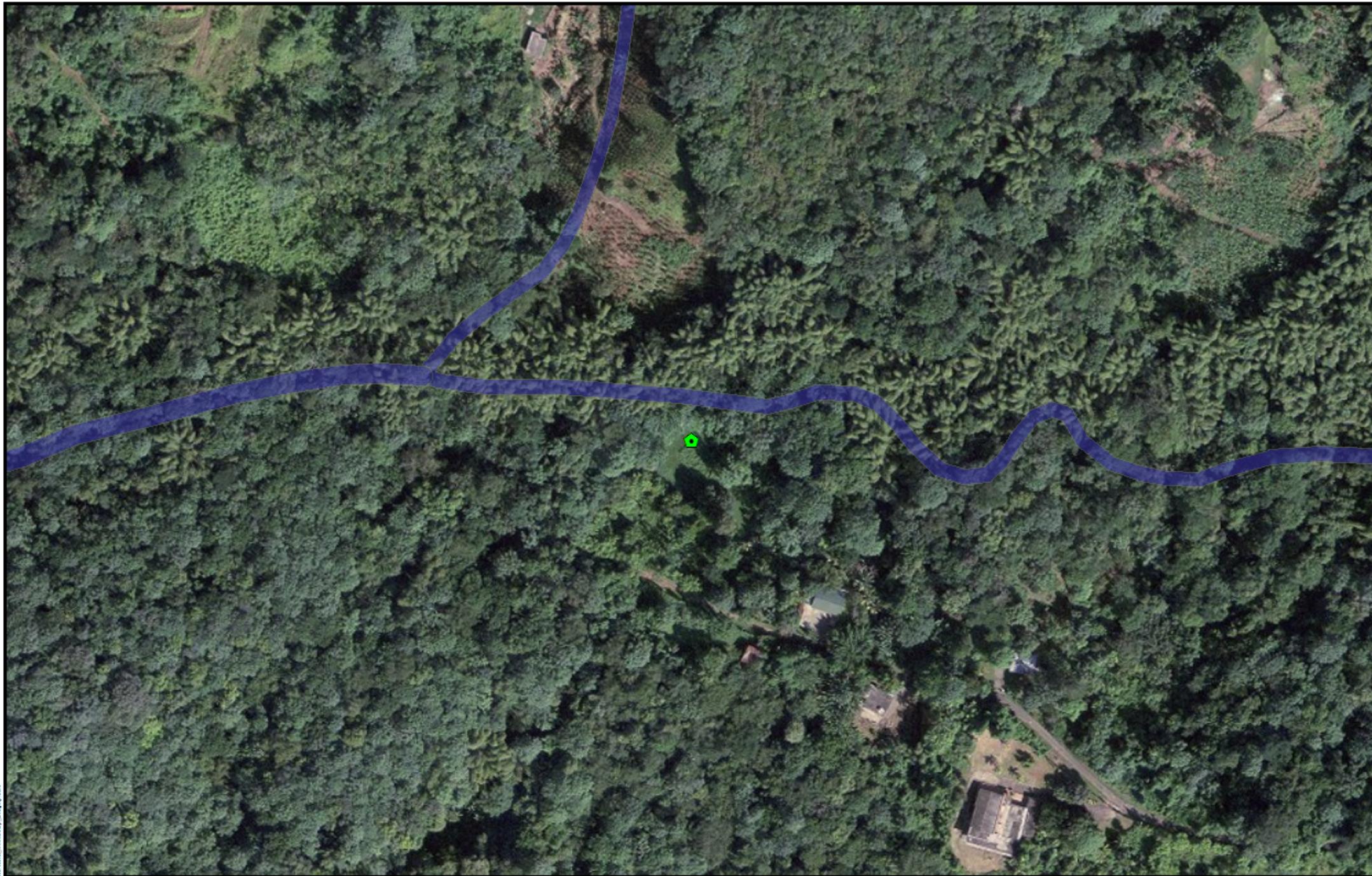


Source: USDOT
<https://www.faa.gov>

Author: TG Date: 2/22/2023



IN THIS MAP, THE BOUNDARIES AND LOCATIONS OF THE AQUIFERS ARE BASED ON THE DATA PROVIDED BY THE APPLICANT AND THE SOURCE ZONES ARE BASED ON THE DATA PROVIDED BY THE APPLICANT.



Legend

-  Tier 2 Site
- WETLAND TYPE**
-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake
-  Riverine

PUERTO RICO



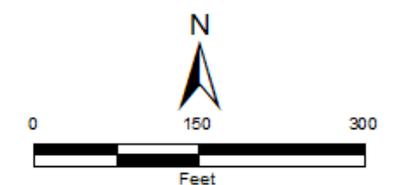
FIGURE 16: WETLANDS

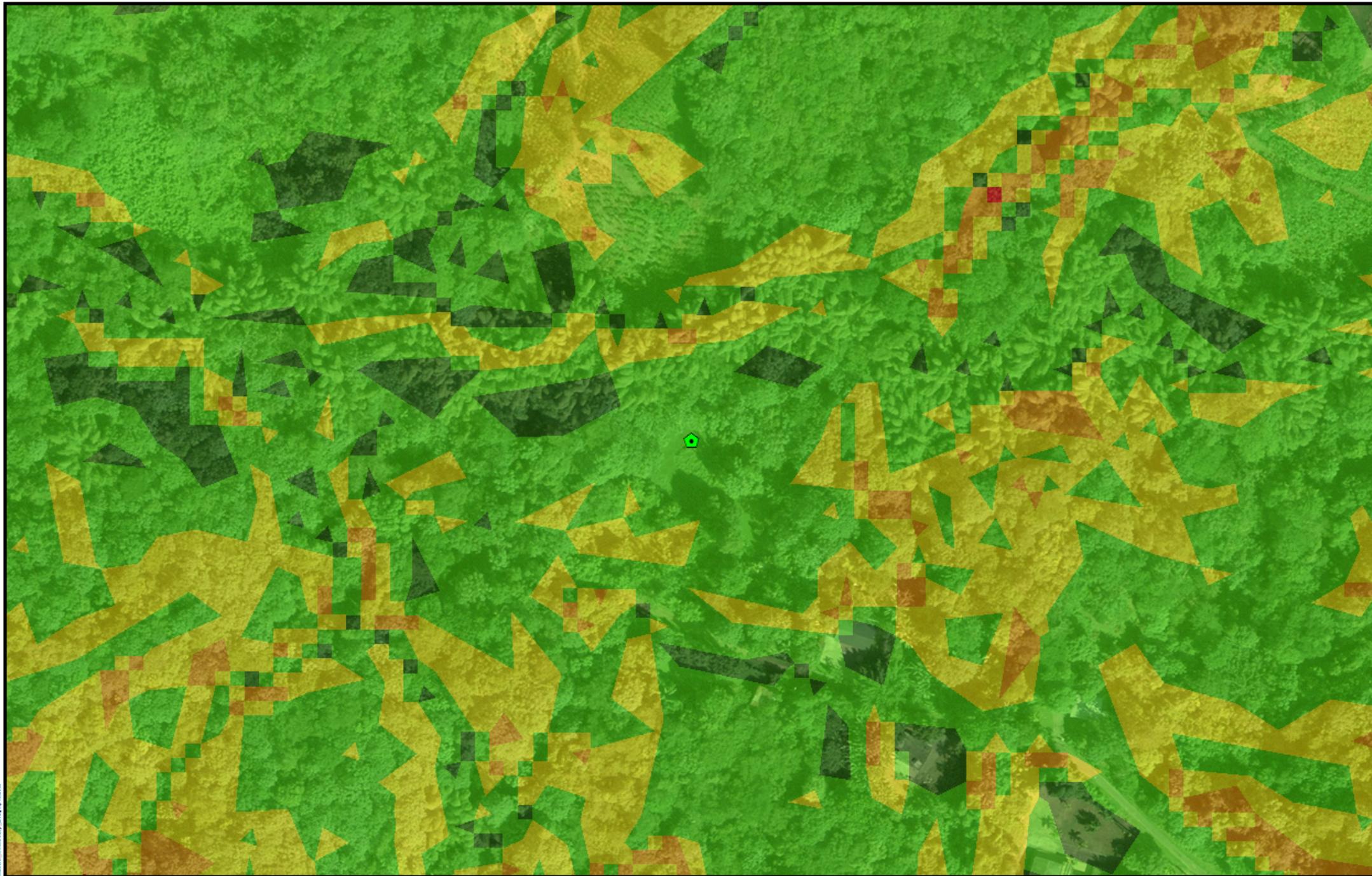


Source: U. S. Fish & Wildlife Service
<https://www.fws.gov>

Author: TG Date: 10/4/2022

APPLICANT ID: PR-RGRW-00368
ADDRESS: Carr 406 KM 3.8 Int. Bo. Anones, Las Marias, PR 00670
Name of Development: Heriberto Martínez Méndez
Parcel Coordinates: 18.254129, -67.046700





- Legend**
-  Tier 2 Site
 - Landslide Susceptibility**
 -  Extremely High
 -  Very High
 -  High
 -  Moderate
 -  Low

PUERTO RICO

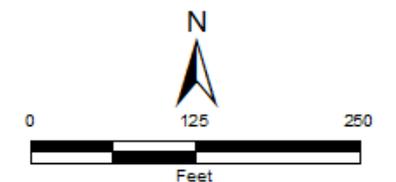


FIGURE 18: SLOPE AND EROSION

APPLICANT ID: PR-RGRW-00368
ADDRESS: Carr 406 KM 3.8 Int. Bo. Anones, Las Marias, PR 00670
Name of Development: Heriberto Martínez Méndez
Parcel Coordinates: 18.254129, -67.046700



Source: PRDOH
<http://maps.mps.a.rogis.com>
<http://ps/w/e/bap/pv/le/w/r/index.html?ti=10506ec07f15491daee17647f19248ee>
 Author: TG Date: 10/4/2022



Appendix C

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 December 31, 2021

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 P_{tv}-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:

[Download National Data as .xls](#) | [Data dictionary \(PDF\)](#)

Important Notes

County	NMQS	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	<input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	<input type="checkbox"/> 92 <input type="checkbox"/> 93 <input type="checkbox"/> 94 <input type="checkbox"/> 95 <input type="checkbox"/> 96 <input type="checkbox"/> 97 <input type="checkbox"/> 98 <input type="checkbox"/> 99 <input type="checkbox"/> 00 <input type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/> 09	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	<input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21	//		Part	52,441	72/137

ApplicantId	FullAddress	REGISTRY_ID	PGM_SYS_ACF	PRIMARY_NAME	LOCATION_ADDRESS	CITY_NAME	STATE	POSTAL_COD	LATITUDE83	LONGITUDE83	DFR_URL	DistanceFeet
PR-RGRW-00368	CARR 406 KM 3.8 INT, BO. ANONES, PR 00670	110004891341	RCRAINFO	SU LAURO GONZALEZ	PR-406 KM 4 BO ANONES	LAS MARIAS	PR	00670	18.26206200	-67.04884000	http://echo.epa.gov/detailed-facility-report?fd=110004891341	2942 feet

Detailed Facility Report



Detailed Facility Report

Facility Summary

SU LAURO GONZALEZ

PR-406 KM 4 BO ANONES, LAS MARIAS, PR 00670

FRS (Facility Registry Service) ID: 110004891341

EPA Region: 02

Latitude: 18.262062

Longitude: -67.04884

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000000133)
Safe Drinking Water Act (SDWA): No Information

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

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004891341					N	18.262062	-67.04884
RCRAInfo	RCRA	PRR000000133	Other	Inactive ()			N	18.262062	-67.04884

Informal Enforcement Actions Last 5 Years ▼

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

No data records returned

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

Formal Enforcement Actions Last 5 Years ▼

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

EJScreen EJ Indexes

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

Show EJ Indexes calculated based on: ▼

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	0
Air Toxics Cancer Risk	65
Air Toxics Respiratory Hazard Index	41
Traffic Proximity	32
Lead Paint	0
Risk Management Plan (RMP) Facility Proximity	80
Hazardous Waste Proximity	48
Superfund Proximity	85
Underground Storage Tanks (UST)	0
Wastewater Discharge	79

Number of EJ Indexes Above 80th Percentile

2

[View EJScreen Report](#) (US/regional/state percentiles, 1-mile average)

Demographic Profile of Surrounding Area (1 mile)

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

General Statistics (U.S. Census)	
Total Persons	630
Population Density	204/sq.mi.
Housing Units in Area	253

General Statistics (ACS (American Community Survey))

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	40 (6%)
Minors 17 years and younger	156 (25%)
Adults 18 years and older	474 (75%)
Seniors 65 years and older	93 (15%)

General Statistics (ACS (American Community Survey))	
Total Persons	382
Percent People of Color	99%
Households in Area	126
Households on Public Assistance	5
Persons With Low Income	302
Percent With Low Income	81%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.262062
Center Longitude	-67.04884
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	73 (58.4%)
\$15,000 - \$25,000	20 (16%)
\$25,000 - \$50,000	28 (22.4%)
\$50,000 - \$75,000	2 (1.6%)
Greater than \$75,000	2 (1.6%)

Race Breakdown (U.S. Census) - Persons (%)	
White	550 (87%)
African-American	34 (5%)
Hispanic-Origin	624 (99%)
Asian/Pacific Islander	0 (0%)
American Indian	5 (1%)
Other/Multiracial	42 (7%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	129 (43.88%)
9th through 12th Grade	25 (8.5%)
High School Diploma	95 (32.31%)
Some College/2-year	7 (2.38%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	26 (8.84%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

 An official website of the United States government

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Data Disclaimer <<http://www.epa.gov/wastes/disclaimer2.htm>>

RCRAInfo Facility Information

<< Return

DEPT OF ED - LAURO GONZALEZ SCH

Handler ID: PRR000000133

CARR 406 KM 4 - BO ANONES

LAS MARIAS, PR 00670

County Name: LAS MARIAS

Latitude: 18.262062

Longitude: -67.04884

Hazardous Waste Generator:

Owner Name: DEPARTMENT OF
EDUCATION

**You can navigate within the map with your mouse.*

No BIENNIAL REPORT data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	PO BOX 759	SAN JUAN	PR	00936- 0759		Public

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

No PROCESS INFORMATION is available for the facility listed above.

No NAICS Codes are available for the facility listed above.

No Waste Codes are available for the facility listed above.

[Go To Top Of The Page](#)

Total Number of Facilities Retrieved: 1

Data Refresh Information <<https://epa.gov/resources/echo-data/about-the-data#sources>>

Appendix D

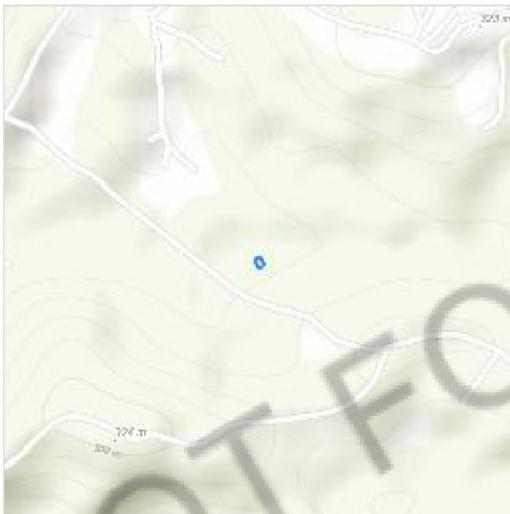
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Las Marías County, Puerto Rico



Local office

Caribbean Ecological Services Field Office

☎ (787) 834-1600

📠 (787) 851-7440

✉ CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS

Post Office Box 491

Boqueron, PR 00622-0491

PHYSICAL ADDRESS

Office Park I

State Road #2 Km 156.5, Suite 303}

Mayaguez, PR 00680

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [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.

The following species are potentially affected by activities in this location:

Reptiles

NAME	STATUS
<p>Puerto Rican Boa <i>Chilabothrus inornatus</i></p> <p>Wherever found</p> <p>No critical habitat has been designated for this species.</p> <p>https://ecos.fws.gov/ecp/species/6628</p>	<p>Endangered</p>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

Migratory birds

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

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

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

There are no migratory birds of conservation concern expected to occur at this location.

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

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

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

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

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

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

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

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

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

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

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

What are the levels of concern for migratory birds?

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

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

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

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

What if I have eagles on my list?

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

Proper Interpretation and Use of Your Migratory Bird Report

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

Facilities

National Wildlife Refuge lands

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 at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

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.

This location overlaps the following wetlands:

RIVERINE

[R4SBC](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Appendix E



GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE

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

March 1, 2023

Lauren Bair Poche

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

SHPO: 02-03-23-04 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, PR-RGRW-00368, HERIBERTO MARTÍNEZ MÉNDEZ, BO. ANONES, PR-406 KM 3.8 INT., LAS MARÍAS, 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



February 3, 2023

Carlos A. Rubio Cancela
Director Ejecutivo
Oficina Estatal de Conservación Histórica
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

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

Section 106 NHPA Effect Determination Submittal: PR-RGRW-00368 – Heriberto Martínez Méndez – Carr PR-406 Km 3.8 Int, Bo. Anones, Las Marías, Puerto Rico – *No Historic Properties Affected*

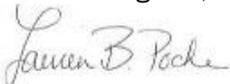
Dear Architect Rubio Cancela,

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 Heriberto Martínez Méndez in Bo. Anones at Carr PR-406 Km 3.8 Int in the municipality of Las Marías. This undertaking will involve the construction a new greenhouse within an area measuring 45' by 45'. This activity will require ground disturbance. 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

Enclosures

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM		
ReGROW PUERTO RICO PROGRAM		
Section 106 NHPA Effect Determination		
Subrecipient: Heriberto Martínez Méndez		
Case ID: PR-RGRW-00368	City: Las Marías	

Project Location: Carr. PR-406 Km 3.8 Int. Bo. Anones
Project Coordinates: 18.254129, -67.046700
TPID (Número de Catastro): 183-000-007-40-000
Type of Undertaking: <input type="checkbox"/> Substantial Repair <input checked="" type="checkbox"/> New Construction
Construction Date (AH est.): c1985
Property Size (acres): 3.85

SOI-Qualified Architect/Architectural Historian: n/a
Date Reviewed: n/a
SOI-Qualified Archaeologist: Jesus E. Vega, Ph.D.
Date Reviewed: January 9, 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 at the farm of Heriberto Martínez Méndez is the construction of a new greenhouse with an available space of 45' by 45' in a five-acre farm at Carr. PR-406 Km 3.8 Int. Bo. Anones, the Municipality of Las Marías, in compliance with Section 106 NHPA Effect Determination. This activity will require ground disturbance.

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project of Heriberto Martínez Méndez is the construction of a new greenhouse with an available space of 45' by 45' in a five-acre farm with 2.5 acres currently planted with beans, turmeric and galangal centered at 18.25393° N, -67.04624° W, located at Carr. PR-406 Km 3.8 Int. Bo. Anones, the Municipality of Las Marías. The land was previously empty and apparently not used. There is an existing greenhouse northeast of the proposed location of the new greenhouse. The Scope of Work #1

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ReGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		
Subrecipient: Heriberto Martínez Méndez		
Case ID: PR-RGRW-00368		City: Las Marías

includes the greenhouse with coordinates 18.25429° N, -67.04635° W. The farm is connected to the PREPA electric grid and has a water meter connected to the PRASA. The farm also collects rainwater for bean watering. The direct APE includes a 15-meter buffer to all sides. The visual APE is the viewshed of the proposed project.

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior’s Professional Qualification Standards (36 CFR Part 61), shows that there are no archaeological sites and/or NRHP listed/eligible historic properties within a half-mile radius of the property, as shown in Table 1 below. The proposed project is located in hill terrain, previously unused, now employed for bean, turmeric and galangal cultivation, classified as Anones clay loam (AoE2), 20 to 40 percent slopes, eroded, surrounded by secondary forest vegetation cover, 195 meters above the mean sea level. The west coast is 8.03 miles southwest of the property. The closest fresh-water bodies include an intermittent tributary of Río Casey 0.01 miles north of the property, Quebrada América 0.49 miles southwest of the property, and Río Casey 0.43 miles southwest of the property.

Table 1. Archaeological Sites and/or NRHP Listed/Eligible Historic Properties Within a Half-Mile Radius of Project Area

Name	SHPO ID	IPRC ID	Location	Description	NRHP
No data	No data	No data	No data	No data	Listed

Table 2. Cultural Resource Studies Conducted Within a Half-Mile Radius of Project Area

Author	Title	Year	SHPO/IPRC ID	Results	Location
No data	No data	N.d.	No data	No data	No data

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 outside the boundaries of the Traditional

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ReGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Heriberto Martínez Méndez	
Case ID: PR-RGRW-00368	City: Las Marías

Urban Center / Historic District of Las Marías, and there are no National Register of Historic Places (NRHP)- listed or eligible properties within a half-mile radius of the property.

The proposed project is located on rural, mountainous land with mature vegetation within the property and surrounding area. A greenhouse building is located within the property and lies Southeast from the project coordinates. The building is dated c1985 because it first appears on a 1993 aerial image but does not show on a 1977 one. The building is outside the direct Area of Potential Effect (APE) is a one-story rectangular metal structure with a curved metal roof covered entirely with mesh material. An opening is centered on the short side to the west. This building is not eligible for listing on the National Register of Historic Places.

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, there are no reported historic sites or significant cultural properties within a half-mile radius of the proposed project area, located 0.50 miles from the APE. There are no known archaeological sites or NRHP listed/eligible historic properties within or adjacent to where the direct Area of Potential Effect (APE) of case PR-RGRW-00368 is located. The proposed project area is not within the boundaries or visual APE of any NRHP listed/eligible historic properties, or to a Traditional Urban Center or Historic District. The terrain has not been previously used for any known commercial purpose, and is currently used for bean, turmeric and galangal cultivation. Therefore, the Program has determined that the project actions described in the undertaking will not impact any cultural properties.

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Recommendation

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

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

This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and: <ul style="list-style-type: none"> <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:

Subrecipient: Heriberto Martínez Méndez

Case ID: PR-RGRW-00368

City: Las Marías

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



Source: CRIM

Author: TG

Date: 10/7/2022

Legend

-  Tier 2 Site
-  Parcelario
-  Area of Potential Effect



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Subrecipient: Heriberto Martínez Méndez

Case ID: PR-RGRW-00368

City: Las Marías

Project (Parcel) Location - Aerial Map



Source: CRIM

Author: TG

Date: 9/22/2022

Legend

-  Tier 2 Site
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon
-  Parcelario

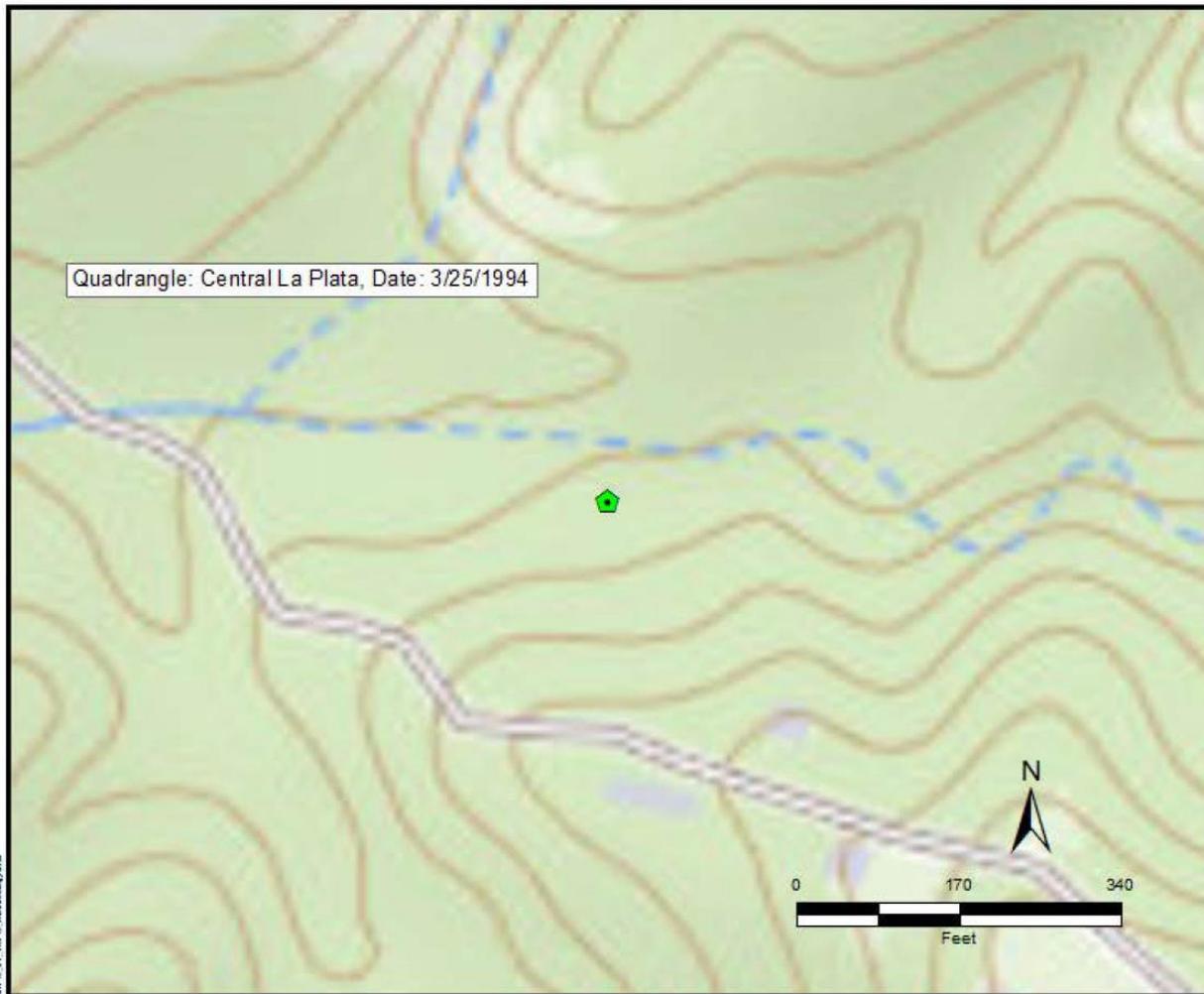


Subrecipient: Heriberto Martínez Méndez

Case ID: PR-RGRW-00368

City: Las Marías

Project (Parcel) Location - USGS Topographic Map



Source: USGS

Author: TG

Date: 9/29/2022

Legend

-  Tier 2 Site
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon



Subrecipient: Heriberto Martínez Méndez

Case ID: PR-RGRW-00368

City: Las Marías

Project (Parcel) Location – Soils Map



Source:USDA

Author: TG

Date: 9/30/2022

Legend

-  Tier 2 Site
-  Parcelario
- Soil Type**
-  AoE2;Anones clay loam, 20 to 40 percent slopes, eroded
-  MxF;Mucara clay, 40 to 60 percent slopes



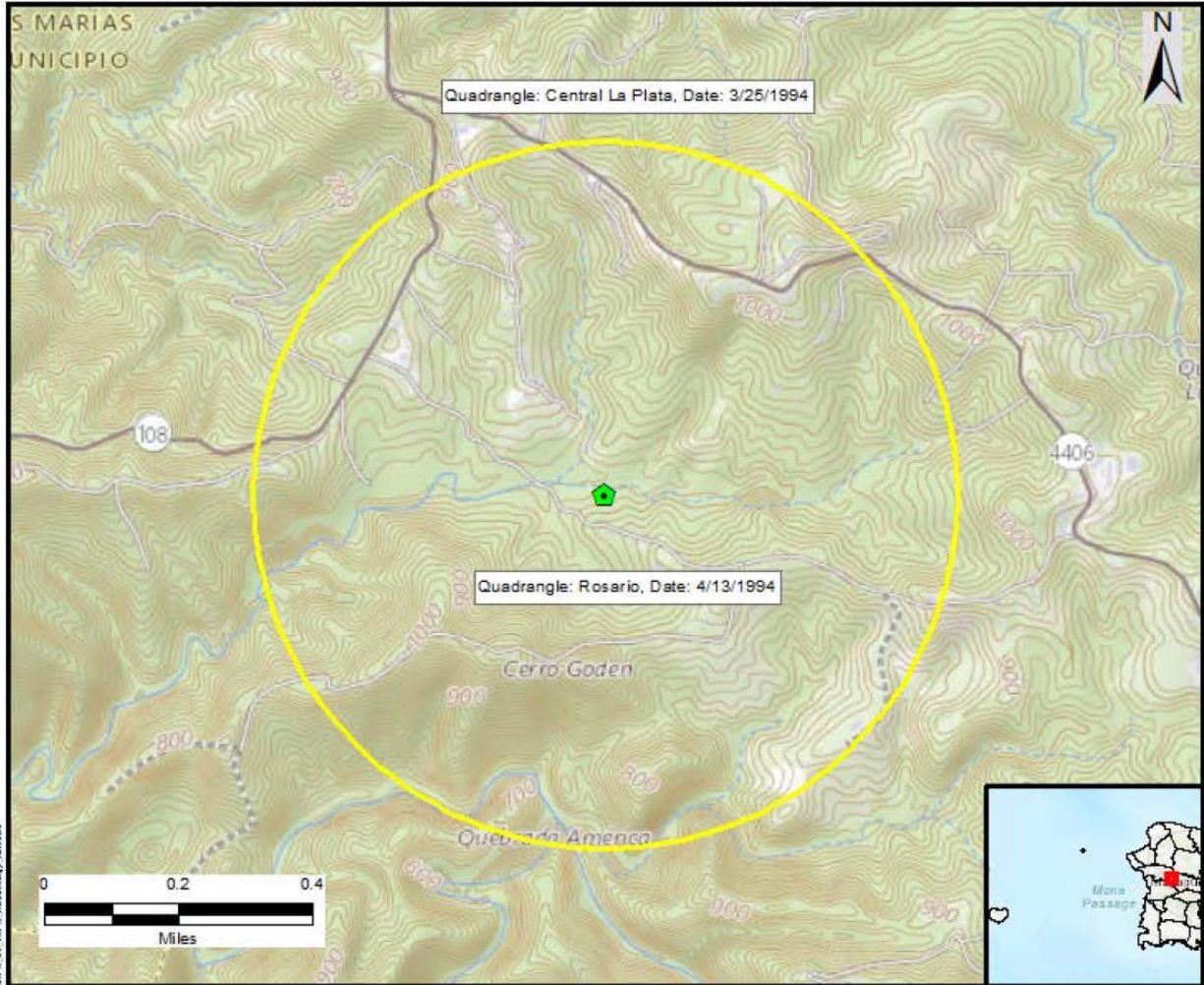
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Subrecipient: Heriberto Martínez Méndez

Case ID: PR-RGRW-00368

City: Las Marías

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



Source: National Park Service

Author: TG

Date: 9/29/2022

- Legend
-  Tier 2 Site
 -  Half Mile Buffer
 -  Historic Comunidades
 -  Traditional Urban Centers
 -  Cultural Resource District Polygon

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Heriberto Martínez Méndez

Case ID: PR-RGRW-00368

City: Las Marías

Photograph Key



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Heriberto Martínez Méndez	
Case ID: PR-RGRW-00368	City: Las Marías



Photo # 1:	Description (include direction): Southwest
Date: 11/19/2022	Scope of Work Area 1

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

RE-grow PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Heriberto Martínez Méndez

Case ID: PR-RGRW-00368

City: Las Marías



Photo # 2:

Description (include direction): West

Date: 11/19/2022

Scope of Work Area 1



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 typed name.

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT