

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-01543

Project Name: Two Rivers Farmhouse, LLC

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico/Vega Alta, PR

Preparer: Clifford Jarman

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

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

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

Project Location:

The property is a 3.58-acre site located at Carretera PR-678 Km 1.1 Sector Pampano Bo. Maricao, Municipality of Vega Alta, Puerto Rico (Parcel ID# 082-000-010-64-000). The coordinates of the project site are 18.380274, -66.315540.

This terrain was previously used for the cultivation of sugar cane and fruits and is currently breeding chicken and minor produce. The applicant already has one greenhouse and a chicken cage. Water and power supplies are currently provided by public services through the property in front of the area proposed for the new greenhouse. The residence building also contains the product processing space and a walk-in cooler. A septic tank is present in the parcel and in working condition.

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

The proposed project area is approximately 0.70 acres. The proposed use of grant funds is for the construction of a new greenhouse and a new van. The applicant already has one greenhouse (18.379720, -66.315600), approximately 150 feet south of the proposed location for the new one.

The new 90-foot long by 30-foot wide greenhouse would be constructed where the chicken cage is currently located (18.380274, -66.315540). The greenhouse will be constructed pouring small concrete footings at each post location. Ground cover and gravel will be used to protect the bare floor areas. A small amount of earthwork is required to open and to level the project area. Thirty-four (34) 24"36" holes will be dug at each post location for a concrete footing, with removal of any obstructions.

The property is connected to the local electricity and water service providers. The new greenhouse will be connected to these services. These services are connected at the property in front of the proposed location of the new greenhouse.

The applicant will add new underground PVC pipe for water supplies to water storage cistern to be installed next to the new greenhouse. The new water pipe would involve disturbance of approximately 35 linear feet to the right, or northeast side of the new greenhouse to connect to existing water supply. The depth of disturbance for the water pipe installation will be 4 to 6 inches.

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

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) will increase agricultural capacity while promoting and increasing food security island wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities. The purpose of this project is to increase the productivity of the farm. This agricultural project associated with the construction of a new greenhouse and purchase of a van is in keeping with the overall objectives of the Economic Development Program.

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

The land proposed for the installation of the greenhouse is used for agricultural purposes. Therefore, there is no change in land use associated with the project. Some ground disturbance will be required. The proposed project is located in hill terrain, previously used for sugar cane and fruit cultivation fifty years ago, and currently used for breeding livestock.

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

Estimated Total HUD Funded Amount: \$50,000

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$50,000

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 new greenhouse and the purchase of a van. The nearest civil airport is approximately 77,503 feet from the proposed site. The nearest military airport is approximately 96,321 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 .

<p>Coastal Barrier Resources</p> <p>Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Puerto Rico has various Coastal Barrier Resources Systems (CBRS). The project is in eastern Puerto Rico. The distance to the nearest CBRS unit is 39,181 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.</p>
<p>Flood Insurance</p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a 100-year floodplain per Floodplain Insurance Map 72000C0315J, effective date November 18, 2009. This project is in compliance with Floodplain Insurance requirements. (See Figures 4 and 5 in Appendix B.)</p>

<p>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</p>		
<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a county or air quality management district that is in attainment status or non-attainment status for any criteria pollutants. The Municipio of Vega Alta is not listed in the EPA Green Book “Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants” The construction of the new greenhouse and the purchase of a van would have no impact on air quality. The project is in compliance with Clean Air Act. Refer to EPA listing in Appendix C.</p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located 32,110 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</p> <p>24 CFR Part 58.5(i)(2)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>A site visit conducted on November 9, 2022, no debris or rubbish or visible signs vegetative stress, contamination, or toxic substances were noted at the project site.</p> <p>Site contamination was evaluated through online data searches to determine if toxic sites are located within 3,000-feet of the proposed project.</p>

		<p>There was 1 site identified within 3,000 feet of the project location. The Paitos Trucking Inc site located at Bo Pampanos Carr 678 Km 4.3, in Vega Alta, 1,244 feet northwest of the project site, is a RCRA listed site (See ECHO Report in Appendix C). As a RCRA site it is considered an active transporter with no violations over the last 3 years. With these conditions and the distance, there would not be any impacts to the project site.</p> <p>The project consists of the construction of a new greenhouse and the purchase of a van. See Appendix C. Refer to Figures 8 and 9 in Appendix B. The project is in compliance with Contamination and Toxic Substances.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project will have No Effect on listed species. According to EPA NEPAAssist Enviromapper, the nearest critical or proposed critical habitat is 37,182 feet to the northeast of the project location. Per the Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website, the Puerto Rican Boa can be found, but there 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 new greenhouse would be located in an area that has been used for agricultural purposes and the van used on developed roads.</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</p> <p><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</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project site is not designated as prime farmland or farmland of statewide importance. The project consists of the construction of a new greenhouse and the purchase of a van. 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>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a 100-year floodplain per Floodplain Insurance Map 72000C0315J, effective date November 18, 2009. The project site is not located in Preliminary Firm or 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</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project is located in hill terrain, previously used for sugar cane and fruit cultivation fifty years ago, and currently used for breeding livestock.</p> <p>The site was evaluated on January 17, 2023, and revised on March 15 and March 16, 2023, by an SOI Qualified Archaeologist. Documentation with maps was subsequently submitted to SHPO on March 21, 2023 (Appendix E). SHPO concurred with a finding of No Historic Properties Affected within the project’s Area of Potential on Effects on April 11, 2023. See Figure 13 in Appendix B. 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</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>HUD’s noise regulations protect residential properties from excessive noise exposure. The project consists of the construction of a new greenhouse and the purchase of a van at a farm site. HUD noise regulations do not apply as the</p>

Communities Act of 1978; 24 CFR Part 51 Subpart B		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.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	There are no EPA sole source aquifers in Puerto Rico. The project is in compliance with Sole Source Aquifer requirements.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The north coast is 35,957 feet northeast of the property. The closest fresh-water bodies include Río Lajas 370 feet north of the property, and Río Mavilla 5,702 feet southwest of the property. The NWI maps show no wetlands on the or adjacent to the project site. 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 .
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not within proximity of a National Wild and Scenic River (WSR). The distance to the nearest WSR is approximately 183,908 feet. The project is in compliance with the Wild and Scenic Rivers Act. Refer to Figure 16 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 or approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The proposed project is located on a private farm. The project consists of the construction of a new greenhouse and the purchase of a van. The project site is not zoned. The proposed action is compliant with the current agricultural land use of the Project area.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	<p>The proposed project is located on top of a hill with gentle slopes. Soils in the proposed project area classified as Colinas clay loam (ClF2), 40 to 60 percent slopes, surrounded by farmland, 120 meters above mean sea level.</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 0.70 acres.</p> <p>The project site is partly cleared and occupied by a chicken cage. A small amount of earthwork is required to open and to level the project area. The new water pipe would involve</p>

		<p>disturbance of approximately 35 linear feet to the right, or northeast side of the new greenhouse to connect to existing water supply. The depth of disturbance for the water pipe installation will be 4 to 6 inches.</p> <p>The project site area is rated “low to moderate” for landslide susceptibility (see Figure 17 in Appendix B). The proposed location of the greenhouse may require some grading and some excavation (4 to 6 inches deep) for the installation of water pipes.</p> <p>Standard construction BMPs would be used to control erosion and runoff during construction.</p> <p>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 residents and public from typical construction hazards.</p>
Energy Consumption	2	The project would not be connected to the local electricity provider. There would be no change in energy demand in the area.

Environmental Assessment Factor	Impact Code	Impact Evaluation
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. However, since the project will include an economic component, it may aid in restoring some employment opportunities and increase income.</p> <p>The proposed project would not negatively impact employment or income patterns.</p>
Demographic Character	2	The proposed project would not result in demographic character changes or displacement. Given the nature of the

Changes, Displacement		project area, no relocations or demolition of residential structures or businesses would occur as part of this project.
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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 include any bathrooms, wastewater, or sewage facilities. Current farm conditions would remain unchanged.
Water Supply	2	Applicant has access to a water supply from the local utility. The proposed project will have minor impact on water usage.
Public Safety - Police, Fire and	2	The proposed project would not create any new demand for emergency or health services.

Emergency Medical		
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 land previously used for agriculture 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. 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 9, 2022, by Carlos Medina.

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 growth of agricultural products at the farm would not increase. The project would allow more efficient processing of the agricultural products. Water use would increase to a minor degree in the new greenhouse but would only impact the existing site water supply. There are no other wells nearby to be affected.

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

The RGRW Program's goal is to increase agricultural capacity while promoting and increasing food security island-wide. This Program seeks to enhance and expand agricultural production related to economic revitalization and sustainable development activities. The applicant submitted a proposal to enhance and expand agricultural production on their property. The proposed use of grant funds will allow the applicant to expand the cultivation, processing, and delivery of agricultural products through the construction of a new greenhouse and the purchase of a van. 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 an area in front of the existing residence that includes product processing areas and a walk-in cooler, and close to existing water connections. The proposed site has been previously cultivated. Alternative locations on the property would be farther from the residence and water connections.

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 greenhouse and the purchase of a van 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
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Standard construction BMPs would be used to control erosion and runoff during construction.

Determination:

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

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

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

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

Preparer Signature:  Date: 04/25/23

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

Certifying Officer Signature:  Date: 7/11/2023

Name/Title: Pedro A. de León Rodríguez, MSEM/Permits and Environmental Compliance Specialist

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

Appendix A

Environmental Field Observation - Puerto Rico Department of Housing

APPLICANT INFORMATION			
Application ID	PR-RGRW-01543		
Applicant Name	Two Rivers Farmhouse LLC		
Property Address	Carretera 678 KM 1.1 Sector Pampano BO. Maricao,		
Parcel ID	082-000-010-64		
Coordinates	18.380274, -66.315540		
Inspector Name	Carlos O. Medina		
Inspection Date	11/09/2022		
Building Type	Pipe Metal Frame		
Number of Units	1		
Number of Stories	1		
Year Built; Data Source	C2015; Historian		
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"/>	Applicant plans to construct a new greenhouse approximately with measures of 90' x 30'. Eliminate the chicken cage and do ground disturbance.
B. Is structure a greenhouse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C. Is Electricity connected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Power is connected to the public services. The applicant will use this connection to provided to the new greenhouse.
D. Is water connected? (Utilities or Well)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Applicant stated he will use the actual water connection to provide to the greenhouse, through PVC tubes.
1. Are there signs of poor housekeeping on site? (mounds of rubble, garbage, storm debris, solid waste, petroleum products, paint, pesticides, cleaning fluids, vehicle batteries, abandoned vehicles, pits, pools, ponds of hazardous substances, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Are there any 55-gallon drums visible on site? If yes, are they leaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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 type="checkbox"/>	<input checked="" type="checkbox"/>	
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"/>	Storage for fertilizer and pesticides available. Lock and secure room.
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: PR-RGWR-01543

Correct coordinates in the center of the project area: 18.380274, -66.315540

Septic tank is present in the parcel and in working condition.

Scope of Work: New greenhouse.

Land current in use for: The land where the applicant plan to construct a new greenhouse is not in used. Only a cage with chickens is located.

Past land use was: Applicant stated the land was used previous for sugar cane and minor fruits. Around 40 to 50 years ago.

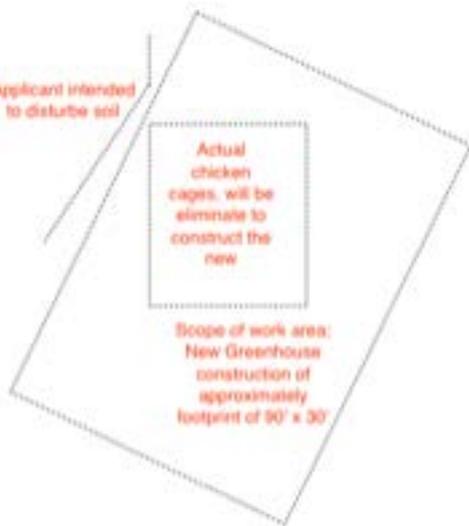
What the applicant plans to do: Applicants plans to construct an additional new greenhouse. The applicant have a greenhouse (around 150') south of the project location of the new greenhouse.

Where the applicant plans to do the ground disturbance for the new structures: Applicants plan to do ground disturbance of approximately 35' lineal at the right side (NE)of the intended location of the construction.

Any new water connection, well, cisterns or power connection: No new power or water meter. Applicant will add new PVC tubes for water supplies to the greenhouse. Applicant stated he will add a cistern at the location. Water and power supplies is provided by public services through the property located in front of the intended location of the new greenhouse.



Applicant intended to disturb soil



North



Front of Structure

Photo Direction: Southwest



Facing Away From Front

Photo Direction: Northeast



Side #1 of Structure

Photo Direction: Northwest



Facing Away From Side #1

Photo Direction: Southeast



Back of Structure

Photo Direction: Northeast



Facing Away From Back

Photo Direction: Southwest



Side #2 of Structure

Photo Direction: Southwest



Facing Away From Side #2

Photo Direction: Northeast



Streetscape #1

Photo Direction: Northeast



Streetscape #2

Photo Direction: Southwest



Address

Photo Direction: Southeast



Outbuildings

Photo Description: Applicant house and walking cooler

Photo Direction: Northeast



Outbuildings

Photo Description: Outbuilding for tools and construction material

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: South



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: East



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structure Occupied

Photo Description: Land current in use with a cage of chickens.

Photo Direction: South



Structure Occupied

Photo Description: Scope of work area

Photo Direction: Northwest



Structure Occupied

Photo Description: Scope of work area

Photo Direction: West



Electricity Connected

Photo Description: Power connected

Photo Direction: North



Appendix B



Legend

-  Object Parcel
-  Parcels

PUERTO RICO



Figure 1: PROJECT LOCATION

APPLICANT ID: PR-RGRW-01543

A Carretera 678 KM 1.1 Sector Pampano BO. Maricao Vena Alta

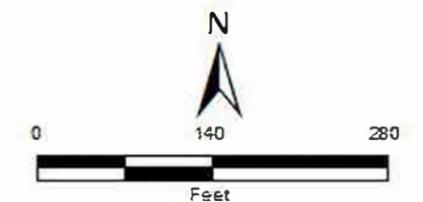
Name of Development: Two Rivers Farmhouse LLC

Parcel Coordinates: 18.380274, -66.315540



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

Author: TC Date: 2/20/2023





Legend

- Object 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: 77503

PUERTO RICO



Figure 2: AIRPORT ZONES

APPLICANT ID: PR-RGRW-01543

A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Veda Alta

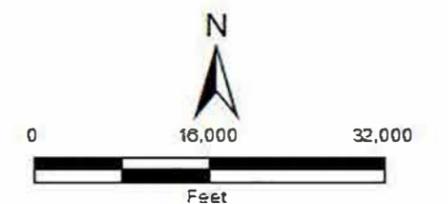
Name of Development: Two Rivers Farmhouse LLC

Parcel Coordinates: 18.380274, -66.315540



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

Author: TC Date: 10/4/2022





Legend



Coastal Barrier Resources System Unit Type

- Otherwise Protected Area
- System Unit

Distance to Nearest Coastal Barrier Resources System in Feet: 39,181

PUERTO RICO



Figure 3: COASTAL BARRIERS IMPROVEMENT ACT

APPLICANT ID: PR-RGRW-01543

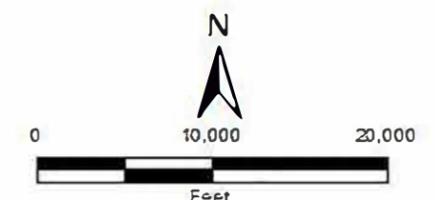
A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Vena Alta

Name of Development: Two Rivers Farmhouse LLC
 Parcel Coordinates: 18.380274, -66.315540



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

Author: TC Date: 10/4/2022





- Legend**
- Subject Parcel
 - FIRM Panels
 - Floodway
 - 100 Yr Floodzone
 - 500 Yr Floodzone
 - Area Of Minimal Flood Hazard
 - Unmapped for Floodplain

PUERTO RICO



Figure 4: FLOODPLAIN MANAGEMENT

APPLICANT ID: PR-RGRW-01543

A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Vega Alta

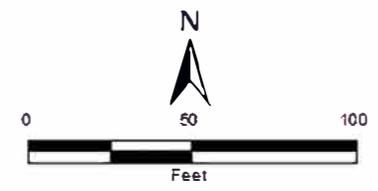
Name of Development: Two Rivers Farmhouse LLC

Parcel Coordinates: 18.380274, -66.315540

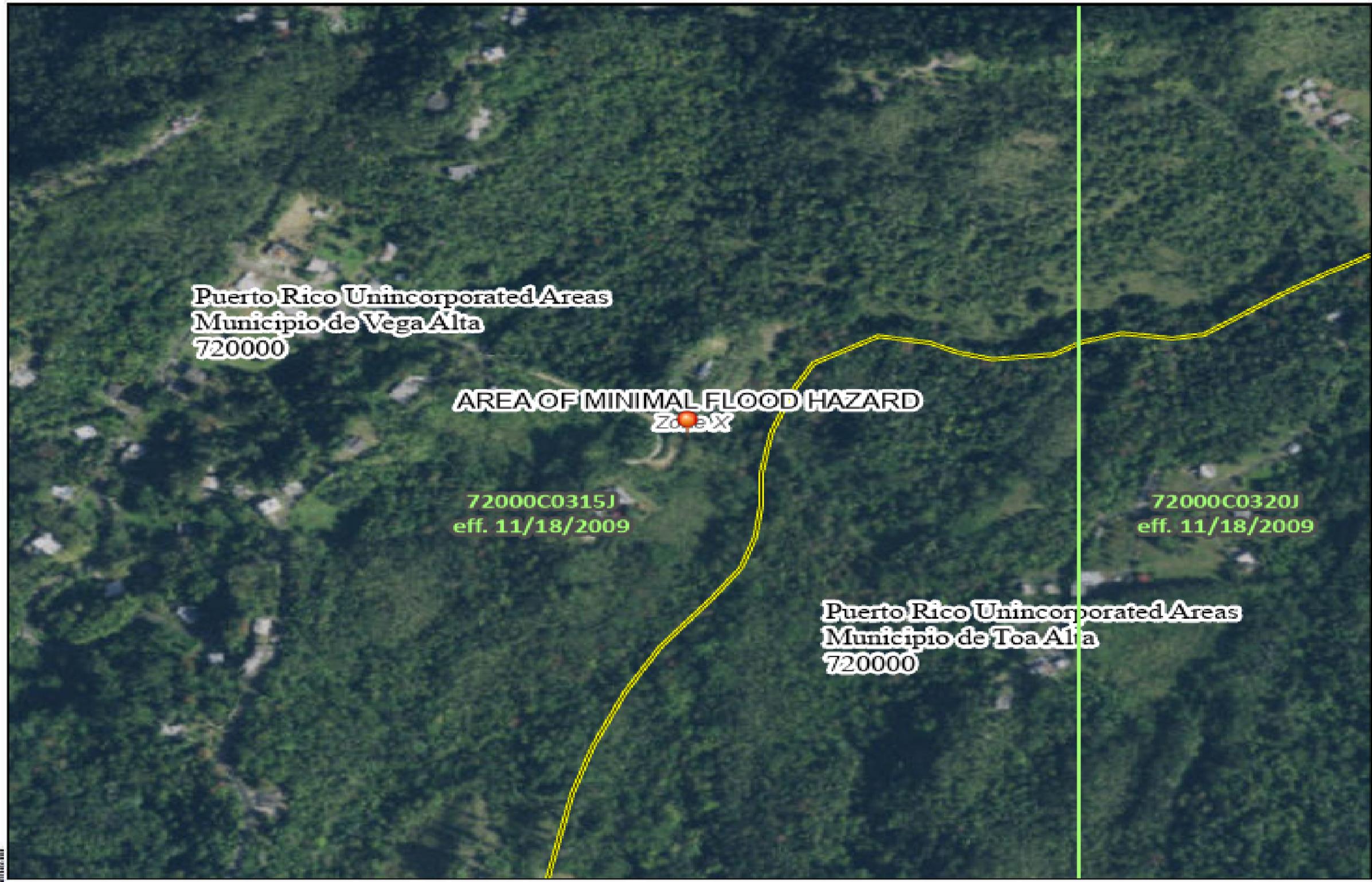


Source: FEMA
<https://msc.fema.gov>

Author: TG Date: 11/1/2022



The data contained herein are the property of Tetra Tech, Inc. and are not to be distributed, copied, or used for any purpose other than that for which they were provided.



Legend

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

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

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

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary

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.



FIGURE 5: NATIONAL FLOOD HAZARD LAYER FIRMETTE

APPLICANT ID: PR-RGRW-01543

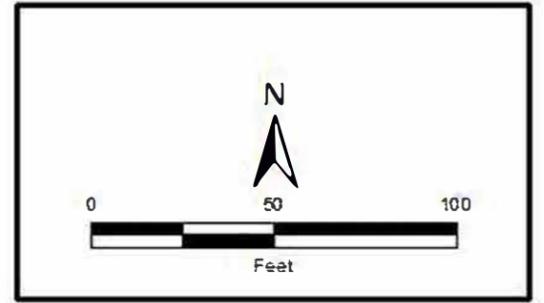
A Carretera 678 KM 1.1 Sector Pambano BO. Maricao, Vega Alta

Name of Development: Two Rivers Farmhouse LLC
Parcel Coordinates: 18.380274, -66.315540



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

Author: TC Date: 10/4/2022





- Legend**
- RCRA
 - Select 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-01543

A Carretera 678 KM 1.1 Sector Pambano BO. Maricao, Vega Alta

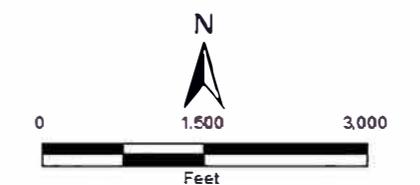
Name of Development: Two Rivers Farmhouse LLC
Parcel Coordinates: 18.380274, -66.315540



Source: E.P.A.

<https://www.epa.gov/fs/geospatial-data-download-service>

Date: 11/2/2022



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

1:18,056

0 0.13 0.25 0.45 0.9 km

0 0.23 0.45 0.9 mi

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

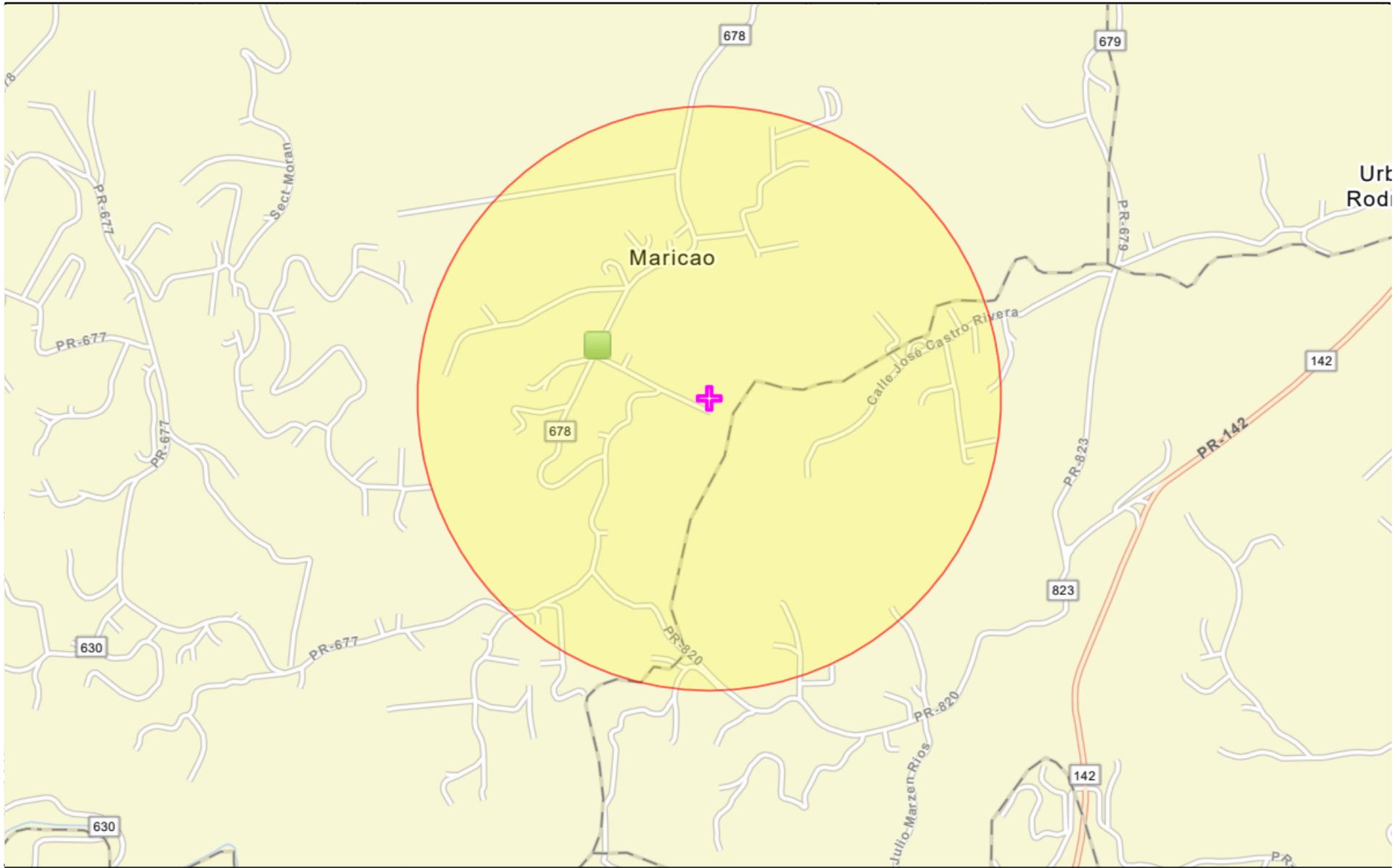


Figure 9: NEPA Assist Map

APPLICANT ID: PR-RGRW-01543

A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Vega Alta

Name of Development: Two Rivers Farmhouse LLC

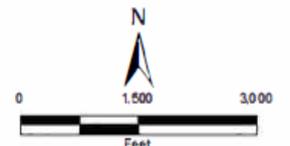
Parcel Coordinates: 18.380274, -66.315540



Source: EPA

<https://www.epa.gov/vfhs/geospatial-data-download-service>

Date: 11/02/22





Legend

PUERTO RICO



Figure 10: ENDANGERED SPECIES ACT

APPLICANT ID: PR-RGRW-01543

A Carretera 678 KM 1.1 Sector Pampano BO. Maricao Vega Alta

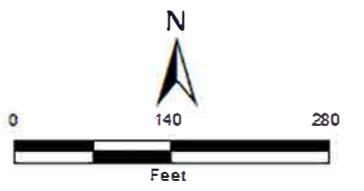
Name of Development: Two Rivers Farmhouse LLC
Parcel Coordinates: 18.380274, -66.315540

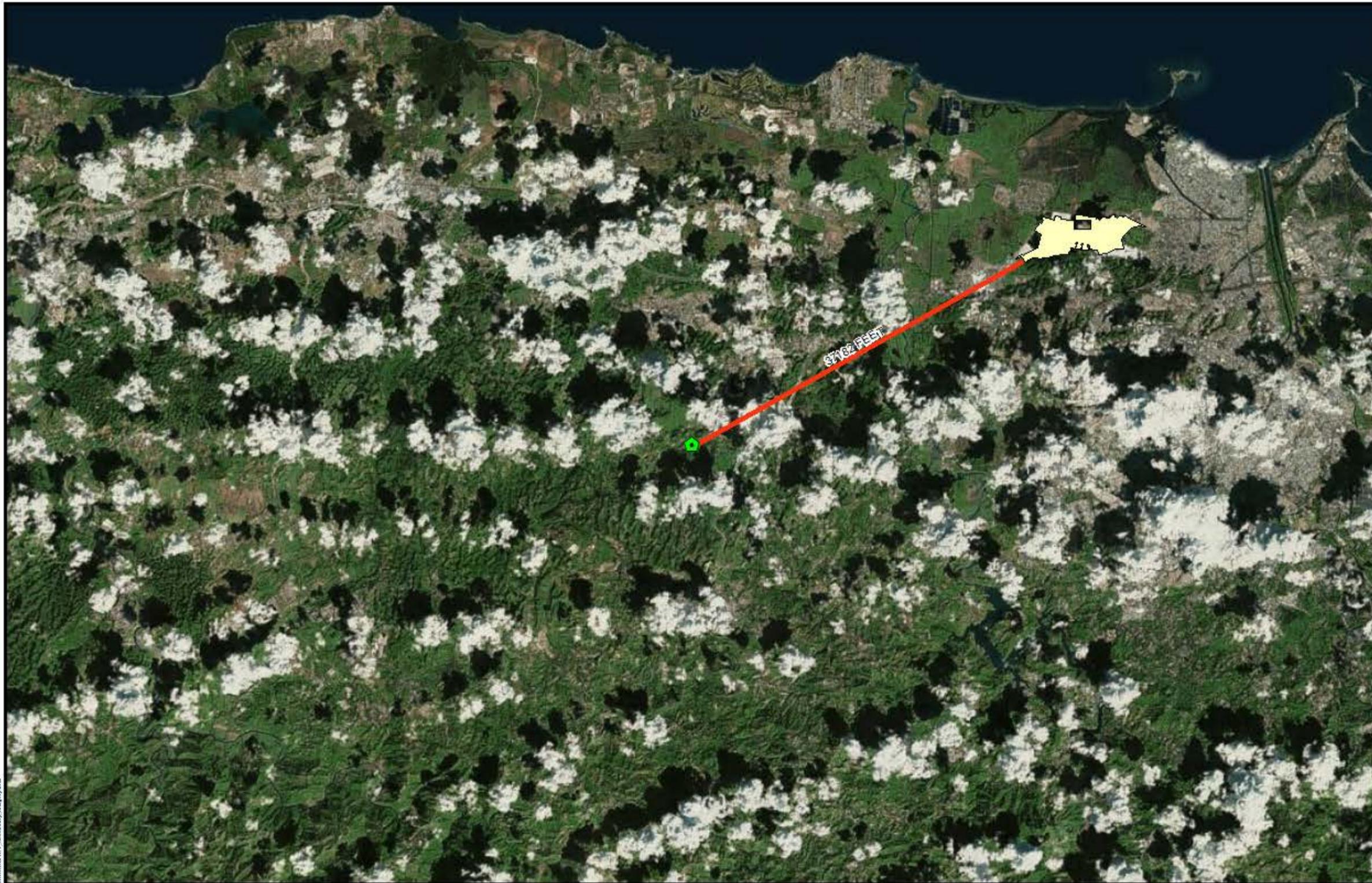


Source: U.S. FISH & WILDLIFE SERVICE



Date: 10/4/2022

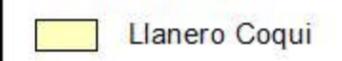




Legend



Common Name



Distance to nearest Critical Habitat in feet:
37,182

PUERTO RICO



Figure 11: Critical Habitat

APPLICANT ID: PR-RGRW-01543

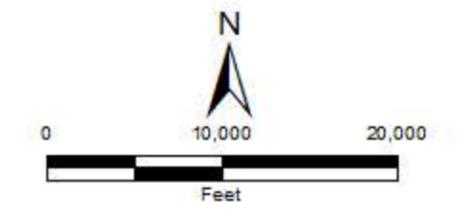
A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Vena Alta

Name of Development: Two Rivers Farmhouse LLC

Parcel Coordinates: 18.380274, -66.315540



Source: U.S. FISH & WILDLIFE SERVICE
<https://ecos.fws.gov>
Author: TG Date: 2/21/2023





Legend



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-01543

A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Vega Alta

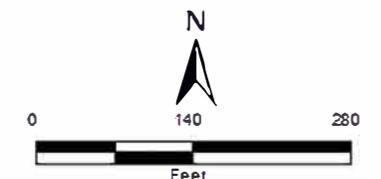
Name of Development: Two Rivers Farmhouse LLC
 Parcel Coordinates: 18.380274, -66.315540

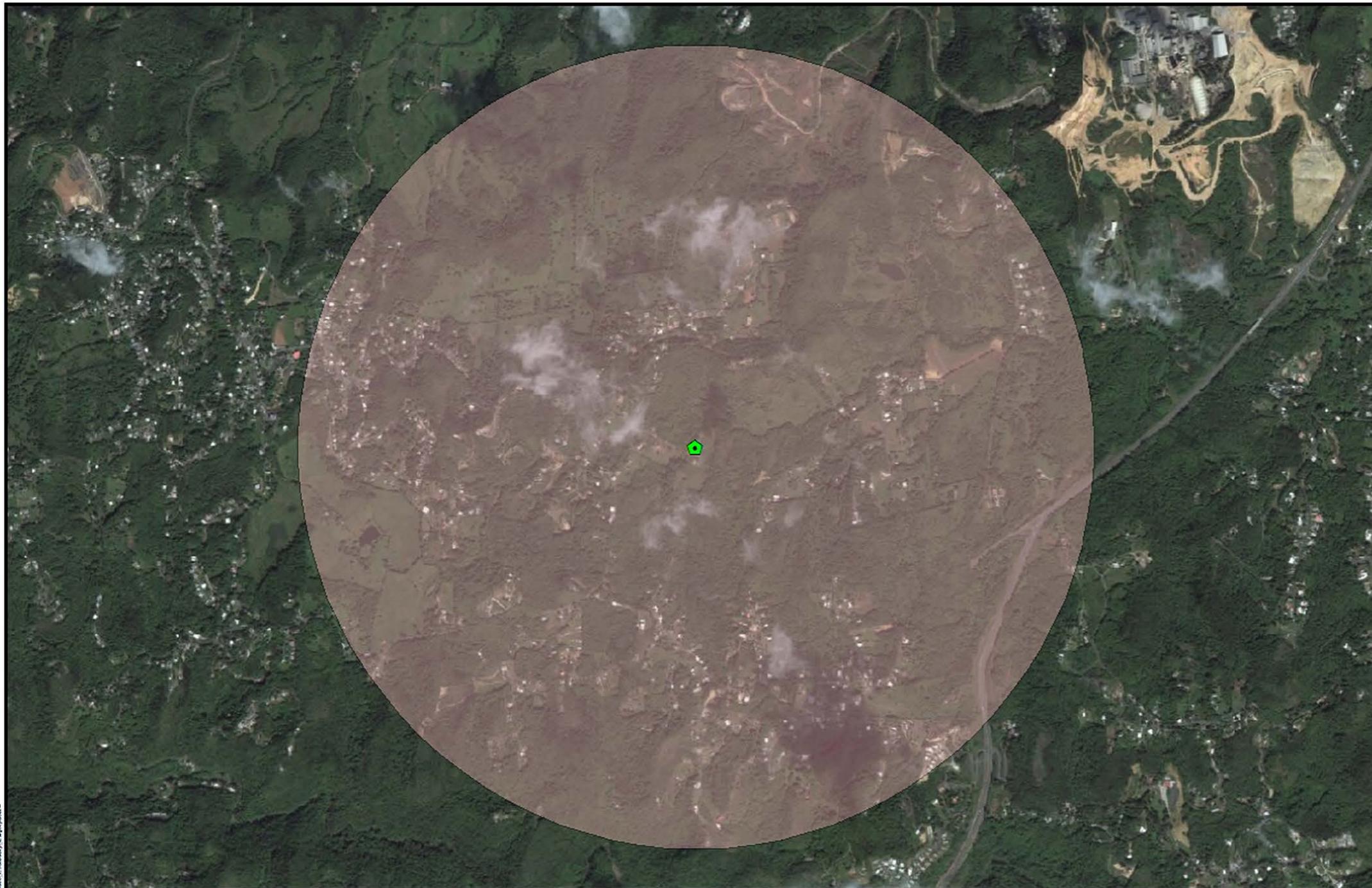


Source: USDA
<https://websoilsurvey>

Author: TG

Date: 10/24/2022





- Legend**
- Object 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



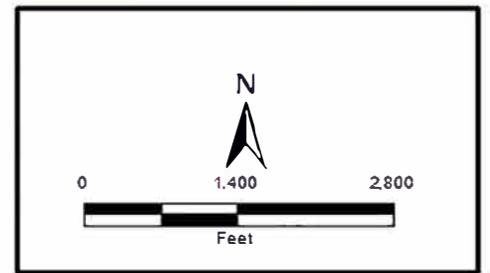
Figure 13: HISTORIC PRESERVATION
APPLICANT ID: PR-RGRW-01543

A Carretera 678 KM 1.1 Sector Pambano BO. Maricao, Vega Alta

Name of Development: Two Rivers Farmhouse LLC
Parcel Coordinates: 18.380274, -66.315540



Source: National Park Service
<http://www.nps.gov/>



The data on this map was derived from the National Park Service and the National Geographic Society. © 2014 Tetra Tech, Inc.



Legend



WETLAND TYPE

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

PUERTO RICO



Figure 15: WETLANDS

APPLICANT ID: PR-RGRW-01543

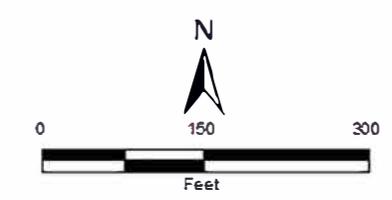
A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Vega Alta

Name of Development: Two Rivers Farmhouse LLC
Parcel Coordinates: 18.380274, -66.315540

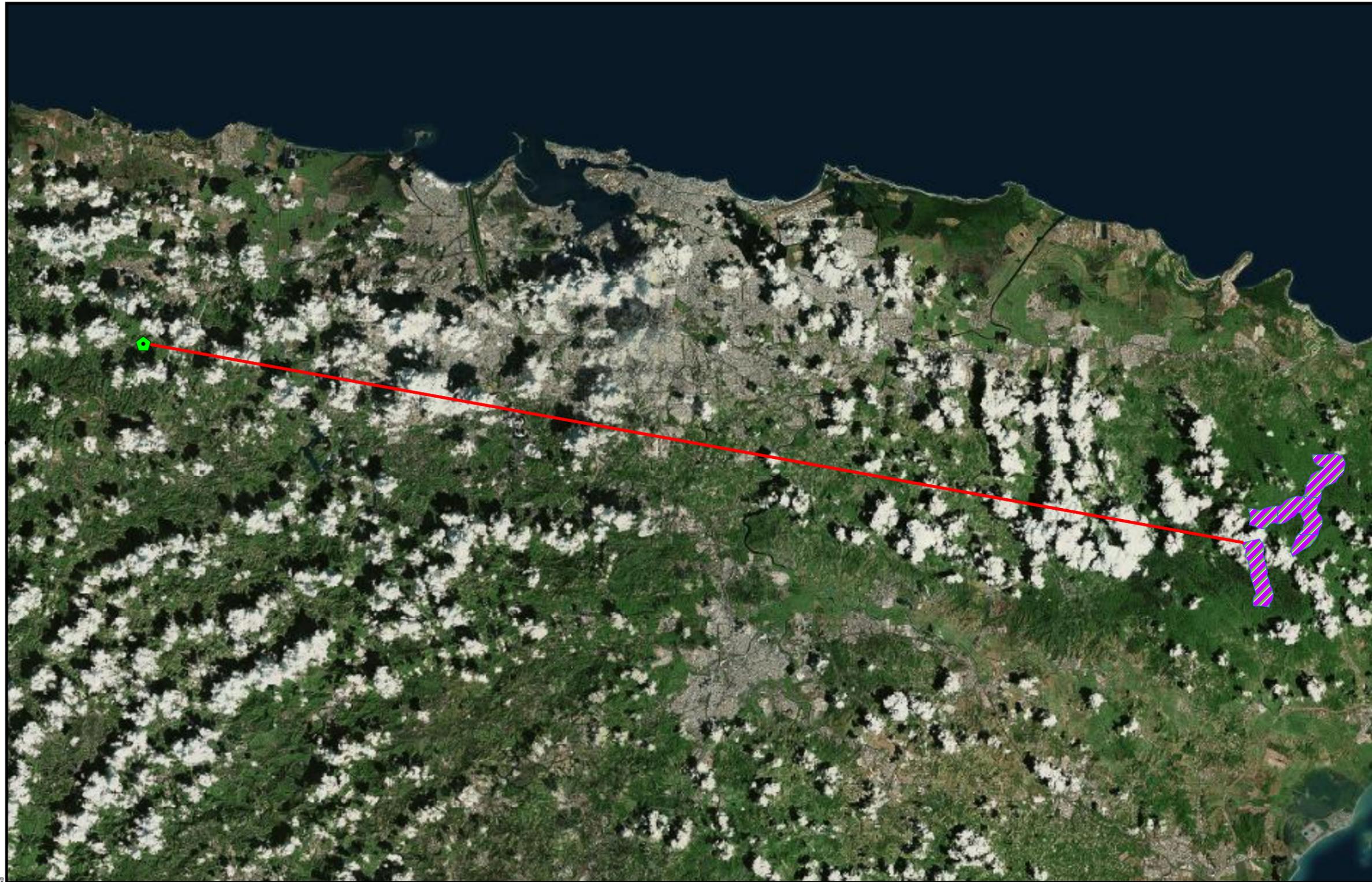


Source: U. S. Fish & Wildlife Service
<https://www.fws.gov>

Author: TG Date: 10/4/2022



392



Legend

-  Project Parcel
-  Nearest WSR
-  Wild and Scenic Rivers

Distance to Nearest Wild and Scenic River in Feet: 183908

PUERTO RICO

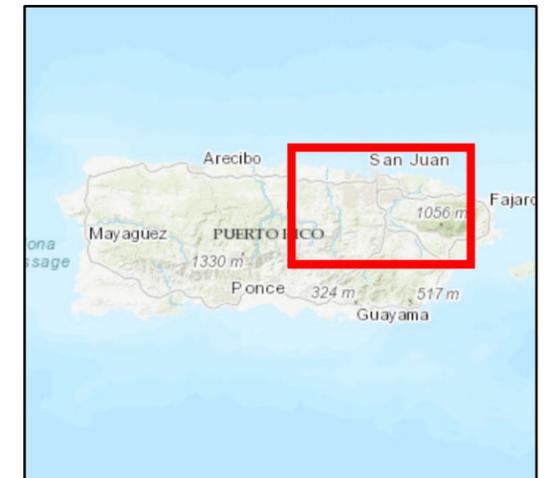


Figure 16: WILD AND SCENIC RIVERS ACT

APPLICANT ID: PR-RGRW-01543

A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Vega Alta

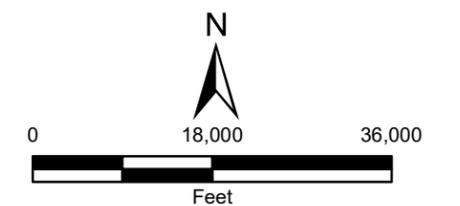
Name of Development: Two Rivers Farmhouse LLC

Parcel Coordinates: 18.380274, -66.315540

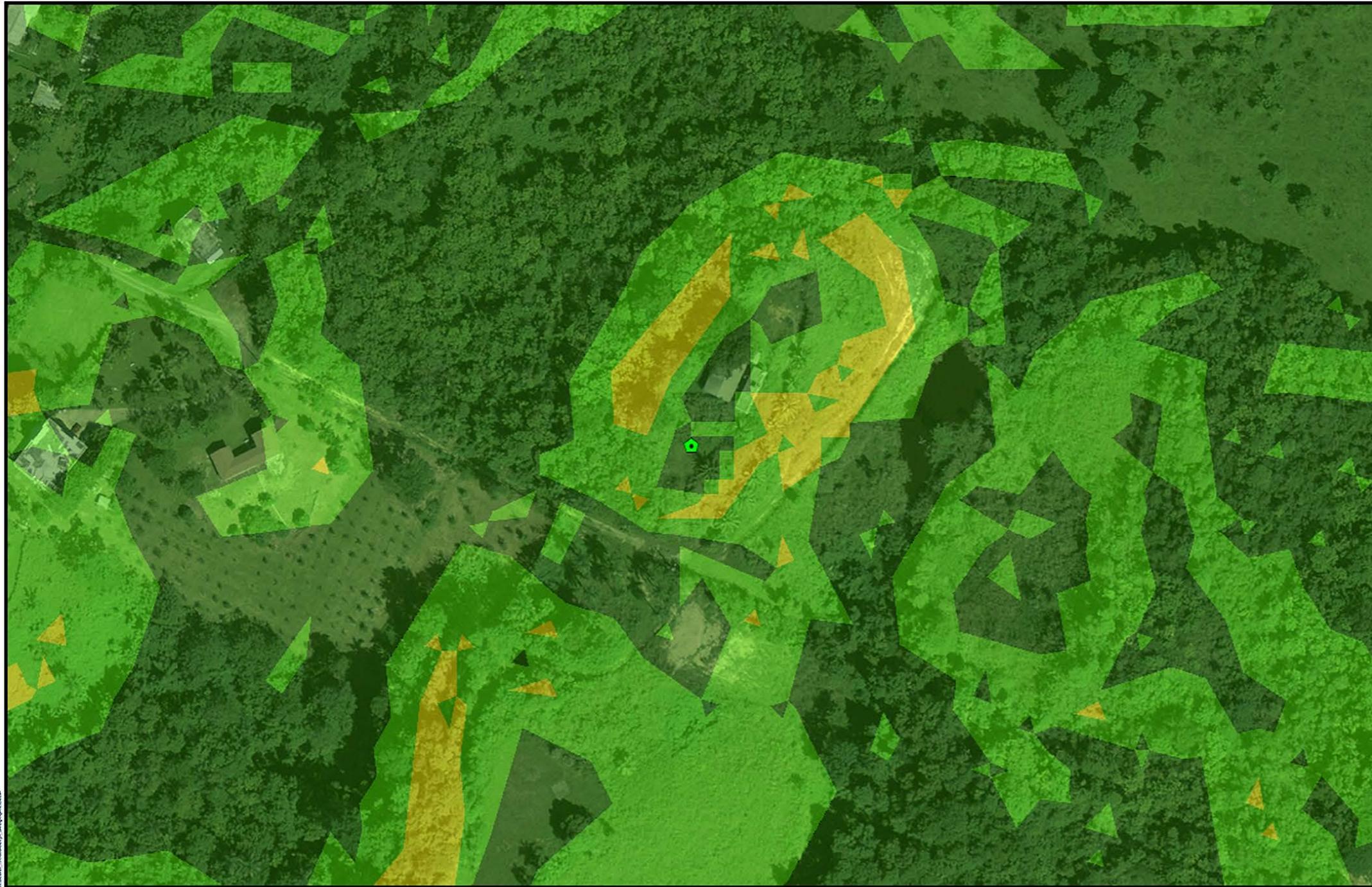


Source: U. S. Forest Service
<https://www.fs.usda.gov>

Author: TG Date: 4/20/2023



File Path: Z:\data\USFRT\FerWSR_Secundary_Imagery_Regrow.mxd



Legend

-  Object Parcel
- Landslide Susceptibility**
-  Extremely High
-  Very High
-  High
-  Moderate
-  Low

PUERTO RICO



Figure 17: SLOPE AND EROSION

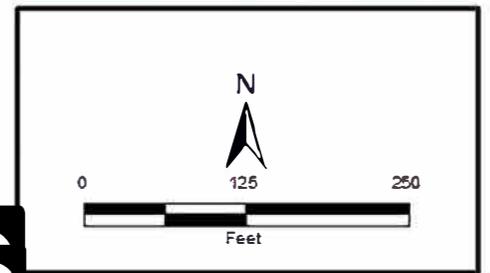
APPLICANT ID: PR-RGRW-01543

A Carretera 678 KM 1.1 Sector Pambano BO. Maricao Vega Alta

Name of Development: Two Rivers Farmhouse LLC
Parcel Coordinates: 18.380274, -66.315540



Source: PRDOH
<http://usgs.maps.arcgis.com>
<https://www.esri.com/arcgis/products/arcgis/arcgis-for-desktop/index.html?i=10506ecc7f15491daee17647f19248ee>
 Author: TG Date: 10/4/2022



Appendix C

Green Book [Contact Us](#)

You are here: [EPA Home](#) > [Green Book](#) > [National Area and County-Level Multi-Pollutant Information](#) > Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of February 28, 2023

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. ([81 FR 58009](#))

Change the State:

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

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	11 12 13 14 15 16 17 18 19 20 21 22 23	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	18 19 20 21 22 23	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	52,441	72/137

ApplicantId	FullAddress	REGISTRY_ID	PGM_SYS_ACR	PRIMARY_NAME	LOCATION_ADDRESS	CITY_NAME	STATE	POSTAL	LATTITUDE83	LONGITUDE83	DFR_URL	DistanceFeet
PR-RGRW-01543	Carretera 678 KM 1.1 Sector Pampano BO. Maricao, PR 00692	110055475221	RCRAINFO	PAITOS TRUCKING INC	BO PAMPANOS CARR CARR 678 KM 4.3	VEGA ALTA	PR	00692	18.38178600	-66.31886400	http://echo.epa.gov/detailed-facility-report?fid=110055475221	1244 feet

Detailed Facility Report



Detailed Facility Report

Facility Summary

PAITOS TRUCKING INC

BO PAMPANOS CARR CARR 678 KM 4.3, VEGA ALTA, PR 00692

FRS (Facility Registry Service) ID: 110055475221

EPA Region: 02

Latitude: 18.381786

Longitude: -66.318864

Locational Data Source: RCRAINFO

Industries: Support Activities for Transportation

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Active Transporter,
 (PRR000024497)
Safe Drinking Water Act (SDWA): No Information

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

Other Regulatory Reports

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		<u>110055475221</u>					N	18.381786	-66.318864
RCRAInfo	RCRA	PRR000024497	Transporter	Active (H)			N	18.381786	-66.318864

Informal Enforcement Actions Last 5 Years ▾

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

No data records returned

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

Formal Enforcement Actions Last 5 Years ▾

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Environmental Justice

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

EJScreen Indexes Shown

Related Reports

[EJScreen Report](#)

Compare to US State

Index Type Environmental Justice Supplemental

Download Data

Census Block Group ID: 721435506013	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	5	8
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	46	65
Air Toxics Cancer Risk	74	85 
Air Toxics Respiratory Hazard Index	44	56
Traffic Proximity	33	97 
Lead Paint	90 	95 
Risk Management Plan (RMP) Facility Proximity	96 	98 
Hazardous Waste Proximity	84 	97 
Superfund Proximity	99 	99 
Underground Storage Tanks (UST)	0	98 
Wastewater Discharge	94 	99 





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	2,658
Population Density	841/sq.mi.
Housing Units in Area	1,023

General Statistics (ACS (American Community Survey))	
Total Persons	1,923
Percent People of Color	100%
Households in Area	666
Households on Public Assistance	82
Persons With Low Income	1,444
Percent With Low Income	75%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.381786
Center Longitude	-66.318864
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	259 (38.95%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	164 (6%)
Minors 17 years and younger	731 (28%)
Adults 18 years and older	1,927 (73%)
Seniors 65 years and older	340 (13%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,093 (79%)
African-American	230 (9%)
Hispanic-Origin	2,645 (100%)
Asian/Pacific Islander	1 (0%)
American Indian	16 (1%)
Other/Multiracial	319 (12%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	195 (14.58%)
9th through 12th Grade	98 (7.33%)
High School Diploma	317 (23.71%)
Some College/2-year	241 (18.03%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	301 (22.51%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
\$15,000 - \$25,000	165 (24.81%)
\$25,000 - \$50,000	145 (21.8%)
\$50,000 - \$75,000	67 (10.08%)
Greater than \$75,000	29 (4.36%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Appendix D

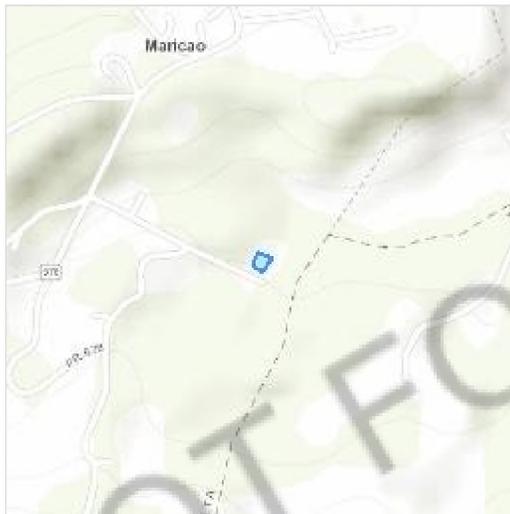
IPaC resource list

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

Vega Alta County, Puerto Rico



Local office

Caribbean Ecological Services Field Office

☎ (787) 834-1600

📠 (787) 851-7440

✉ CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS

Post Office Box 491

Boqueron, PR 00622-0491

PHYSICAL ADDRESS

Office Park I

State Road #2 Km 156.5, Suite 303}

Mayaguez, PR 00680

NOT FOR CONSULTATION

Endangered species

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

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

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

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

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

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

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

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

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

Reptiles

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

Critical habitats

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

There are no critical habitats at this location.

Migratory birds

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

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

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

Additional information can be found using the following links:

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

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

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

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

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

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

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

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

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

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

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

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

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

What are the levels of concern for migratory birds?

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

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

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

Details about birds that are potentially affected by offshore projects

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

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

What if I have eagles on my list?

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

Proper Interpretation and Use of Your Migratory Bird Report

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

Facilities

National Wildlife Refuge lands

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

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

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

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

This location did not intersect any wetlands mapped by NWI.

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

Data limitations

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

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

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

Data exclusions

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

Data precautions

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

NOT FOR CONSULTATION

Appendix E



GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE

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

April 11, 2023

Lauren Bair Poche

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

SHPO: 03-20-23-03 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, PR-RGRW-01543, TWO RIVERS FARMHOUSE, LLC, BO. MARICAO, SECT. PÁMPANO, PR-678 KM 1.1, VEGA ALTA, 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



March 21, 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-01543 – Two Rivers Farmhouse LLC – Carr, PR-678 Km 1.1, Sect. Pámpano, Bo. Maricao, Vega Alta, Puerto Rico – *No Historic Properties Affected*

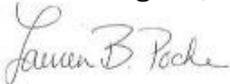
Dear Architect Rubio Cancela,

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 Two Rivers Farmhouse, LLC at Carr. PR-678 Km. 1.1, Sect. Pámpano in Bo. Maricao in the municipality of Vega Alta. This undertaking will consist of the construction of one new greenhouse, cistern, and water line. These activities will require ground disturbance. Based on the submitted documentation, the Program requests a concurrence that a determination of No Historic Properties Affected is appropriate for this proposed project.

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

Kindest regards,



Lauren Bair Poche, M.A.

Architectural Historian, Historic Preservation Senior Manager

Attachments

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		
Subrecipient: Two Rivers Farmhouse, LLC		
Case ID: PR-RGRW-01543	City: Vega Alta	

Project Location: Carr. PR-678 Km 1.1, Sect. Pámpano, Bo. Maricao, Vega Alta	
Project Coordinates: 18.380274, -66.315540	
TPID (Número de Catastro): 082-000-010-64-000	
Type of Undertaking: <input type="checkbox"/> Substantial Repair <input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): c1985	Property Size (acres): 3.48

SOI-Qualified Architect/Architectural Historian: n/a
Date Reviewed: n/a
SOI-Qualified Archaeologist: Jesus E. Vega, Ph.D.; Roberto G. Munoz Pando, M.A.
Date Reviewed: January 17, 2023; REVISED March 15, 2023; REVISED March 16, 2023

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

Project Description (Undertaking)

The proposed activity at Two Rivers Farmhouse, LLC is the construction of a new, additional greenhouse and cistern, in compliance with Section 106 NHPA Effect Determination. The correct coordinates of the farm are 18.380274, -66.315540. The proposed greenhouse is a new addition to the farm, anchored to ground by pouring small concrete footings at each post location. Ground cover and gravel will be used to protect the bare floor areas. A small amount of earthwork is required to open and to level the project area. Thirty-four (34) 24"-36" holes will be dug at each post location for a concrete footing, with removal of any obstructions. The applicant already has one greenhouse, approximately 150 feet south of the proposed location for the new one. The area for the new greenhouse currently has a chicken cage. The applicant will add new PVC tubes for water supplies to the greenhouse and cistern, with disturbance of approximately 35 lineal feet to the right, or northeast side of the new greenhouse. The proposed *water line installation will be 4 to 6 inches underground*. Water and power supplies are currently provided by public services through the property in front of the area for the new greenhouse. A septic tank is present in the parcel and in working condition. Two Rivers Farmhouse, LLC is located at Carretera PR-678 Km 1.1 Sector Pampano Bo. Maricao, Municipality of Vega Alta. The applicant indicates that he holds a permit from the Department of Natural and Environmental Resources of Puerto Rico.

Subrecipient: Two Rivers Farmhouse, LLC

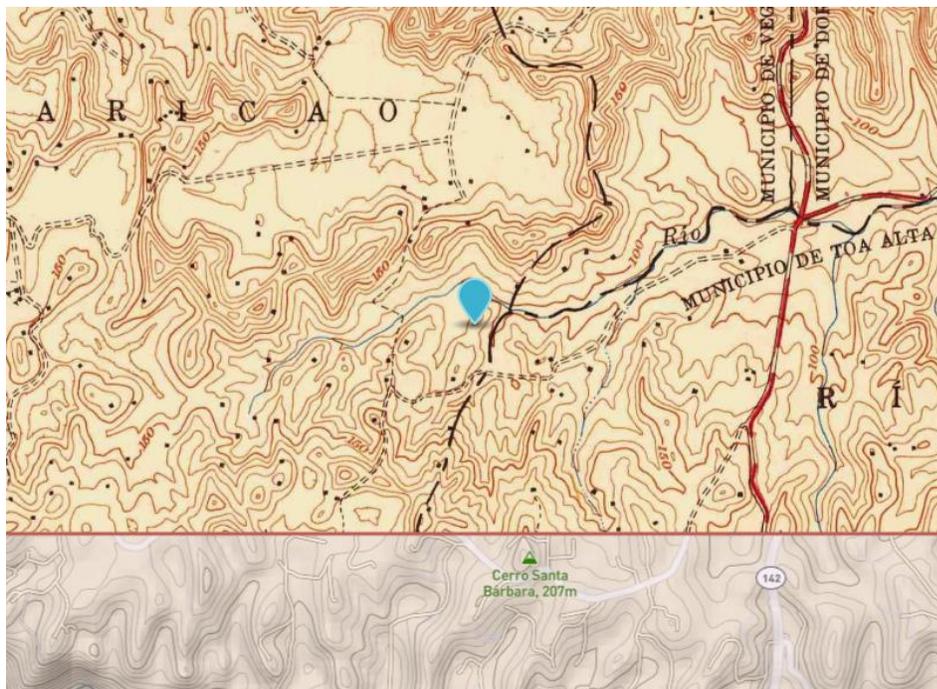
Case ID: PR-RGRW-01543

City: Vega Alta

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 rural project includes Scope of Work #1, which is a new greenhouse with cistern and PVC pipes with an additional impact of approximately 35 lineal feet on the northeast side, located at 18.380274, -66.315540. This terrain was previously used for the cultivation of sugar cane and fruits and is currently breeding chicken and minor produce. The direct APE includes a 15-meter buffer to all sides. The visual APE is the viewshed of the proposed project. The images included below from 1946, 1968, 1969, and 1977 respectively show no significant structures or ground disturbance in the APE.

Topographic map 1946

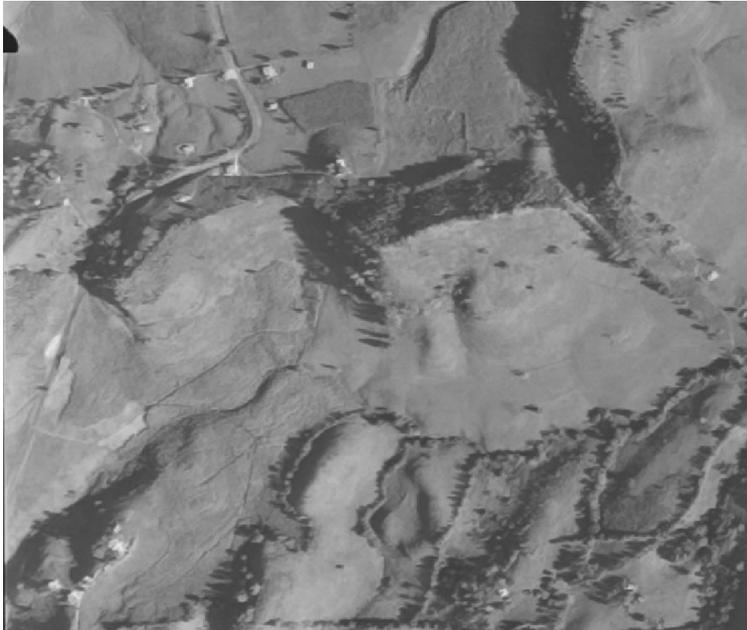


Subrecipient: Two Rivers Farmhouse, LLC

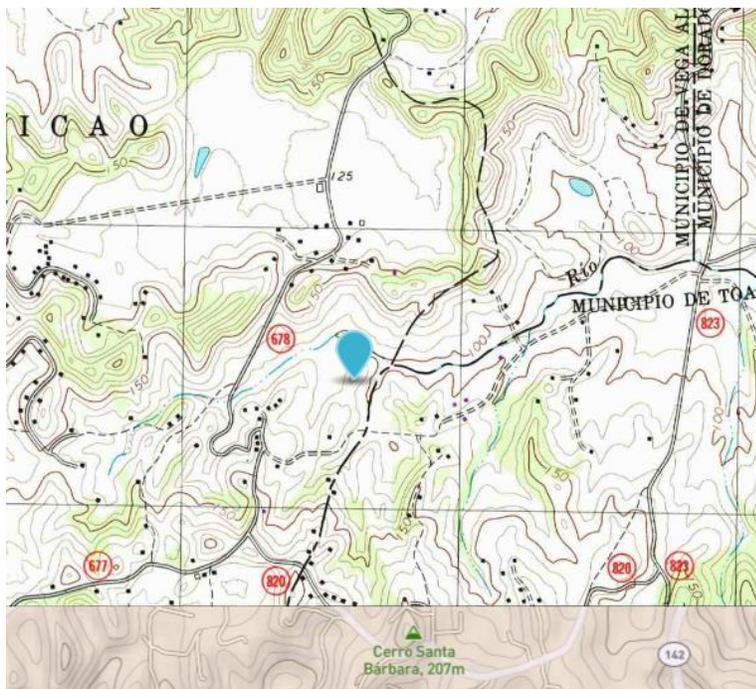
Case ID: PR-RGRW-01543

City: Vega Alta

Aerial image dated 1968 (no structure present)



Topo map of area dated 1969



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: Two Rivers Farmhouse, LLC	
Case ID: PR-RGRW-01543	City: Vega Alta

Aerial image of 1977 (no structure present)



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 terrain was previously used for sugar cane cultivation, whose roots may impact down to 60 cm or more. The aerial imagery at NEPAassist is limited by dense cloud coverage over the APE. However, aerial imagery in Google Earth Pro depicts the construction and demolition of rural buildings north and south of the APE, and land clearing for agriculture at the APE. The existing structure at the north end of the APE existed by 1994, with modifications through the last two decades. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that there are no archaeological sites and/or NRHP listed/eligible historic properties within a half-mile radius of the property, as shown in Table 1 below. The proposed project is located in hill terrain, previously used for sugar cane and fruit cultivation fifty years ago, and currently used for breeding livestock. The terrain is classified as Colinas clay loam (CIF2), 40 to 60 percent slopes, surrounded by farmland, 120 meters above mean sea level. The north coast is 6.81 miles northeast of the property. The closest fresh-water bodies include Río Lajas 0.07 miles south of the property, and Río Mavilla 1.08 miles southwest of the property. There are five Phase 1 archaeological studies within a

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM		
REGrow PUERTO RICO PROGRAM		
Section 106 NHPA Effect Determination		
Subrecipient: Two Rivers Farmhouse, LLC		
Case ID: PR-RGRW-01543	City: Vega Alta	

half-mile radius by Martínez Torres (1993a, 1993b), Rivera Calderón (1996, 1999), and López Meléndez (2000), all negative, as reported in Table 2.

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
Roberto Martínez Torres	Phase 1A, Mejoras al Sistema de Acueductos para las Comunidades Candelaria y Maricao	1993	CAT-VA-93-03-08	Negative	0.00 mi
Roberto Martínez Torres	Phase 1B, Mejoras al Sistema de Acueductos para las Comunidades Candelaria y Maricao	1993	CAT-VA-93-04-01	Negative	0.00 mi
Virginia Rivera Calderón	Phase 1A-1B, Sistema Sanitario Comunidad Maricao	1996	CAT-VA-96-05-03	Negative	0.00 mi
Virginia Rivera Calderón	Phase 1A-1B Addendum, Sistema Sanitario Comunidad Maricao	1999	CAT-VA-99-06-06	Negative	0.00 mi
Jaqueline López Meléndez	Phase 1A, Mejoras al Sistema de Acueductos Río Lajas, etc.	2000	CAT-TA-00-06-07	Negative	0.22 mi SE

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: Two Rivers Farmhouse, LLC	
Case ID: PR-RGRW-01543	City: Vega Alta

Determination

The following historic properties have been identified within the APE:

- Direct Effect:
 - N/A
- Indirect Effect:
 - N/A

Based on the results of our historic property identification efforts, there are no reported historic sites or significant cultural properties within a half-mile radius of the proposed project area. 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-01543 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. Therefore, the Program has determined that the 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: Two Rivers Farmhouse, LLC	
Case ID: PR-RGRW-01543	City: Vega Alta

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: Two Rivers Farmhouse, LLC

Case ID: PR-RGRW-01543

City: Vega Alta

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



 <p>TETRA TECH</p> <p>Source: CRIM</p> <p>Author: TG Date: 10/7/2022</p>	<p>Legend</p> <ul style="list-style-type: none"> Tier 2 Site Area of Potential Effect Parcelario	
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Subrecipient: Two Rivers Farmhouse, LLC

Case ID: PR-RGRW-01543

City: Vega Alta

Project (Parcel) Location - Aerial Map



PR-RGRW-01543-001-AerialMap.tif



Source: CRIM

Author: TG

Date: 9/22/2022

Legend

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



Subrecipient: Two Rivers Farmhouse, LLC

Case ID: PR-RGRW-01543

City: Vega Alta

Project (Parcel) Location - USGS Topographic Map



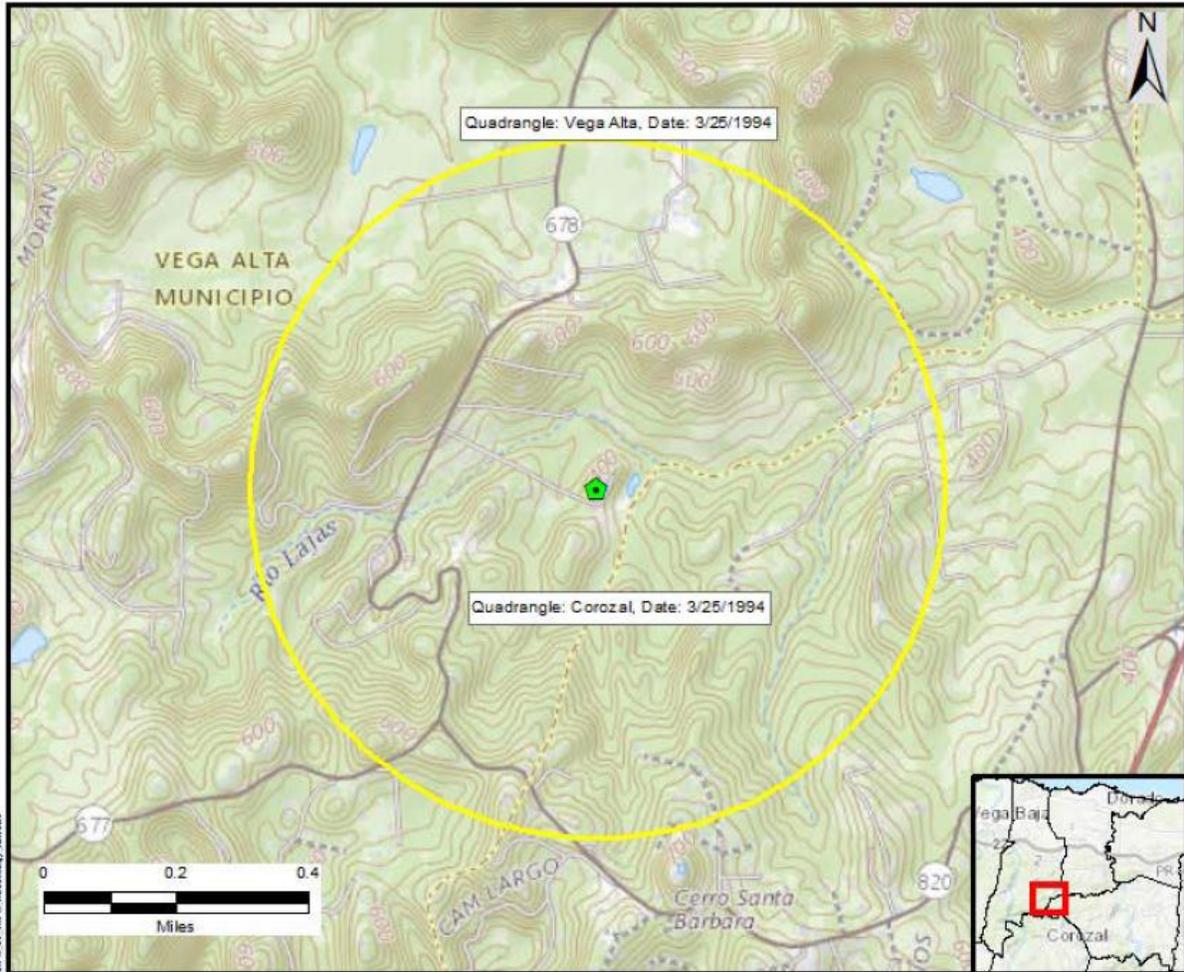
 <p>TETRA TECH</p> <p>Source: USGS</p> <p>Author: TG Date: 9/29/2022</p>	<p>Legend</p> <ul style="list-style-type: none"> Tier 2 Site Historic Comunidades Traditional Urban Centers Cultural Resource District Polygon	 <p>Vega Alta, Dorado, Corozal, Guayama</p>
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Subrecipient: Two Rivers Farmhouse, LLC

Case ID: PR-RGRW-01543

City: Vega Alta

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: Two Rivers Farmhouse, LLC

Case ID: PR-RGRW-01543

City: Vega Alta

Photograph Key



Subrecipient: Two Rivers Farmhouse, LLC

Case ID: PR-RGRW-01543

City: Vega Alta



Photo # 1:

Description (include direction): Scope of work area

Date: 11/09/2022

Northwest



Photo # 2:

Description (include direction): Scope of work area

Date: 11/09/2022

West

Subrecipient: Two Rivers Farmhouse, LLC

Case ID: PR-RGRW-01543

City: Vega Alta



Photo # 3:

Description (include direction): Scope of work area

Date: 11/09/2022

Northeast.



Photo # 4:

Description (include direction): Scope of work area

Date: 11/09/2022

South



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