

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-00024

Project Name: Alexis Nieves Torres

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico/Maricao, PR

Preparer: Clifford Jarman

Certifying Officer Name and Title: Permit and Compliance Officer: 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 0.285-acre site located at Bo. Maricao Afuera Carr. PR-105 Km 20.2 Int. Sector Alerta, in the Municipality of Maricao, Puerto Rico (Parcel ID# 262-001-002-15-001). The proposed project parcel is located at 18.182650, -66.996880.

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

The proposed project area is approximately 2.06 acres. The parcel has an existing 35-foot shipping container that has been converted to a work/storage building and a residential trailer at the north end of the parcel. This land is currently used for agricultural purposes including harvesting coffee beans and for pasturing sheep.

The proposed use of grant funds is for the construction of a new 150-foot long by 25-foot wide greenhouse to be located within a 180' long by 28' wide terrace located at 18.18265, -66.99688. A portion of the property was graded in between 2017 and 2019. The graded area currently includes the existing storage building, residence trailer, electrical connection and the newly paved access road. The proposed greenhouse would be located in the existing graded area to the southeast of the storage building and south of the residential trailer.

Applicant has access to electricity from an existing electrical connection at the north end of the site from the overhead powerline along the northeastern border of the site. Water supply is from an aqueduct with a 600-gallon reserve tank located east of the graded area.

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 inland wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities. 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 construction of a new greenhouse is used for agricultural purposes. Therefore, there is no change in land use associated with the project.

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
- Appendix B – Maps
- Appendix C – Additional Documentation
- Appendix D – Endangered Species
- Appendix E – SHPO Consultation

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-72-0001 B-17-DM-72-0001	CDBG-DR, Re-Grow Puerto Rico Urban-Rural Agricultural Program	\$172,500,000

Estimated Total HUD Funded Amount: \$31,500

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$31,500

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 of a greenhouse. The nearest airport is approximately 59,500 feet from the proposed site. The nearest military airport is approximately 338,172 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 western Puerto Rico. The distance to the nearest CBRS unit is 60,773 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 72000C1040H, effective date April 19, 2005. This project is in compliance with Floodplain Insurance requirements. (See Figure 4, 5, and 6 in Appendix B .)
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5		
Clean Air	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The Project site is not located in a county or air quality management district that is in attainment

<p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>		<p>status or non-attainment status for any criteria pollutants. The Municipio of Maricao is not listed in the EPA Green Book “Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants” The project is for the purchase and installation of a greenhouse for an agricultural site. The installation and operation of the greenhouse 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 Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located 51,292 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 7 in Appendix B.</p>
<p>Contamination and Toxic Substances 24 CFR Part 58.5(i)(2)</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>A site visit conducted on November 22, 2022 indicated a pile of leftover bricks, blocks, and construction materials; a 55-gallon drum used for trash, and a sealed 55-gallon drum. No visible signs vegetative stress, contamination, or toxic substances at the project site. See Appendix A. There is one site of environmental concern identified within 3,000 feet of the project site. That site, the Prasa Maricao Sewage Treatment Plant, has reported non-major Clean Water Act violations for exceeding biological oxygen demand, suspended solids, and chlorine releases See facility ECHO report in Appendix C. The treatment plant is 0.32 miles away from the site and poses no risk to the project site. Refer to Figures 8 and 9 in Appendix B and site reports in Appendix C. The project is in compliance with Contamination and Toxic Substances.</p>
<p>Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project will have No Effect on listed species (see Figures 10 and 11). According to EPA NEPAAssist Enviromapper, the nearest critical or proposed critical habitat is 2,155 feet to the southwest 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</p>

		<p>Puerto Rican Boa, Puerto Rican Broad-winged Hawk, Puerto Rican Parrot, Puerto Rican Sharp-shinned Hawk, and Puerto Rican Harlequin Butterfly can be found, but there are no critical habitats 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 property is currently used for agricultural purposes, growing coffee beans and pasturing sheep. The site that is proposed for the new greenhouse (18.18265, -66.99688) was cleared of trees and graded between 2017 and 2019.</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. Refer to Figures 10 and 11 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 designated as farmland of statewide importance. The proposed project includes construction of an agricultural greenhouse. 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 12 in Appendix B.</p>
<p>Floodplain Management</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a 100-year floodplain per Floodplain Insurance Map 72000C1040H, effective date April 19, 2009. The project site is not located in Preliminary Firm or</p>

<p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>		<p>an Advisory Base Flood Elevation (ABFE) special flood hazard area (see Figures 4, 5, and 6). This project is in compliance with Executive Order 11988. (See maps in Appendix B.)</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 <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The site was evaluated on December 19, 2022, by and SOI Qualified Archaeologist. Documentation with maps was subsequently submitted to SHPO on January 4, 2023 (See Figure 13 in Appendix B and Appendix E). SHPO concurred with a finding of No Historic Properties Affected within the project's Area of Potential on Effects on January 23, 2023. 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 <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>HUD's noise regulations protect residential properties from excessive noise exposure. The proposed project involves the construction of an agricultural greenhouse at a rural farm site. 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 <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.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The closest fresh-water bodies are two tributaries of Río Maricao, 0.07 miles south and 0.12 miles northeast, and Río Maricao, 0.35 miles north of the property. The NWI maps show no wetlands on the parcel or adjacent to the parcel. 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 14 in Appendix B.</p>
<p>Wild and Scenic Rivers</p>	<p>Yes No <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 419,369 feet. The</p>

Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)		project is in compliance with the Wild and Scenic Rivers Act. Refer to Figure 15 in Appendix B .
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	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.

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	2	The proposed project is located on a rural, private farm. The proposed construction site for the greenhouse is not zoned. The land just to the northeast is zoned Rural General. The

Use and Zoning / Scale and Urban Design		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 rural, mountainous terrain, on soil classified as Humatas clay (HmF2), with 40 to 60 percent slopes, which has been flattened by heavy machinery, and is surrounded with dense, secondary woodland vegetation.</p> <p>Projects larger than 1 acre must comply with the CWA and develop a SWPPP with the NPDES. The proposed project area is approximately 0.285 acres.</p> <p>The project site area is rated “moderate” for landslide susceptibility (See Figure 16 in Appendix B). The proposed location of the greenhouses has been evenly graded. 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 has access to electricity. There would be minor change in energy demand.

Environmental Assessment Factor	Impact Code	Impact Evaluation
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SOCIOECONOMIC

Employment and Income Patterns	2	<p>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.</p> <p>The proposed project would not negatively impact employment or income patterns.</p>
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 would not involve any wastewater or sanitary sewage. Current farm conditions would remain unchanged.
Water Supply	2	Applicant has access to a nearby aqueduct and has a 600-gallon reserve tank. The proposed project will have no impact on water supply.

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 previously 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. There will be no impact to the climate as a result of this project as land use does not change. 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 22, 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](#).

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 agricultural activities at the farm would increase to a minor degree above current levels due to the implementation of the project. Water use would increase to a minor degree but would only impact the existing 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 of agricultural products in the new greenhouse. 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 actions are proposed in areas close to the farm's storage and residential facilities as well as electrical power connections. The proposed site has been previously cleared and graded. Alternative locations on the property would be farther from the farm facilities and power and would require additional tree removal and grading.

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

Under the No Action Alternative, the applicant would not receive federal funding for the construction of a new 150-foot long by 25-foot wide greenhouse 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

Determination:

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

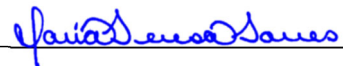
The project will not result in a significant impact on the quality of the human environment.

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: 02/23/23

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

Certifying Officer Signature:  Date: May 5, 2023

Name/Title: María T. Torres Bregón, CDBG-DR/MIT 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-00024		
Applicant Name	Alexis Nieves Torres		
Property Address	Bo Montoso Carr 105 Km 20.2 Int Sector La Alerta		
Parcel ID	262-001-002-15-001		
Coordinates	18.182650, -66.996880		
Inspector Name	Josue Troche		
Inspection Date	11/22/2022		
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"/>	Converted shipping container for storage and a residential trailer
B. Is structure a greenhouse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C. Is Electricity connected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Existing connection to overhead powerline along northeast border
D. Is water connected? (Utilities or Well)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Pile of leftover bricks, blocks, and construction materials No visible signs vegetative stress, contamination, or toxic substances
2. Are there any 55-gallon drums visible on site? If yes, are they leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A 55-gallon drum used for trash, and a sealed 55-gallon drum
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"/>	600gallons 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 checked="" type="checkbox"/>	<input type="checkbox"/>	Converted shipping container for storage
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 type="checkbox"/>	<input checked="" type="checkbox"/>	
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: 00024

Correct coordinates: 18.18274° N, 66.99685° W

Scope of Work:

Scope of work 1

18.18265° N, -66.99688° W

Greenhouse

Availability space

28ft wide x 180ft length

Estimated length of the greenhouse 150ft length x 25ft wide

Land current in use for: land is currently in use to harvest coffee beans and sheep pasture with the intention of getting meat.

Past land use was: Empty lot

What the applicant plans to do:

Build a greenhouse

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

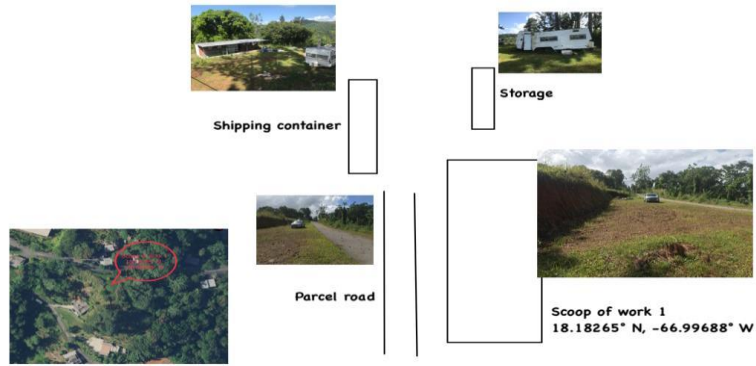
Scope of work 1

18.18265° N, -66.99688° W

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

No water connection at the time of the inspection, land is connected to the grid.

Site Sketch



Front of Structure

Photo Direction: Northeast



Facing Away From Front

Photo Direction: Southwest



Side #1 of Structure

Photo Direction: Southeast

**Facing Away From Side #1**

Photo Direction: Northwest



Back of Structure



Photo Direction: Southwest

Facing Away From Back



Photo Direction: Northeast

Side #2 of Structure

Photo Direction: Northwest



Facing Away From Side #2

Photo Direction: Southeast



Streetscape #1



Photo Direction: East

Streetscape #2



Photo Direction: West

Address

Photo Direction: Northeast



Outbuildings

Photo Description: 35 ft shipping container
Photo Direction: North



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: North



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structure Occupied

Photo Description: Scoop of work 1

Photo Direction: South



Structure Occupied

Photo Description: Scoop of work 1

Photo Direction: North



Structure Occupied

Photo Description: Scoop of work 1

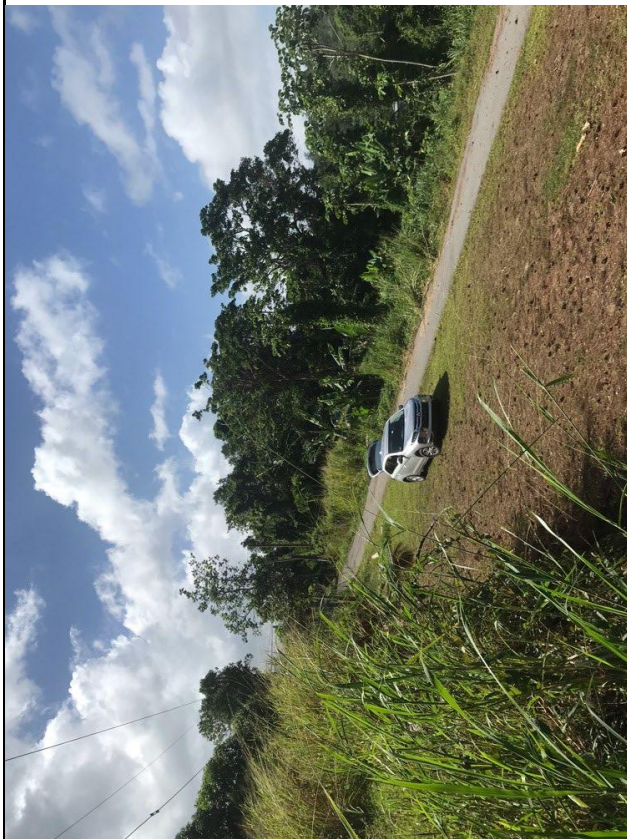
Photo Direction: East



Structure Occupied

Photo Description: Scoop of work 1

Photo Direction: Southwest

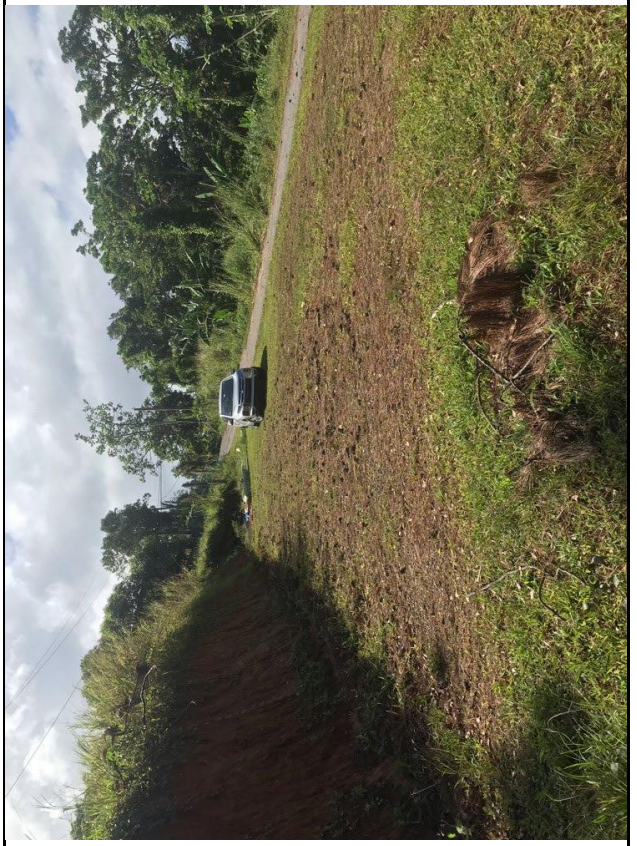


Structure Occupied

Photo Description: Scoop of work 1
Photo Direction: Northeast

Structure Occupied

Photo Description: Scoop of work 1
Photo Direction: South



Structure Occupied

Photo Description: Scoop of work 1

Photo Direction: Southeast



Electricity Connected

Photo Description: Electricity grid
Photo Direction: North



55-Gallon Drums

Photo Description: Trash cans

Photo Direction: North



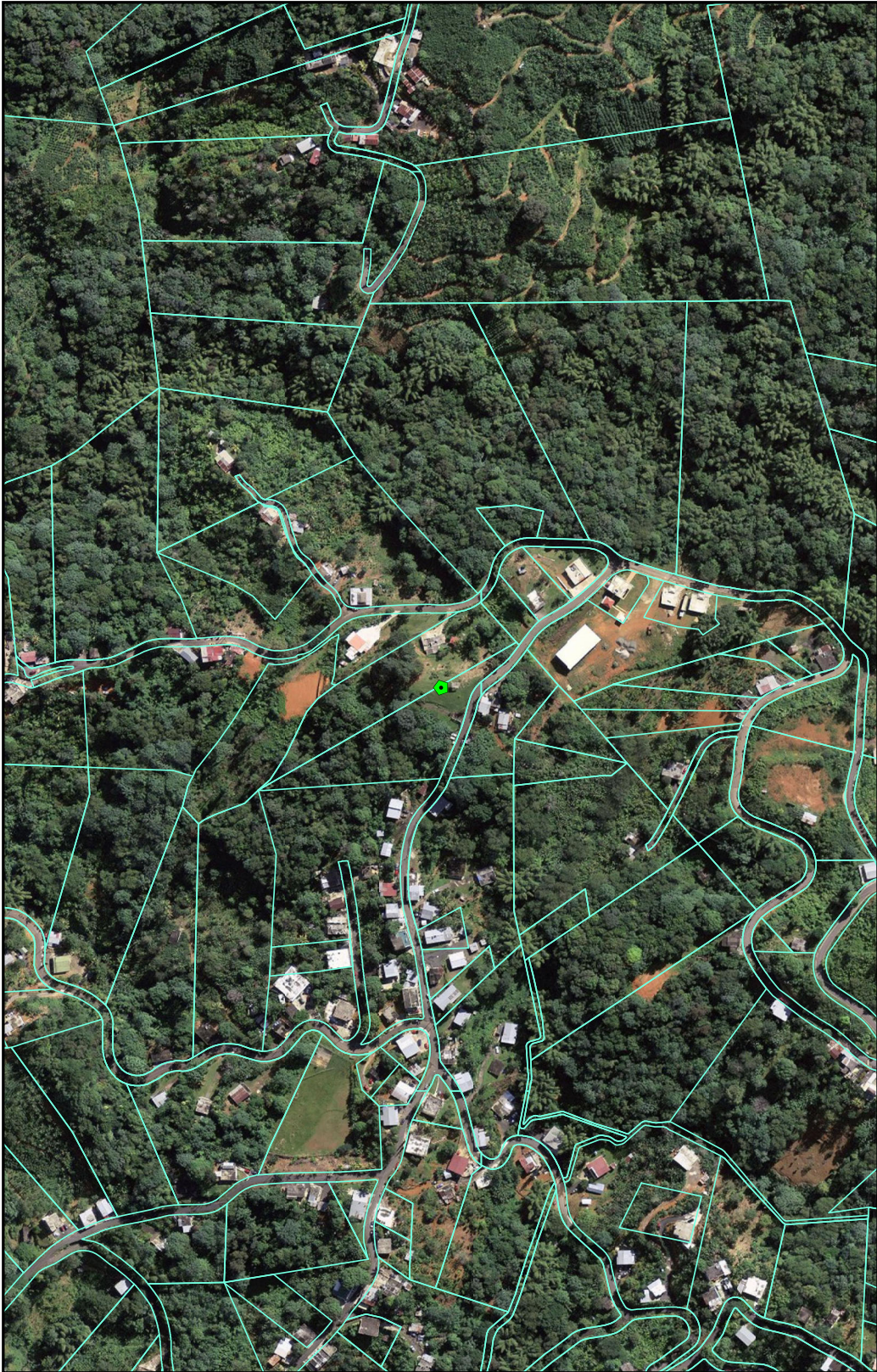
Aboveground Storage Tanks

Photo Description: Water reserve
Photo Direction: Northeast



Appendix B

- Legend**
-  Project Parcel
 -  Parcels



PUERTO RICO

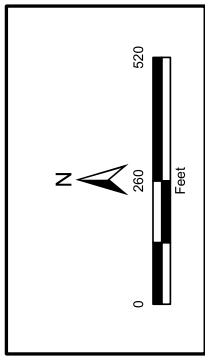


FIGURE 1: PROJECT LOCATION
APPLICANT ID: PR-RGRW-00024

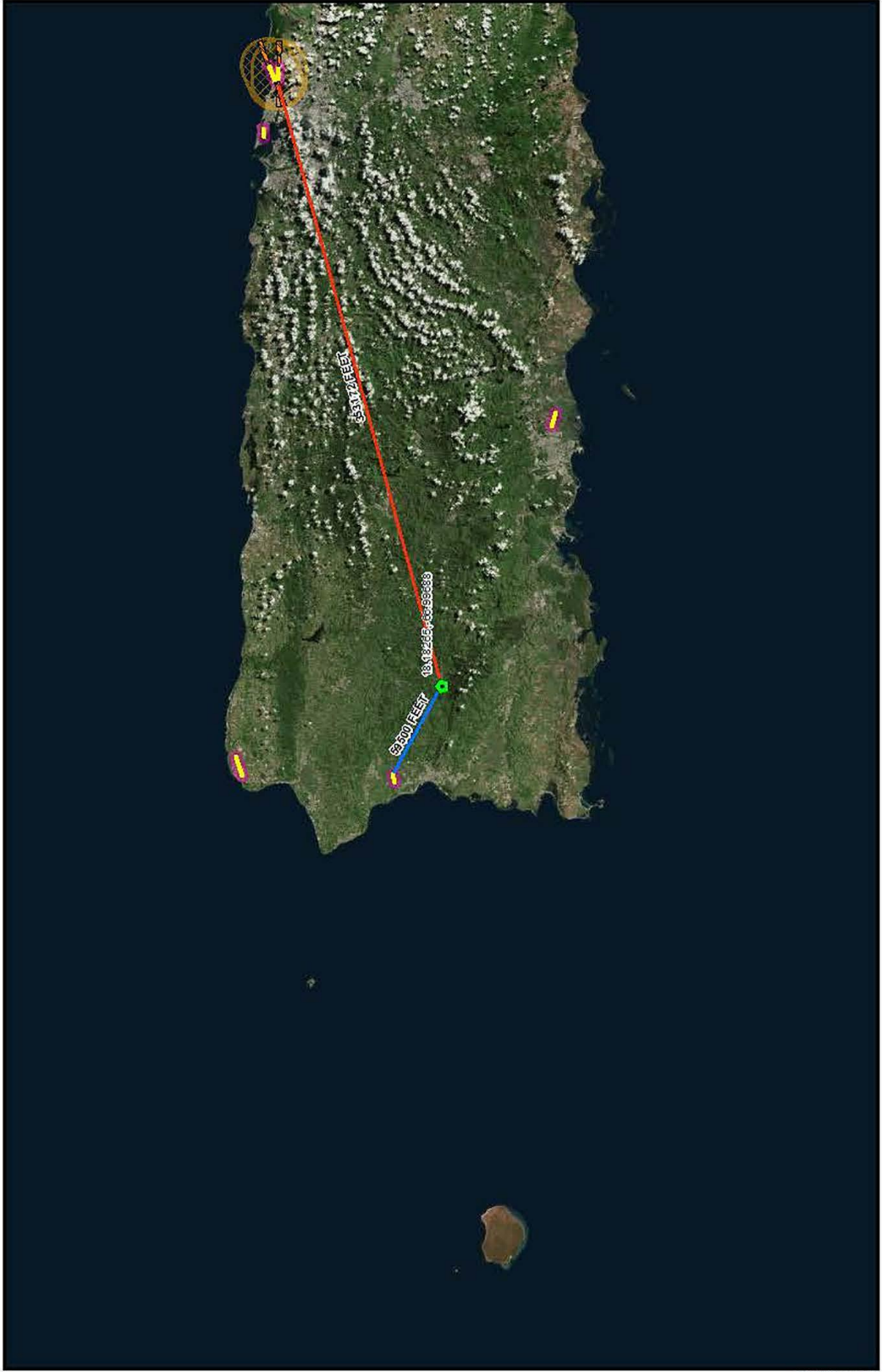
ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Aleria, PR 00606

Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880



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

Author: TG
 Date: 10/4/2022



- Legend**
- Project Parcel
 - 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: 59,500

PUERTO RICO

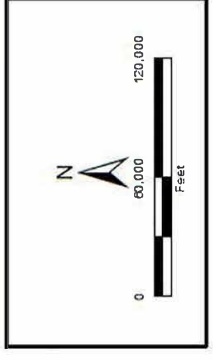


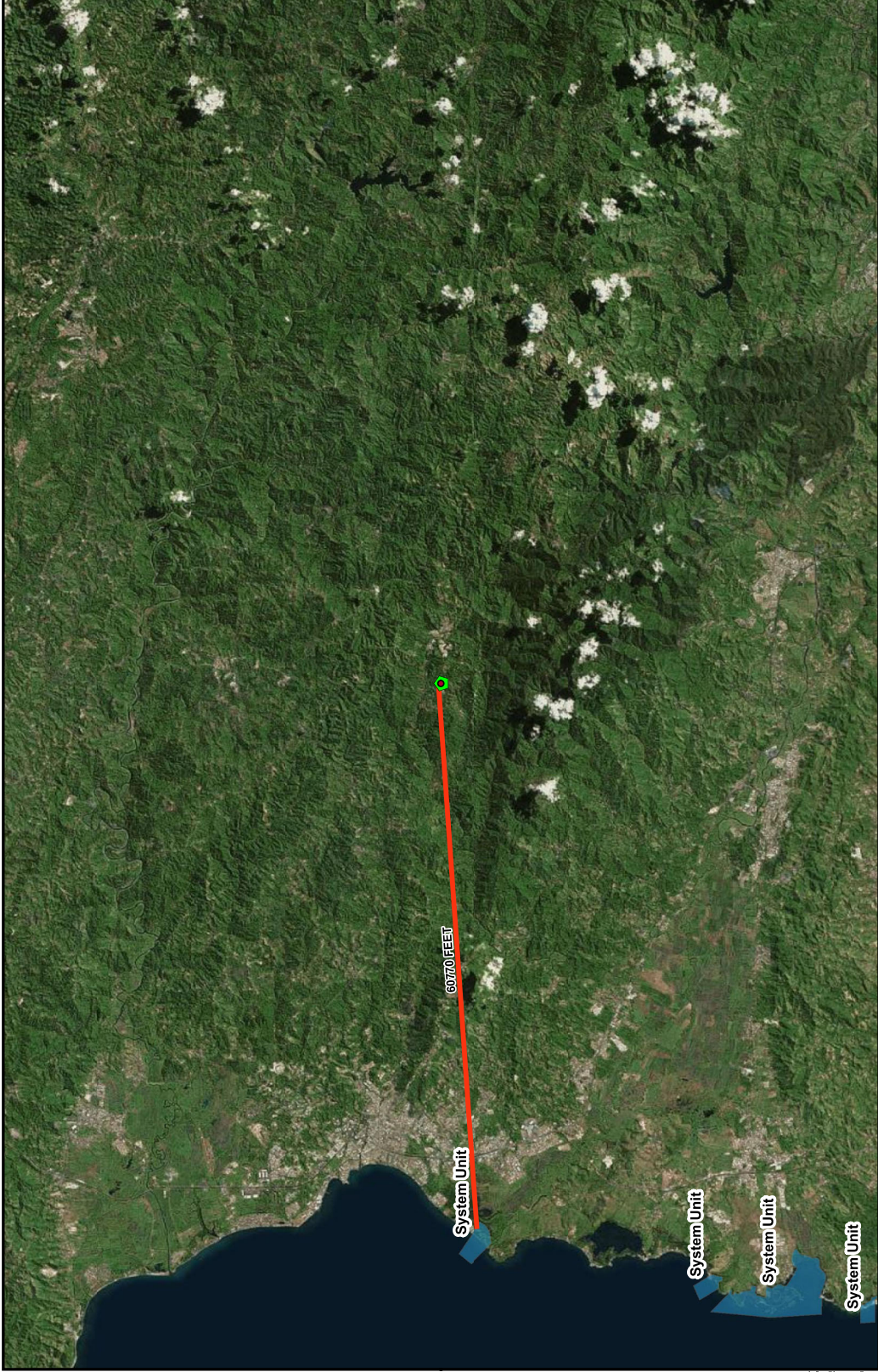
FIGURE 2: AIRPORT ZONES
APPLICANT ID: PR-RGRW-00024

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Alerta, PR 00606
 Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880



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

DATE: 10/18/2022



Legend

Project Parcel


Coastal Barrier Resources System Unit Type

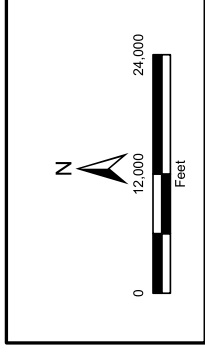
- Otherwise Protected Area
- System Unit

Distance to Nearest Coastal Barrier Resources System in Feet: 60,773

PUERTO RICO



<p>FIGURE 3: COASTAL BARRIERS IMPROVEMENT ACT</p> <p>APPLICANT ID: PR-RGRW-00024</p> <p>ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Aleria, PR 00606 Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880</p>	 <p>TETRA TECH</p> <p>Source: U. S. Fish & Wildlife Service https://www.fws.gov</p> <p>Author: TG</p> <p>Date: 10/4/2022</p>
---	---



National Flood Hazard Layer FIRMette

67°07'W 18°11'15"N



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

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

SPECIAL FLOOD HAZARD AREAS

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

OTHER AREAS OF FLOOD HAZARD

NO SCREEN Area of Minimal Flood Hazard Zone X
 Effective LOMRS
 Area of Undetermined Flood Hazard Zone D
 Channel, Culvert, or Storm Sewer
 Levee, Dike, or Floodwall

OTHER FEATURES

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

MAP PANELS

Digital Data Available
 No Digital Data Available
 Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/24/2023 at 1:12 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.



Scale: 1:6,000
 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

FIGURE 5: FIRMETTE MAP

APPLICANT ID: PR-RGRW-01620

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Aleria, PR 00606
 Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880



Source: <https://nepassisttool.epa.gov/nepassist/ nepamap.aspx>

Date: 11/2/2022



Legend

PuertoRico_ABF_E_1FCT

Advisory Base Flood Elevation (zoom in to make visible)



Flood Hazard Boundary (zoom in to make visible)

Limit of Moderate Wave Action (LMWA)



Flood Hazard Extent

1% Annual Chance Flood

0.2% Annual Chance Flood

Zone/BFE Boundary



Flood Hazard Area (zoom in to make visible)

Flood Hazard Zone



A



AO



AE



Coastal A Zone



VE



X 0.2% Annual Chance Flood



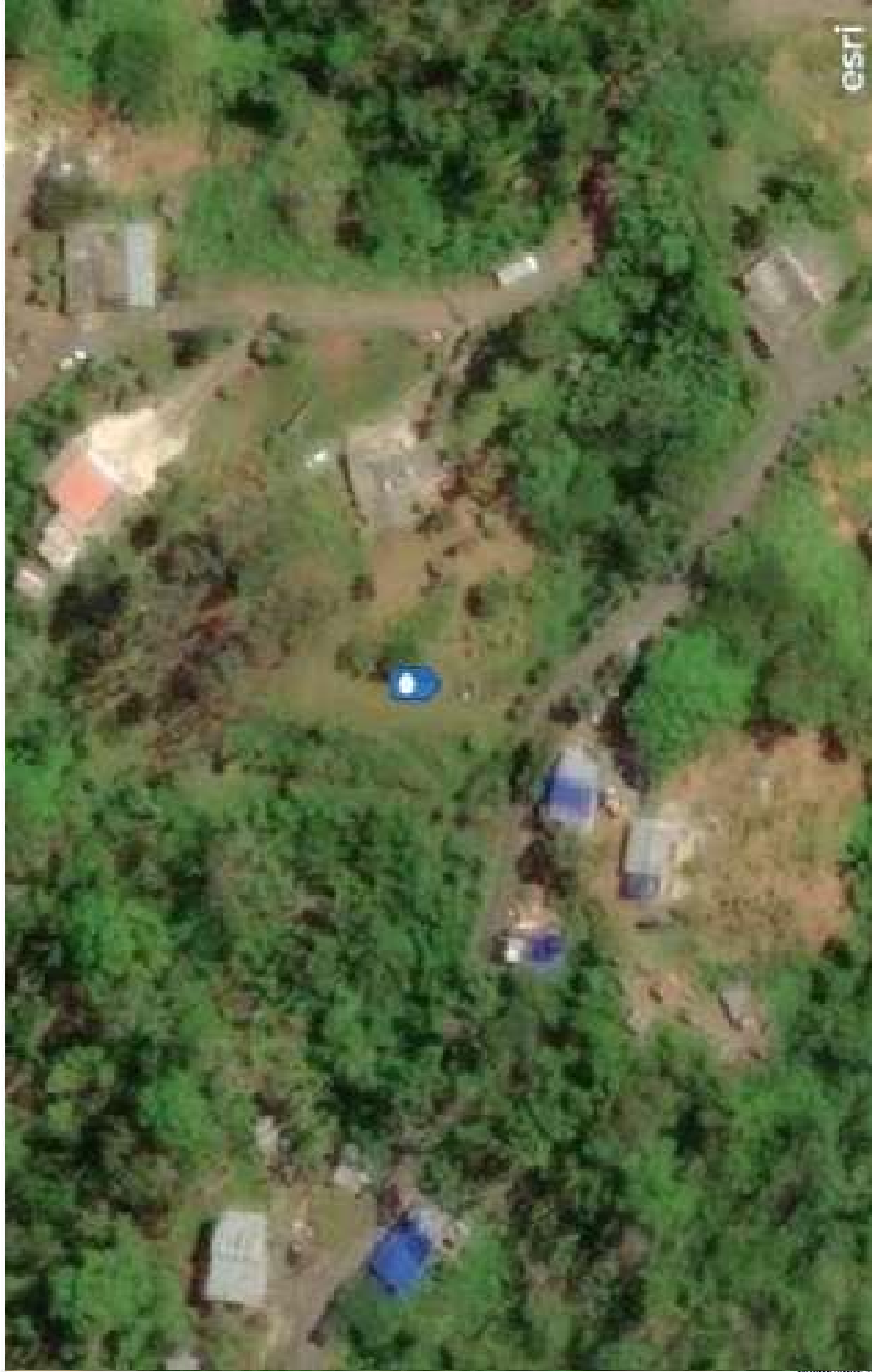
A Floodway



AE Floodway



Coastal A Zone and Floodway



PUERTO RICO



Figure 6: ADVISORY BASE FLOOD ELEVATION

ACT APPLICANT ID: PR-RGRW-00024

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Alerta, PR 00606

Name Of Development: Alexis Nieves Torres

Parcel Coordinates: 18.182650, -66.996880



Source: FEMA

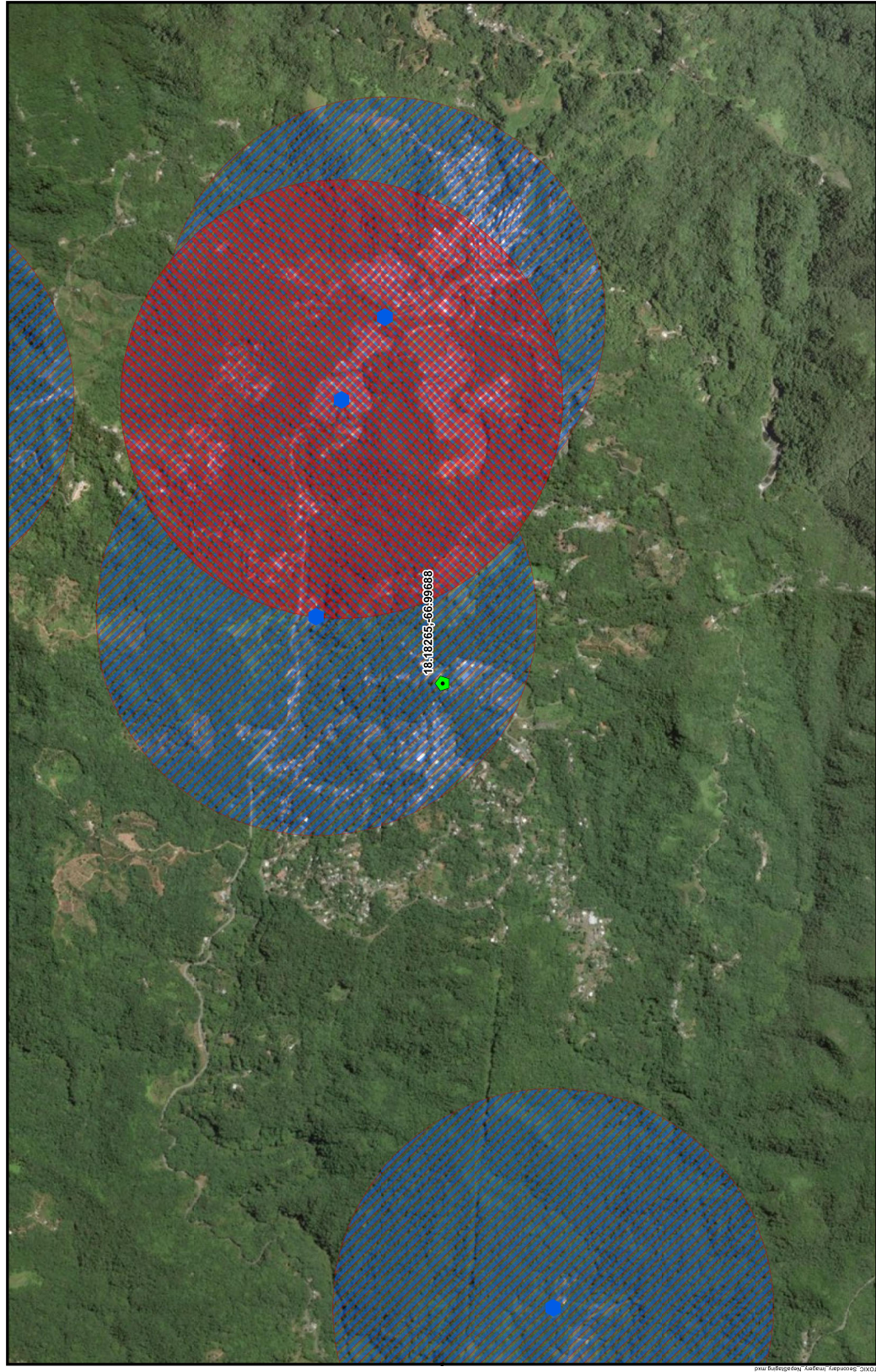
https://gis.fema.gov

Author: TS

Date: 2/16/2023



0 140 280 Feet



- Legend**
- RCRA
 - Project Parcel
 - ▲ Toxic Release Inventory Site
 - Superfund Site
 - Brownfield Sites
 - 3000 Ft Buffer TRI
 - 3000 Ft Buffer Superfund
 - 3000 Ft Buffer RCRA
 - 3000 Ft Buffer Brownfield

PUERTO RICO

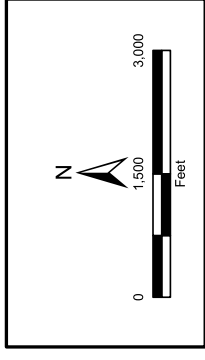


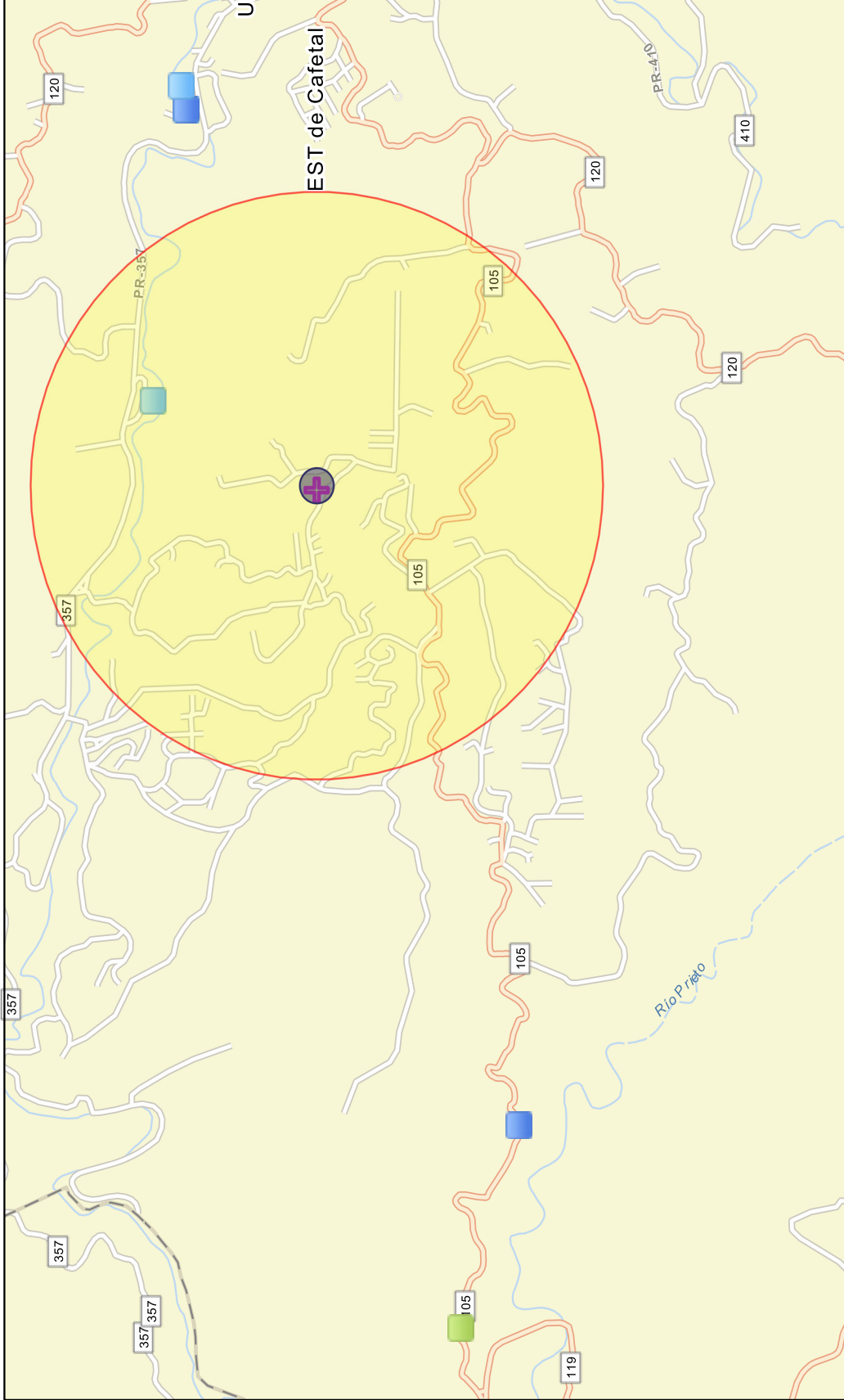
FIGURE 8: TOXIC CHEMICALS AND GASES, HAZARDOUS MATERIALS, CONTAMINATION, AND RADIOACTIVE SUBSTANCES

APPLICANT ID: PR-RGRW-00024

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Aleria, PR 00606
 Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880



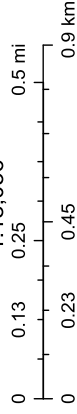
Source: E.P.A.
<https://www.epa.gov/its/geospatial/data-download-services>
 Author: JB/AK
 Date: 10/27/2022



February 22, 2023 Parcel Coordinates: 18.182650, -66.996880

- Project Buffer
- Air Pollution (ICIS-AIR)
- Toxic Releases (TRI)
- Project 1
- Hazardous Waste (RCRAInfo)
- + Search Result (point)
- Water Dischargers (NPDES)
- Hazardous Waste (RCRAInfo)

1:18,056



Esri Community Maps Contributors, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METUNASA, USGS, NPS, US Census



Source: <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>

Date: 11/2/2022

FIGURE 9: NEPASSIST MAP

APPLICANT ID: PR-RGRW-01620

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Alerita, PR 00606

Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880



Legend
Project Parcel



PUERTO RICO

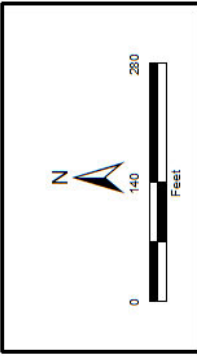


FIGURE 10: ENDANGERED SPECIES REPORT

APPLICANT ID: PR-RGRW-00024

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Alerta, PR 00606

Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880



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

Author: TS DATE: 10/12/2022

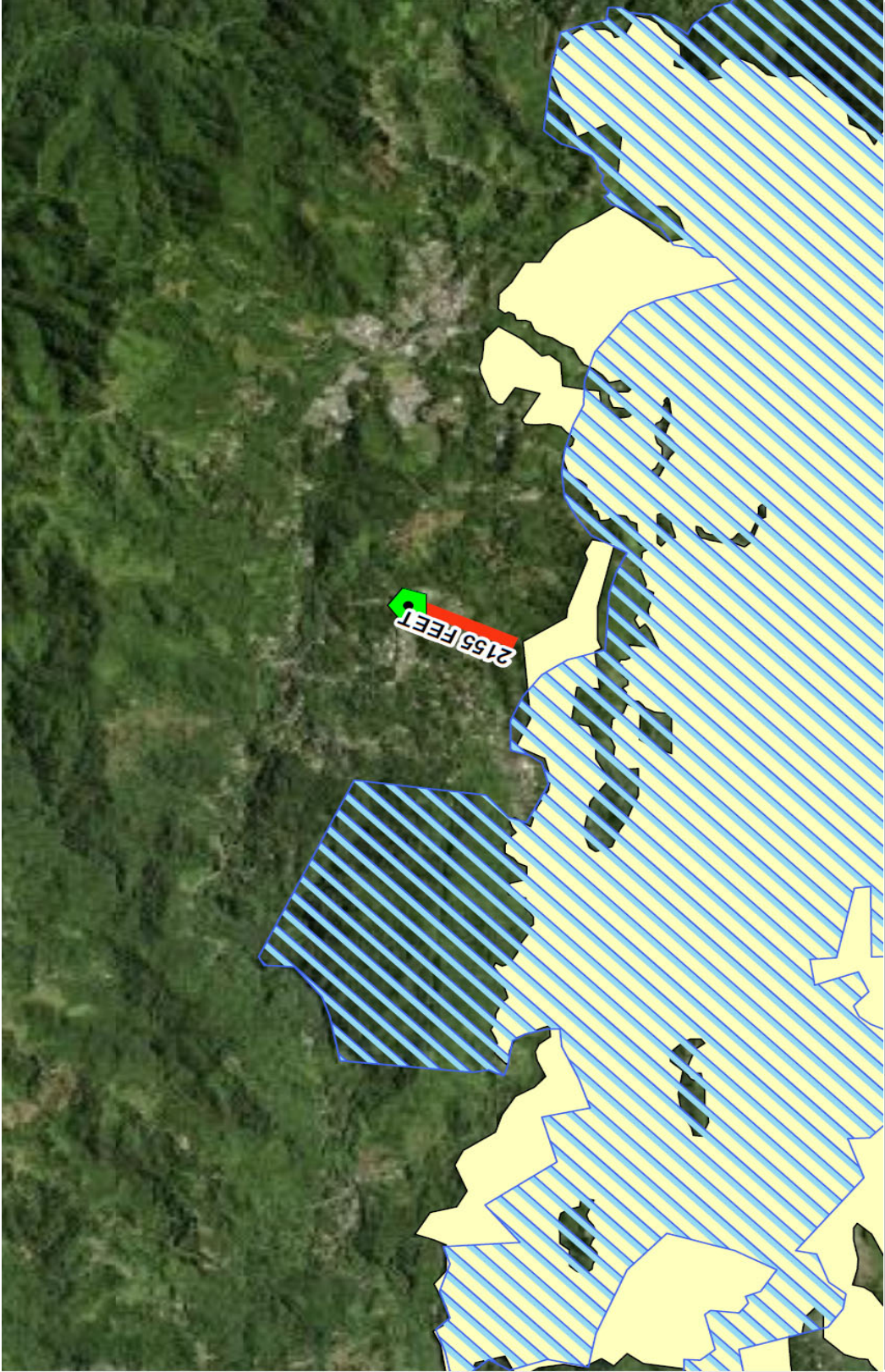
Legend

Project Parcel

Critical Habitat

Elfin-woods warbler

Puerto Rico harlequin butterfly



PUERTO RICO



N

0 5,200 10,400

Feet

FIGURE 11: CRITICAL HABITAT

APPLICANT ID: PR-RGRW-00024

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Alerta, PR 00606

Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.986880



TETRA TECH

Date: 10/4/2022

Author: TG



- Legend**
- Project Parcel
 - Farm Class**
 - All areas are prime farmland
 - Farmland of statewide importance
 - Farmland of statewide importance, if irrigated
 - Prime farmland if drained
 - Prime farmland if irrigated
 - Prime farmland if irrigated and reclaimed of excess salts and sodium
 - Prime farmland if protected from flooding or not frequently flooded during the growing season

PUERTO RICO

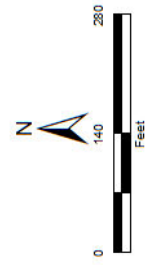
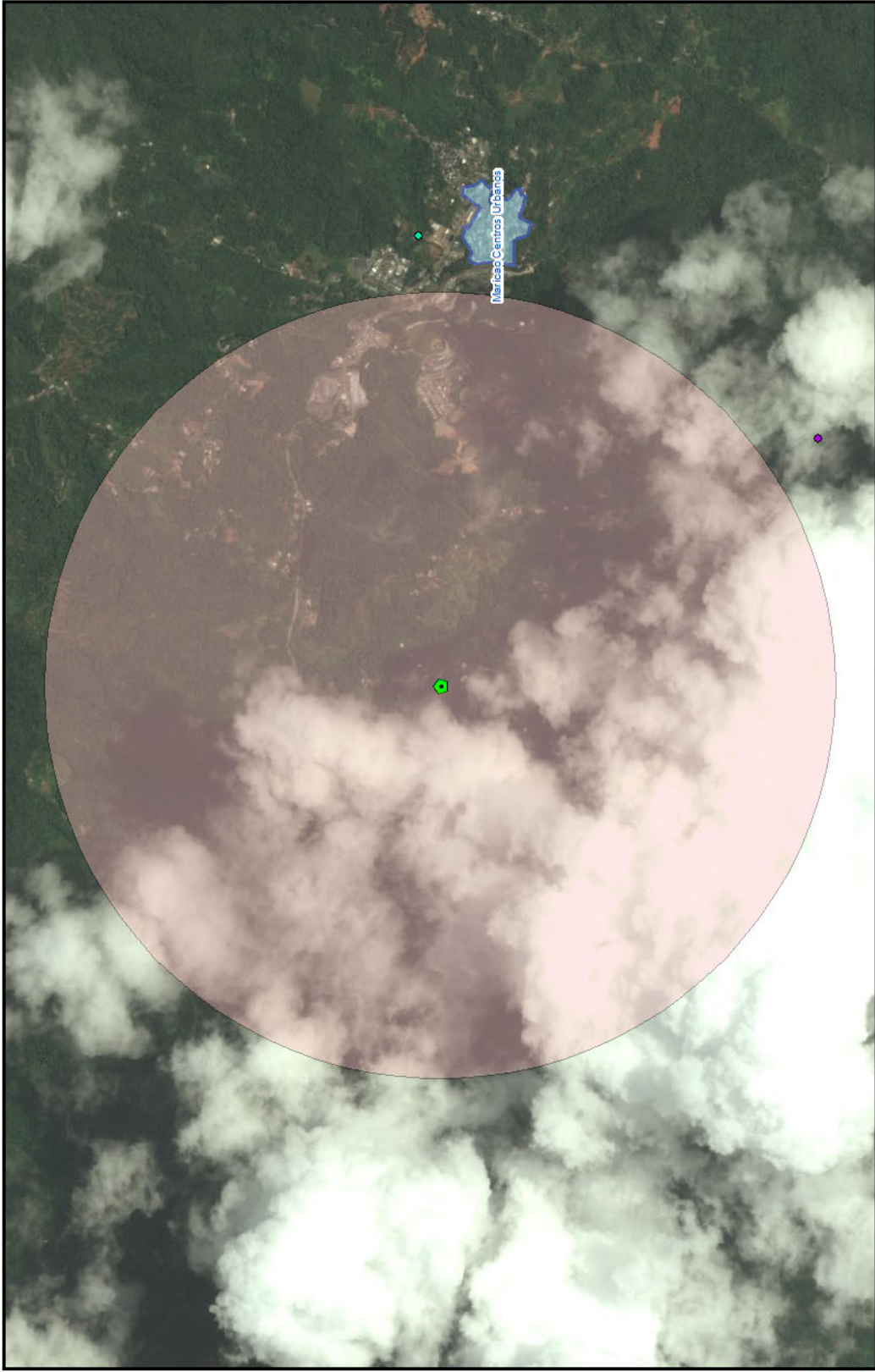


FIGURE 12: FARMLAND PROTECTION
APPLICANT ID: PR-RGRW-00024

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Alerta, PR 00606
 Name of Development: Alexis Nieves Torres. Parcel Coordinates: -18.182650, -66.996880



Source: USDA
<https://websoilsurvey.sc.egov.usda.gov>
 Date: 10/21/2022
 Author: TS



- Legend**
- Project Parcel
 - Historic ICP Sites
 - Cultural Resource Building Point
 - Cultural Resource District Point
 - Cultural Resource Site Point
 - Cultural Resource Structure Point
 - Historic Comunidades
 - Traditional Urban Centers
 - Cultural Resource Building Polygon
 - Cultural Resource District Polygon
 - Cultural Resource Site Polygon
 - Cultural Resource Structure Polygon
 - 1 Mile Property Buffer

PUERTO RICO



N



FIGURE 13: HISTORIC PRESERVATION
APPLICANT ID: PR-RGRW-00024

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Alerta, PR 00606
 Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996



Source: National Park Service
<https://www.nps.gov/>
 Author: TGS

Date: 10/24/2022



Legend

Project Parcel

WETLAND TYPE

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine

PUERTO RICO

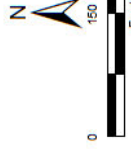


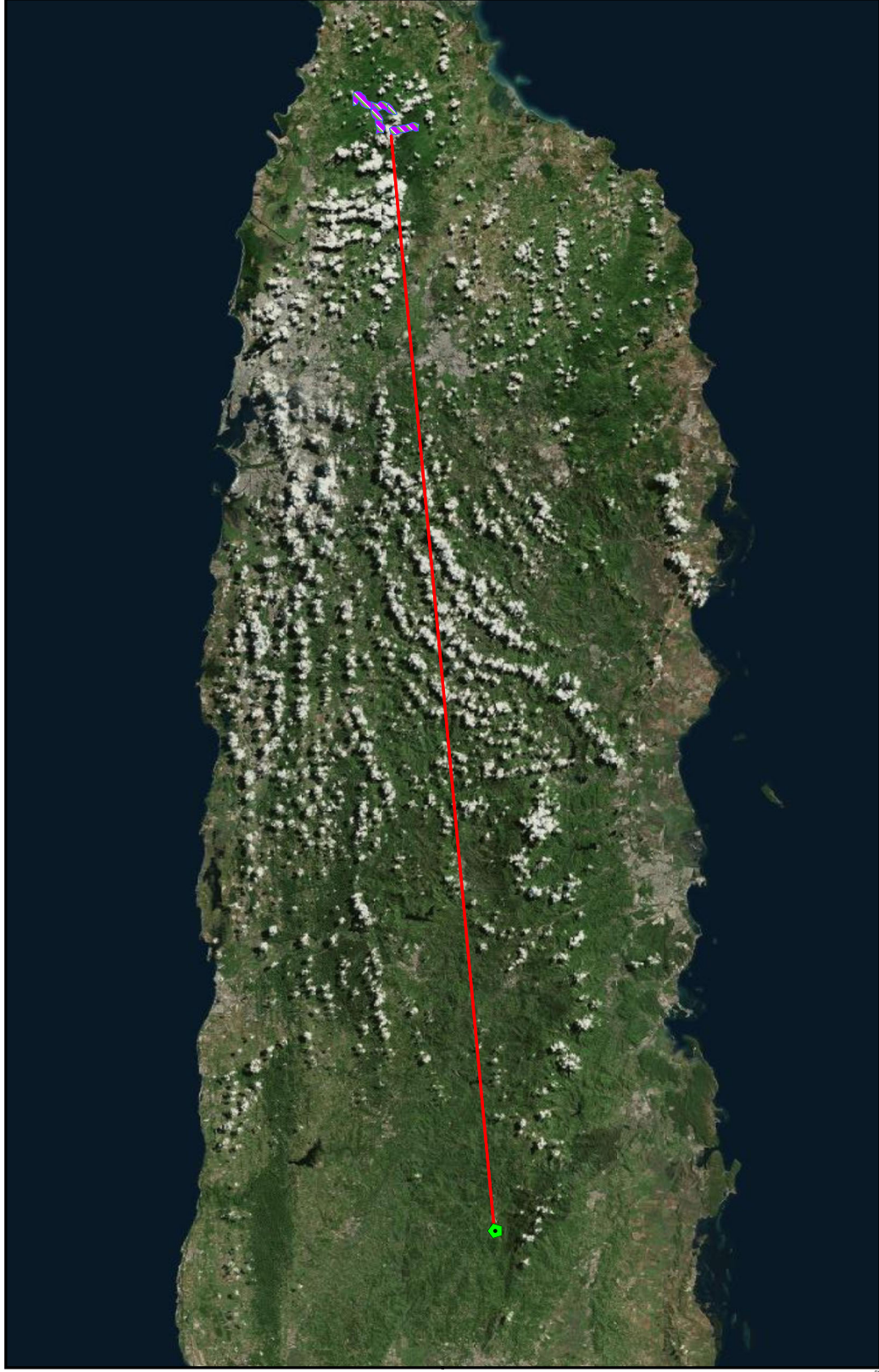
FIGURE 14: WETLANDS
APPLICANT ID: PR-RGRW-00024




ADDRESS: Bo. Montoso Carr 105 Km 20.2 Int Sector La Alerfa, PR 00606
 Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880



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

DATE: 10/4/2022
 AUTHOR: TS




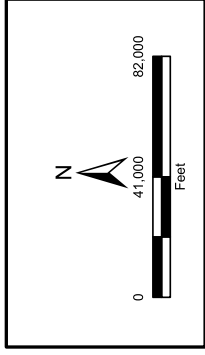
- Legend**
-  Project Parcel
 -  Nearest WSR
 -  Wild and Scenic Rivers







Distance to Nearest Wild and Scenic River in Feet: 419369

PUERTO RICO



 <p>TETRA TECH</p> <p>Source: U. S. Forest Service https://www.fs.usda.gov <small>Author: TG Date: 4/20/2023</small></p>	<p style="text-align: center;">Figure 15: WILD AND SCENIC RIVERS ACT</p> <p style="text-align: center;">APPLICANT ID: PR-RGRW-00024</p> <p style="text-align: center;">ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Aleta, PR 00606 Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880</p>
--	---



- Legend**
-  Project Parcel
 - Landslide Susceptibility**
 -  Extremely High
 -  Very High
 -  High
 -  Moderate
 -  Low



PUERTO RICO

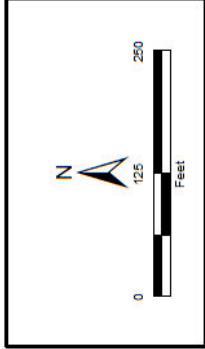


FIGURE 16: SLOPE AND EROSION
APPLICANT ID: PR-RGRW-00024

ADDRESS: Bo Montoso Carr 105 Km 20.2 Int Sector La Alverta, PR 00606
 Name of Development: Alexis Nieves Torres. Parcel Coordinates: 18.182650, -66.996880



Source: P. BOCH
 http://legis.mapa.pra.gov.com
 for use in development of Public Utility - 0506.ec771c45.16.06.1764.771.92.06.ee
 AUTHOR: TGS
 DATE: 10/12/2022

Appendix C

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 PM_{2.5} NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM_{2.5} NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 59009).

Change the State: PR

Important Notes: Download National Data as Excel | XLS | Data Dictionary (PDF)

County	NMQS	Area Name	Nonattainment in Year												Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes
PUERTO RICO			11	12	13	14	15	16	17	18	19	20	21						
Arecibo Municipio	Lead (2008)	Arecibo, RR													//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, RR													//		Part	22,921	72/021
Cataño Municipio	Sulfur Dioxide (2010)	San Juan, RR													//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, RR													02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, RR													//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, RR													//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, RR													//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, RR													//		Part	52,441	72/137

Detailed Facility Report



Detailed Facility Report

Facility Summary

PRASA MARICAO STP

PR-357 KM 2.0, MARICAO, PR 00606

FRS (Facility Registry Service) ID: 110007804386

EPA Region: 02

Latitude: 18.187368

Longitude: -66.994251

Locational Data Source: FRS

Industries: Utilities

Indian Country: N

Enforcement and Compliance Summary

Statute		CWA
Compliance Monitoring Activities (5 years)		2
Date of Last Compliance Monitoring Activity		03/28/2019
Compliance Status		Violation Identified
Qtrs in Noncompliance (of 12)		11
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)		--
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): Minor, Permit Effective (PR0020648), Minor, Permit Effective (PRL020648)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Resource Conservation and Recovery Act (RCRA):

Inactive Other, (PRD000689802)

Toxic Releases (TRD):

No Information

Safe Drinking Water Act (SDWA):

No Information

Compliance and Emissions Data Reporting Interface (CEDRI):

No Information

[Go To Enforcement/Compliance Details](#)

[Known Data Problems](#)

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007804386					N	18.187368	-66.994251
ICIS		32118					N	18.191639	-67.012773
ICIS		2655239					N	18.186901	-66.994066
ICIS		44371					N	18.186901	-66.994066
ICIS-NPDES	CWA	PR0020648	Minor: NPDES Individual Permit	Effective	POTW	04/30/2024	N	18.188889	-66.994444
ICIS-NPDES	CWA	PRL020648	Minor: Associated Permit Record	Effective	Biosolids	12/31/2025	N	18.187368	-66.994251
RCRA Info	RCRA	PRD000689802	Other	Inactive ()			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007804386	PRASA MARICAO STP	PR-357 KM 2.0, MARICAO, PR 00606	Maricao Municipio
ICIS		32118	PRASA - PLANTA DE ALCANTARILLADO DE MARICAO	CARR 357, KM 2.5, MARICAO, PR 00606	Maricao Municipio
ICIS		2655239	PRASA MARICAO STP	STATE RD 357, KM 2.0, MARICAO, PR 00606	Maricao Municipio
ICIS		44371	MARICAO STP	STATE RD 357 KM 2.0, MARICAO, PR 00606	Maricao Municipio
ICIS-NPDES	CWA	PR0020648	PRASA MARICAO WWTP	STATE ROAD 357, KM 2, MARICAO, PR 00706	Maricao Municipio
ICIS-NPDES	CWA	PRL020648	PRASA MARICAO	STATE ROAD 357, MARICAO, PR 00706	Maricao Municipio
RCRA Info	RCRA	PRD000689802	MARICAO STP	STATE RD 357 KM 2.0, MARICAO, PR 00762	Maricao Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description	System	Identifier	NAICS Code	NAICS Description
ICIS-NPDES	PR0020648	4952	Sewerage Systems	RCRA Info	PRD000689802	22132	Sewage Treatment Facilities

Facility NAICS (North American Industry Classification System) Codes

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description	Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
						No data records returned

Facility Tribe Information

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CWA	PR0020648	ICIS-NPDES	Offsite Record Review	Base Program - Desk Audit	EPA	01/23/2023	

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
► CWA	Solids, suspended Percent Removal 001 - A Percent Removal Neither				360%	53%		13%	7%				287%	33%
► CWA	Surfactants [MBAS] 001 - Q Effluent Gross NMth									16%				
	Late or Missing Discharge Monitoring Report (DMR) Measurements													
	Counts of Missing DMR Measurements	3	1					1						
	CWA (Source ID: PRL020648)	10/01-12/31/19	01/01-03/31/20	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-02/17/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	Undetermined
	Quarterly Noncompliance Report History													
Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+	
RCRA (Source ID: PRD000689802)	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23		
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	
	Violation Agency													

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?
210100030407	Rio Rosario	RIO MARICAO	No	No	Copper, total (as Cu) Enterococci	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRWR77C	RIO ROSARIO	Impaired - 303(d) Listed - With Restoration Plan	METALS (OTHER THAN MERCURY) PATHOGENS PESTICIDES	Not Supporting	Not Supporting	--	Not Supporting	--

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name
No data records returned

Community

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 - US ▼

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	0
Air Toxics Cancer Risk	69

Number of EJ Indexes Above 80th Percentile

4

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

Census Block Group E-J Indexes (percentile)	
Air Toxics Respiratory Hazard Index	45
Traffic Proximity	7
Lead Paint	91
Risk Management Plan (RMP) Facility Proximity	57
Hazardous Waste Proximity	53
Superfund Proximity	94
Underground Storage Tanks (UST)	85
Wastewater Discharge	95

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	2,151
Population Density	736/sq.mi.
Housing Units in Area	929

General Statistics (ACS (American Community Survey))	
Total Persons	980
Percent People of Color	98%
Households in Area	317
Households on Public Assistance	8
Persons With Low Income	858
Percent With Low Income	88%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.187368
Center Longitude	-66.994251
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	162 (50.94%)
\$15,000 - \$25,000	60 (18.87%)
\$25,000 - \$50,000	73 (22.96%)
\$50,000 - \$75,000	19 (5.97%)
Greater than \$75,000	4 (1.26%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	152 (7%)
Minors 17 years and younger	535 (25%)
Adults 18 years and older	1,615 (75%)
Seniors 65 years and older	277 (13%)

Race Breakdown (U.S. Census) - Persons (%)	
White	1,912 (89%)
African-American	133 (6%)
Hispanic-Origin	2,132 (99%)
Asian/Pacific Islander	4 (0%)
American Indian	7 (0%)
Other/Multiracial	94 (4%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	210 (28.65%)
9th through 12th Grade	77 (10.5%)
High School Diploma	247 (33.7%)
Some College/2-year	78 (10.64%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	73 (9.96%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Effluent Limit Exceedances Report

Effluent Limit Exceedances Report

PRASA MARICAO STP, MARICAO, PR, 00606

Facility Information				
NPDES (National Pollutant Discharge Elimination System) ID:	PR0020048			RIO MARICAO
FRS (Facility Registry Service) ID:	110007804386			Not found (210100030407)
Other NPDES (National Pollutant Discharge Elimination System) IDs associated with this FRS (Facility Registry Service) ID:	None			
TRI (Toxics Release Inventory) ID(s):	None			Yes
Major/Non-Major Indicator:	Non-Major			
Facility Type:	POTW			Not provided.
Latitude/Longitude:	18.187368/-66.994251			
4-Digit SIC (Standard Industrial Classification) Code:	4952 - SEWERAGE SYSTEMS			
6-Digit NAICS (North American Industry Classification System) Code:	--			
Permit Information				
Permit Status:	Effective			05/23/2016
Permit Issuance:	EPA REGION 02			02-2011-0007
Original Issue Date:	04/30/1975			--
Last Issue Date:	03/07/2019			
Permit Effective Date:	05/01/2019			
Permit Expiration Date:	04/30/2024			
DMR Signer:	Emilio Carlo			
Approved Pretreatment Program:	No			
Combined Sewer Overflow (CSO) Outfall:	No			
Receiving Watershed Information				
State Water Body Name (ICIS (Integrated Compliance Information System)):				
WBD (Watershed Boundary Dataset) Subwatershed Name / 12-Digit WBD (Watershed Boundary Dataset) HUC (Hydrologic Unit Code) (FRS Derived):				
Listed for Impairment (ATTAINS (Assessment, Total Maximum Daily Load (TMDL) Tracking and Implementation System)):				Yes
Impairment Class (ATTAINS (Assessment, Total Maximum Daily Load (TMDL) Tracking and Implementation System)):				Not provided.
Enforcement Information				
Last Formal Enforcement Action:				05/23/2016
Civil Enforcement Case Number:				02-2011-0007
DOJ/Court Docket Number:				--
Court Docket Number:				
Type Description:				Civil Judicial Action
Related Reports				
				View DMR Pollutant Loading Report
				View Detailed Facility Report
				View Effluent Charts

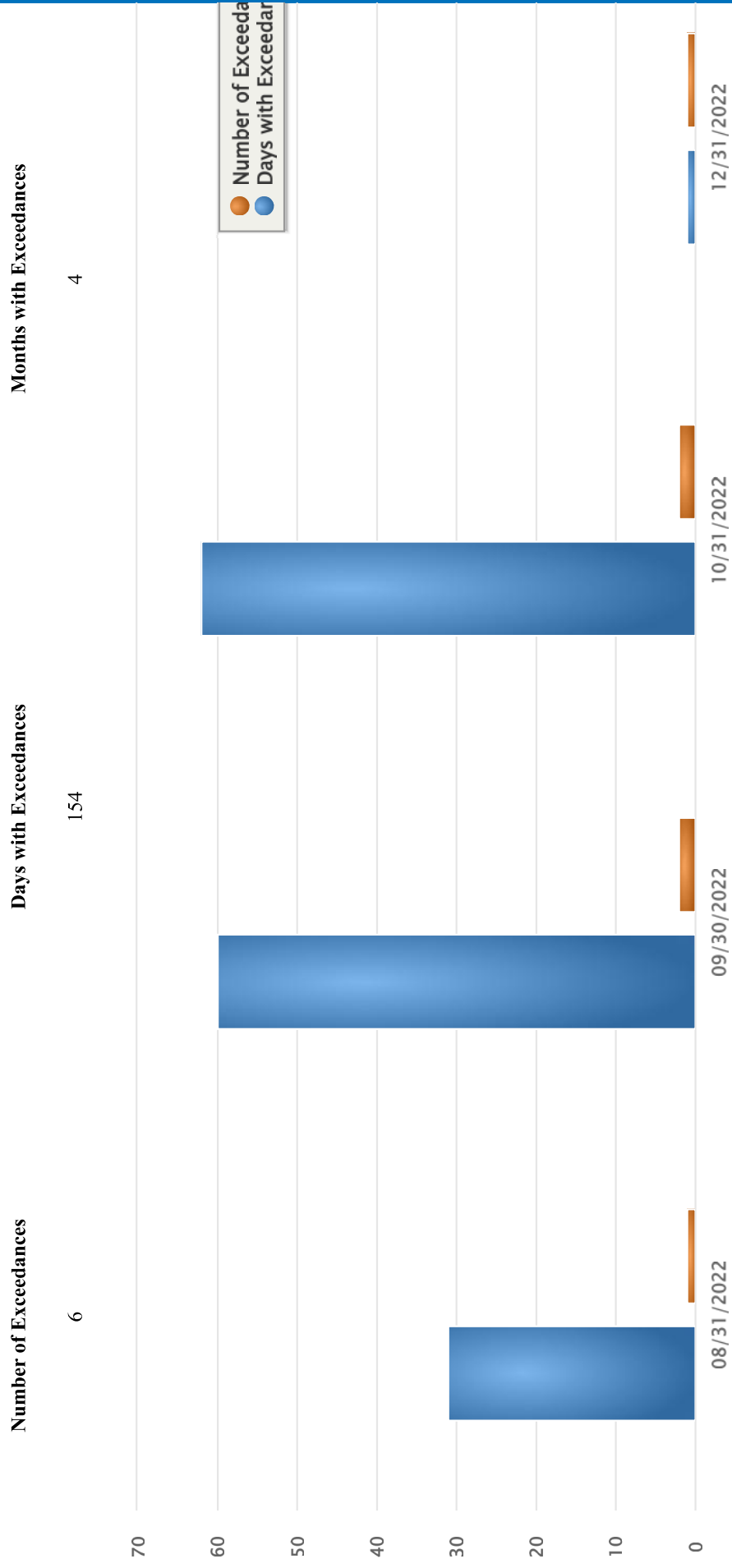
Report Options

Adjust Date Range: Mar. 2022 → Feb. 2023

Display records identified as potential outliers or data errors



Total Exceedance Counts



Exceedance Counts by Pollutant

Parameter Code	Description	Limit Type	Contains Potential Outliers?	Number of Exceedances	Days with Exceedances
50060	Chlorine, total residual	DAILY MX		1	1
81010	BOD, 5-day, percent removal	MO AV MN		3	92
81011	Solids, suspended percent removal	MO AV MN		2	61

Exceedance Details

Date	Outfall	Parameter	Average Daily Flow (MGD)	Limit Type	DMR Value	Limit Value	Percent Exceedance	Load over Limit (lb/period)	Load over Limit (lb-eq/period)	Days per Period	Days with Exceedances
08/31/2022	001	81010 - BOD, 5-day, percent removal	--	MO AV MN	82 %	>= 85 %	20	--	--	31	31
09/30/2022	001	81010 - BOD, 5-day, percent removal	--	MO AV MN	71 %	>= 85 %	93	--	--	30	30
09/30/2022	001	81011 - Solids, suspended percent removal	--	MO AV MN	42 %	>= 85 %	287	--	--	30	30
10/31/2022	001	81010 - BOD, 5-day, percent removal	--	MO AV MN	65 %	>= 85 %	133	--	--	31	31
10/31/2022	001	81011 - Solids, suspended percent removal	--	MO AV MN	80 %	>= 85 %	33	--	--	31	31
12/31/2022	001	50060 - Chlorine, total residual	0.0760	DAILY MX	0.0700 mg/L	<= 0 mg/L	536	1.16	0.5801	31	1

Appendix D

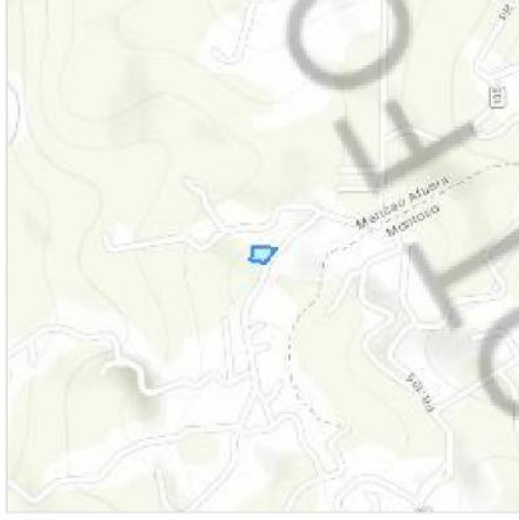
IPaC resource list

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

Maricao 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 COMSULTATION

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:

Birds

NAME	STATUS
Puerto Rican Broad-winged Hawk <i>Buteo platypterus brunnescens</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5512	Endangered
Puerto Rican Parrot <i>Amazona vittata</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3067	Endangered
Puerto Rican Sharp-shinned Hawk <i>Accipiter striatus venator</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/604	Endangered

Reptiles

NAME	STATUS
------	--------

Endangered

Puerto Rican Boa *Chilabothrus inornatus*
Wherever found

No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/6628>

Insects

NAME

STATUS

Threatened

Puerto Rican Harlequin Butterfly *Atlantea tulita*

Wherever found

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

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

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](#).

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

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

January 23, 2023

Lauren Bair Poche

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

SHPO: 01-04-23-05 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW
PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, PR-RGRW-00024,
ALEX NIEVES TORRES, BO. MARICAO AFUERA, PR-105 KM 20.2 INT., SECTOR ALERTA,
MARICAO, 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



January 4, 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-00018 – Alex Nieves Torres – Bo. Maricao Afuera, Carr. PR-105 Km 20.2 Int., Sector Alerta, Maricao, Puerto Rico – *No Historic Properties Affected*

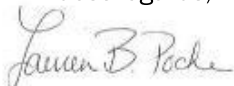
Dear Architect Rubio Cancela,

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 Alexis Nieves Torres at Bo. Maricao Afuera, Carr. R-105 Km 20.2 Int. Sector Alerta in the municipality of Maricao. This undertaking will involve the construction of one greenhouse measuring 150' long by 25' wide. Based on the submitted documentation prepared by SOI-qualified Archaeologist Jesus E. Vega, Ph.D., 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: Alexis Nieves Torres		
Case ID: PR-RGRW-00024	City: Maricao	

Project Location: Bo. Maricao Afuera Carr. PR-105 Km 20.2 Int. Sector Alerta, Maricao, PR	
Project Coordinates: 18.182650, -66.996880	
TPID (Número de Catastro): 262-001-002-15-001	
Type of Undertaking:	
<input type="checkbox"/> Substantial Repair	
<input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): c2000	Property Size (acres): 2.24

SOI-Qualified Architect/Architectural Historian: n/a
Date Reviewed: n/a
SOI-Qualified Archaeologist: Jesus E. Vega, Ph.D.
Date Reviewed: December 19, 2022


In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the NRHP and any properties not listed that would be considered eligible for listing that are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties.

Project Description (Undertaking)

The proposed activity at the farm of Alexis Nieves Torres is the construction of a new greenhouse, 150' long by 25' wide, in compliance with Section 106 NHPA Effect Determination. This activity will require ground disturbance. The property is located at Bo. Maricao Afuera, at Carr. PR-105 Km 20.2 Int. Sector Alerta, Municipality of Maricao. To the southwest, the property is close to the border with Bo. Montoso, also in Maricao. This land is currently used for harvesting coffee beans and for sheep pasturing.

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 includes a 150' long by 25' wide greenhouse, within a 180' long by 28' wide terrace, located at 18.18265° N, -66.99688° W. The direct APE includes a 15-meter buffer to the rear and sides. The visual APE is the viewshed of the proposed project.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ReGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Alexis Nieves Torres	
Case ID: PR-RGRW-00024	City: Maricao

Identification of Historic Properties - Archaeology


Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that there are no reported archaeological sites and/or NRHP listed/eligible historic properties within a half-mile radius of the property. "No data" in Table 1 denotes no corresponding Institute of Puerto Rican Culture (IPRC), State Historic Preservation Office (SHPO), or National Register of Historic Places (NRHP) identification was found. The proposed project is located in rural, mountainous terrain, on soil classified as Humatas clay (HmF2), with 40 to 60 percent slopes, surrounded by secondary forest vegetation cover, 465 meters above mean sea level. The west coast is approximately 10.71 miles northwest of the property. The closest fresh-water bodies are two tributaries of Río Maricao, 0.07 miles south and 0.12 miles northeast, and Río Maricao, 0.35 miles north of the property. There are no archaeological studies conducted within a half-mile radius of the APE.

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	No data

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	Nd	No data	No data	No data


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: Alexis Nieves Torres	
Case ID: PR-RGRW-00024	City: Maricao

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 archaeological materials or significant cultural properties within a half-mile radius of the proposed project area. 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-00024 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 surrounding terrain has been minimally impacted by construction of agricultural infrastructure and public roads. Therefore, the Program has determined that project actions described in the undertaking will not impact any cultural properties.

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: Alexis Nieves Torres	
Case ID: PR-RGRW-00024	City: Maricao

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

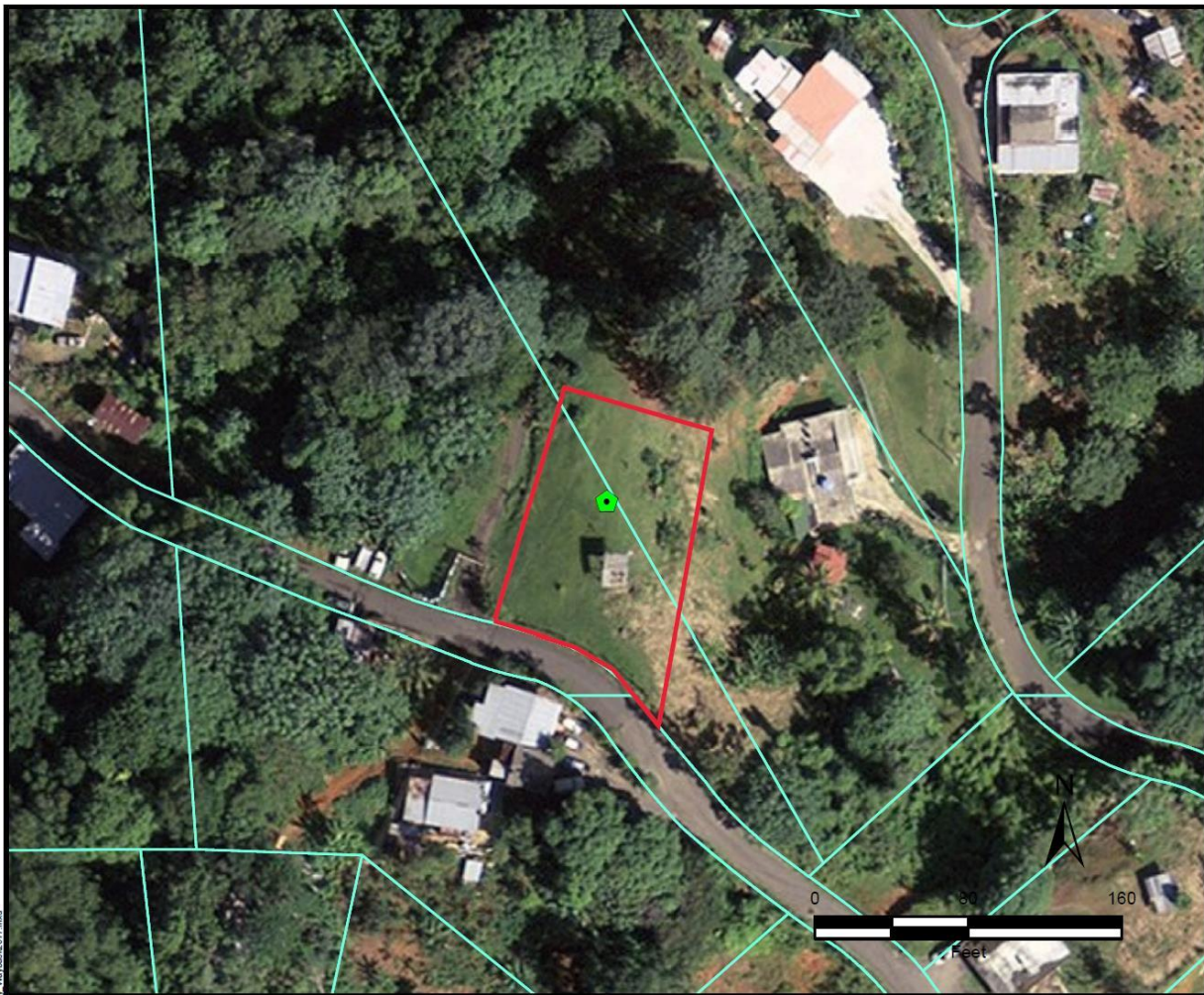
The Puerto Rico State Historic Preservation Office has reviewed the above information and: <input type="checkbox"/> Concurs with the information provided. <input type="checkbox"/> Does not concur with the information provided.	
Comments: 	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Subrecipient: Alexis Nieves Torres

Case ID: PR-RGRW-00024




City: Maricao

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



Source: CRIM

Legend

-  Tier 2 Site
-  Parcelario
-  Area of Potential Effect



File Path: Z:\Bata\USPR\Tier2\APE_Archaeology_Secondary_Inventory_Maricao2017.mxd

Author: TG

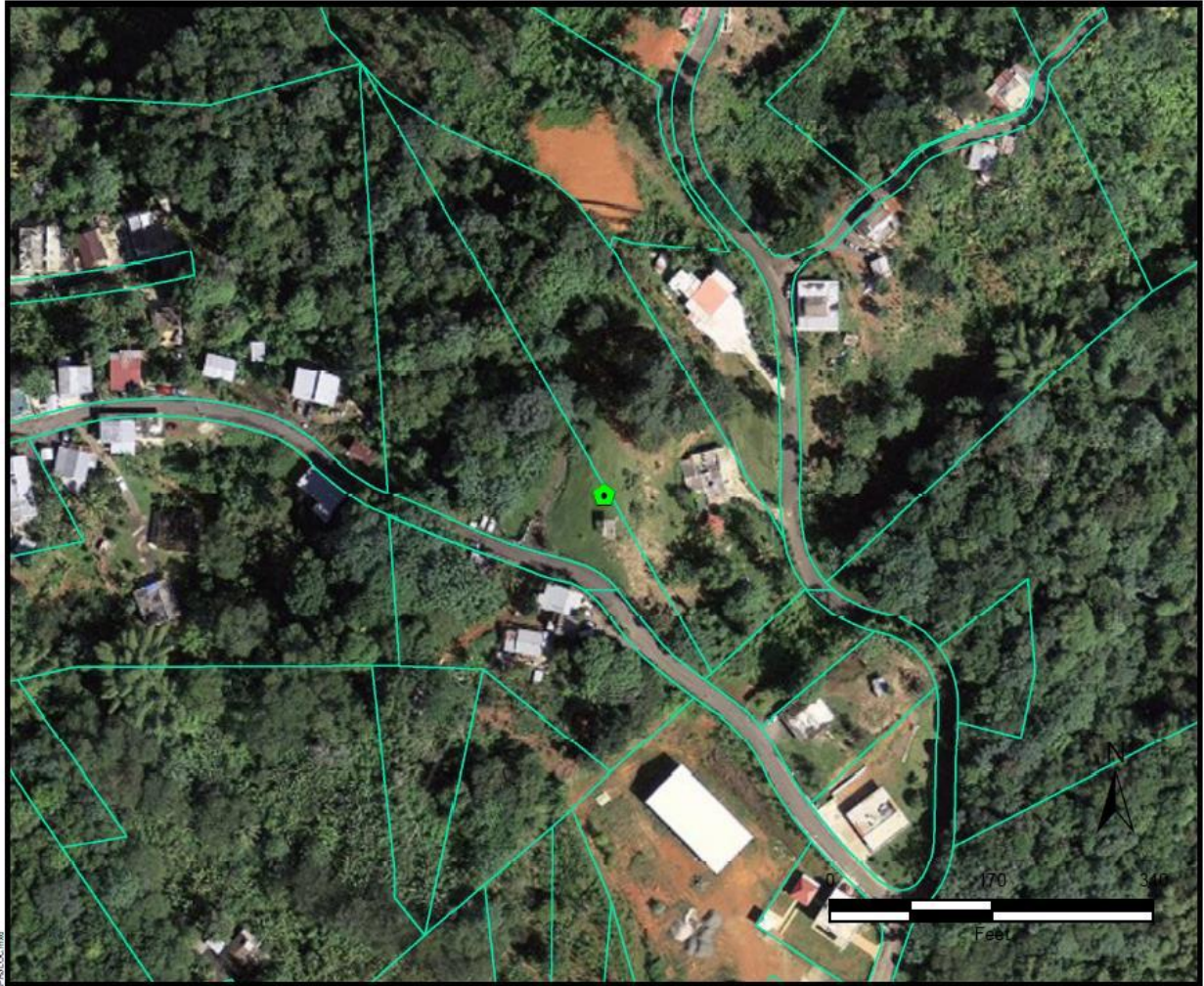
Date: 10/7/2022

Subrecipient: Alexis Nieves Torres

Case ID: PR-RGRW-00024

City: Maricao

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

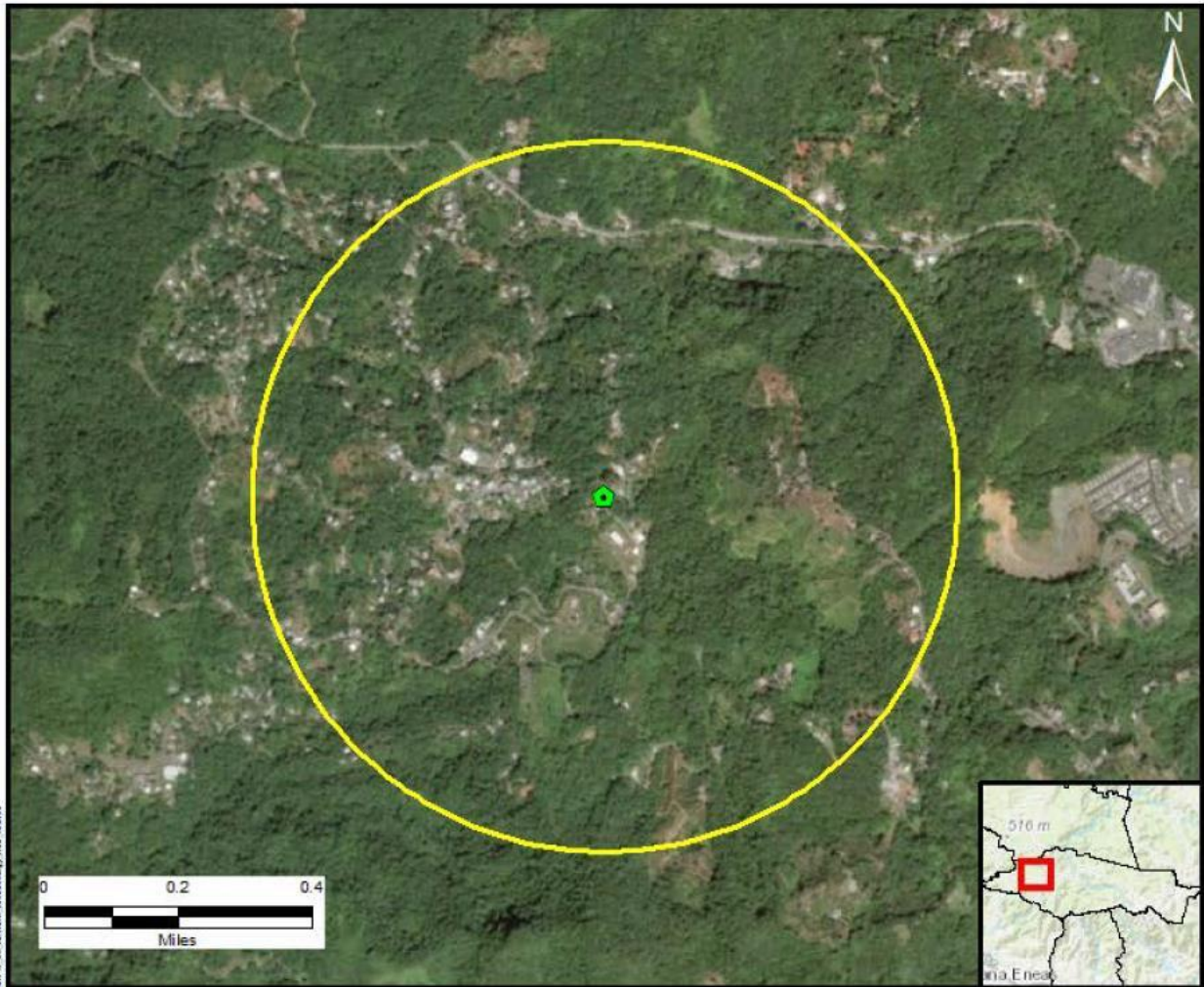


Subrecipient: Alexis Nieves Torres

Case ID: PR-RGRW-00024

City: Maricao

Project (Parcel) Location with Previous Investigations - Aerial Map



Source: National Park Service

Author: TG

Date: 9/29/2022

Legend

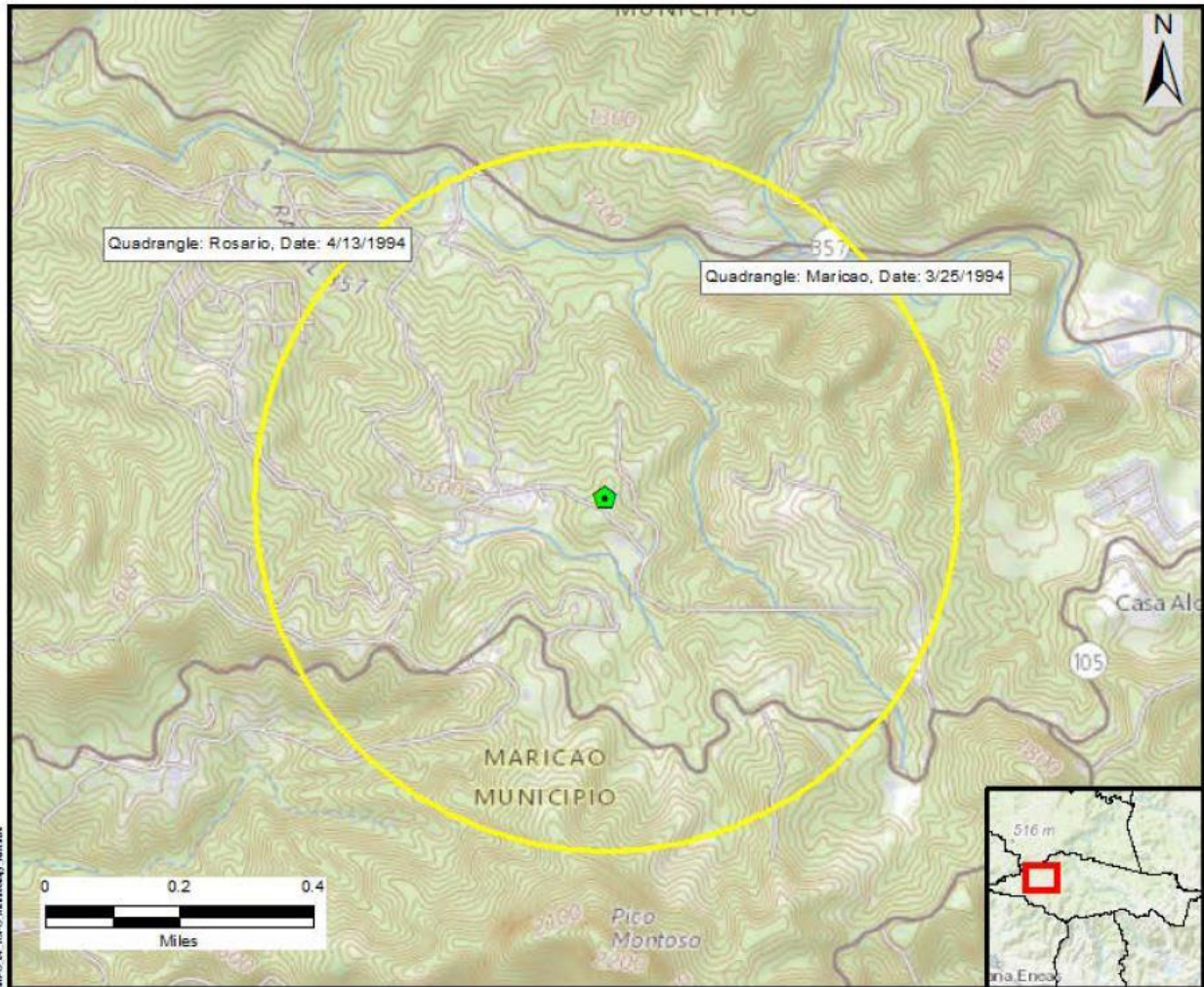
-  Tier 2 Site
-  Half Mile Buffer
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon

Subrecipient: Alexis Nieves Torres

Case ID: PR-RGRW-00024

City: Maricao

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

Subrecipient: Alexis Nieves Torres

Case ID: PR-RGRW-00024

City: Maricao

Photograph Key



Subrecipient: Alexis Nieves Torres

Case ID: PR-RGRW-00024

City: Maricao



Photo # 1:

Description (include direction): North

Date: 11/22/2022

Scope of Work, Area 1



Photo # 2:

Description (include direction): East

Date: 11/22/2022

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,



Juan C. Pérez Bofill, P.E. M.Eng
Director of Disaster Recovery
CDBG DR-MIT