

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-00952

Project Name: Hidrocaribe del Sur Inc

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico/Patillas, 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 1.68-acre site located at Carr. PR- 3 Km 115.9 Barrio Guardarraya in the Municipality of Patillas, Puerto Rico (Parcel ID# 422-078-002-19). The proposed project parcel is located at 17.9732048, -65.9515778.

This land is currently in use with cultivated fields of vegetables and aromatic plants. It was previously used for sugar cane cultivation and livestock. The terrain has been cleared of vegetation at and around the property since the 1980s. At the west side of this parcel, the applicant owns another parcel with a house and five greenhouses, with only one in use.

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

The proposed use of grant funds is for the construction of two greenhouses.

The proposed activity is the purchase of two greenhouses of metal pipes and plastic, to be constructed in a footprint approximately 96 feet long by 64 feet wide located at 17.9732048, -65.9515778. The greenhouses would be built side by side for growing vegetables and aromatic plants in pots.

No new water or electric power connections are required.

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 two new greenhouses 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 two greenhouses is used for agricultural purposes. Therefore, there is no change in land use associated with the project. Some ground disturbance will be required.

Structure of this Environmental Review Report (ERR).

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

- Appendix A – Site Inspection
- 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: \$67,900

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$67,900

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 two new greenhouses. The nearest civil airport is approximately 140,108 feet from the proposed site. The nearest military airport is approximately 173,612 feet from the proposed site. The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The project is in compliance with Airport Hazards requirements. Refer to Figure 2 in Appendix B.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Puerto Rico has various Coastal Barrier Resources Systems (CBRS) and Otherwise Protected Areas. The project is in southern Puerto Rico. The distance to the nearest CBRS unit or Otherwise Protected Area is 6,646 feet. Therefore, this project has no potential to impact a CBRS Unit or Otherwise Protected Area and is in compliance with the Coastal Barrier Resources Act. Refer to Figure 3 in Appendix B.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The Project site is not located in a 100-year floodplain per Floodplain Insurance Map 72000C2155J, effective date November 18, 2009. This project is in compliance with Floodplain Insurance requirements. (See Figures 4 and 5 in Appendix B.)

STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5

<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a county or air quality management district that is in attainment status or non-attainment status for any criteria pollutants. The Municipio of Patillas is not listed in the EPA Green Book “Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants” The project consists of the construction of two new greenhouses and will have no impact on air quality. The project is in compliance with Clean Air Act. Refer to EPA listing in Appendix C.</p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is located in the Coastal Zone Management Act (CZMA) zone as defined in the PR Coastal Zone Management Plan. The PR Department of Natural and Environment Resources (DNRA) is the agency responsible for the evaluation of development projects that are proposed in the CZMA zone. The proposed action is the construction of two greenhouses. The construction of a greenhouse does not qualify as the construction of a structure that would require a consistency determination from DNRA. The only stipulation is that the new project does not add lights that are visible on the beach (i.e., potential sea turtle impact). 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>During a site visit conducted on November 16, 2022, no debris or rubbish or visible signs vegetative stress, contamination, or toxic substances were noted at the project site. The project consists of the construction of two new greenhouses. See Appendix A.</p> <p>Site contamination was evaluated through online data searches to determine if toxic sites are located within 3,000-feet of the proposed project.</p> <p>There are no sites of environmental concern identified within 3,000 feet of the project site.</p>

		Refer to Figures 8 and 9 in Appendix B . The project is in compliance with Contamination and Toxic Substances.
<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 13,628 feet to the northwest 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 and the West Indian Manatee 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 project consists of the construction of two new greenhouses in an area that has been used for agricultural purposes in the past and is cleared of trees.</p> <p>If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW Puerto Rican Boa Conservation Measures guidelines.</p> <p>https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf</p> <p>Refer to Figures 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>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>None of the project site is designated as prime farmland or farmland of statewide importance. The proposed project includes the construction</p>

<p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>		<p>of two new greenhouses. 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 Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a 100-year floodplain per Floodplain Insurance Map 72000C2155J, 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 National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The site was evaluated on January 14, 2023, by a SOI Qualified Archaeologist. Documentation with maps was subsequently submitted to SHPO on February 22, 2023 (Appendix E). SHPO concurred with a finding of No Historic Properties Affected within the project’s Area of Potential on Effects on March 20, 2023. This project is in compliance with Historic Preservation requirements. (See Figure 13 in Appendix B and Appendix E).</p>
<p>Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>HUD’s noise regulations protect residential properties from excessive noise exposure. The project consists of the construction of two new greenhouses at a farm site. HUD noise regulations do not apply as the project does not include new construction for residential use or rehabilitation of an existing residential property. The proposed project is in compliance with Noise Abatement and Control.</p>
<p>Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no EPA sole source aquifers in Puerto Rico. The project is in compliance with Sole Source Aquifer requirements.</p>
<p>Wetlands Protection Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The south coast is 739 feet south of the property. The closest fresh-water bodies include an intermittent stream 106 feet north-northeast of</p>

		<p>the project site, and Quebrada Florida 4,224 feet miles northeast of the property.</p> <p>The NWI maps show a riverine wetlands on the northern portion of the property approximately 100 feet north of project site. During construction standard best management practices (BMPs) will be used to minimize erosion and runoff.</p> <p>With this mitigation, this project would not impact any on or off-site wetlands and includes no activities that would require further evaluation under this section. The project is in compliance with Executive Order 11990. Refer to Figure 14 in Appendix B.</p>
<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project is not within proximity of a National Wild and Scenic River (WSR). The distance to the nearest WSR is approximately 119,284 feet. The project is in compliance with the Wild and Scenic Rivers Act. Refer to Figure 15 in Appendix B.</p>

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

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features, and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable, and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits 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 proposed action is the construction of two new greenhouses. 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	The proposed project is located in flat terrain on soil classified as Cobbly alluvial land (Cn), used as farmland, 10 meters above mean sea level. The terrain has been cleared of vegetation at and around the property since the 1980s. The project consists of the construction of two new greenhouses. The project site area is rated “low to moderate” for landslide susceptibility (see Figure 16 in Appendix B). During construction BMPs would be used to minimize erosion and runoff. Afterward there will be little to no additional runoff associated with the project.

Hazards and Nuisances including Site Safety and Noise	2	<p>During implementation of the project, construction activities may result in temporary elevation of ambient noise levels in immediate areas around active construction areas. The only nearby receptors are the residents of the farm.</p> <p>There is no access to the project area by the public. Standard BMPs, such as construction fencing, would be applied to protect the farm resident public from typical construction hazards.</p>
Energy Consumption	2	The project site is connected to the local electricity provider. There would be no substantial change in energy demand in the area.

Environmental Assessment Factor	Impact Code	Impact Evaluation
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SOCIOECONOMIC

Employment and Income Patterns	2	<p>Temporary employment of workers related to construction activities would result, but no new permanent jobs would be created as a result of this project. These workers are expected to come from the local region.</p> <p>The proposed project would not negatively impact employment or income patterns.</p>
Demographic Character Changes, Displacement	2	The proposed project would not result in demographic character changes or displacement. Given the nature of the project area, no relocations or demolition of residential structures or businesses would occur as part of this project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
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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	Minor solid waste construction debris materials would result from the proposed project. Solid waste could be recycled on the farm as fill.
Wastewater / Sanitary Sewers	2	The project consists of the construction of two new greenhouses and does not include any new wastewater or sewage facilities. Current farm conditions would remain unchanged.
Water Supply	2	Applicant has access to a water supply. The proposed project will have minor impact on water usage.
Public Safety - Police, Fire and Emergency Medical	2	The proposed project would not create any new demand for emergency or health services.
Parks, Open Space and Recreation	2	The proposed project would not create or destroy any new parks, open space, or recreational activities. It also would not increase use of those facilities.
Transportation and Accessibility	2	The proposed project would not involve the creation of new roads nor any increase in long-term traffic on existing roads. There would be some minor use of the existing road during construction. All residents and businesses would retain access to their properties during and after the project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The proposed project will be situated on land previously used for agricultural purposes 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	There will be no impact to the climate as a result of this project as land use does not change. The project site was used for the cultivation of breadfruit. Plants would be grown in the new greenhouses.

Additional Studies Performed: None

Field Inspection (Date and completed by):

Site inspection was conducted on November 16, 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/npis/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

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 could increase to a minor degree in the two new greenhouses but would only impact the existing site water supply.

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 two new greenhouses. 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 close to the residence and existing electrical connections and water supply. The proposed site has been previously cleared and used for cultivation. Alternative locations on the property would be farther from the residence and existing power and water services. Other locations could require tree removal and grading.

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

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

Summary of Findings and Conclusions:

The proposed activity has been found to not have any adverse effects on the environment nor is there the requirement for further consultation with any agency. There are no environmental review topics addressed that result in the need for formal compliance steps or the requirement for mitigation.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Wetlands Protection	Standard construction BMPs would be used to control erosion and runoff during construction.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Standard construction BMPs would be used to control erosion and runoff during construction.
Coastal Zone Management	If the Project would add lights that are visible at night on the beach (potential sea turtle impact), the Project would have to be reviewed by DNRA for coastal consistency.

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: 04/03/23

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

Certifying Officer Signature:  Date: 7/10/2023

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-00952		
Applicant Name	Hidrocaribe del Sur Inc		
Property Address	Carretera 3 kilómetro 115.9 Barrio Guardarraya		
Parcel ID	422-078-002-19		
Coordinates	17.9732048, -65.9515778		
Inspector Name	Carlos O. Medina		
Inspection Date	11/16/2022		
Building Type	Pipe Metal Frame		
Number of Units	1		
Number of Stories	1		
Year Built; Data Source	NA		
ENVIRONMENTAL OBSERVATIONS (attach photos and notes, as necessary, for any YES answers)			
OBSERVATION ITEMS	YES	NO	COMMENTS
A. Is the structure in use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
B. Is structure a greenhouse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C. Is Electricity connected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Electricity connected
D. Is water connected? (Utilities or Well)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water is connected.
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 type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Are there any groundwater monitoring wells on the site or adjacent parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Is there evidence of a faulty septic system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Is there distressed vegetation on the parcel?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11. Is there any visible indication of MOLD?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

12. Is there any visible evidence of asbestos, chipping, flaking or peeling paint, or hazardous materials present in or on the structure?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13. Are any additional site hazards observed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14. Is there any permanent standing water , such as a pond or stream, located on the site (do not include ponding from recent rain / weather events)?	<input 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-RGRW-00952
 Hidrocaribe de Sur Inc
 Correct coordinates: 17.9732048, -65.9515778

Scope of Work: The purchase of 2 greenhouses.

Land current in use for: The land where applicant plan to do the construction of 2 greenhouses is not in used. At the west side of this parcel the applicant own another parcel with a house and 5 greenhouses, in used is only one due to Fiona hurricane damage.

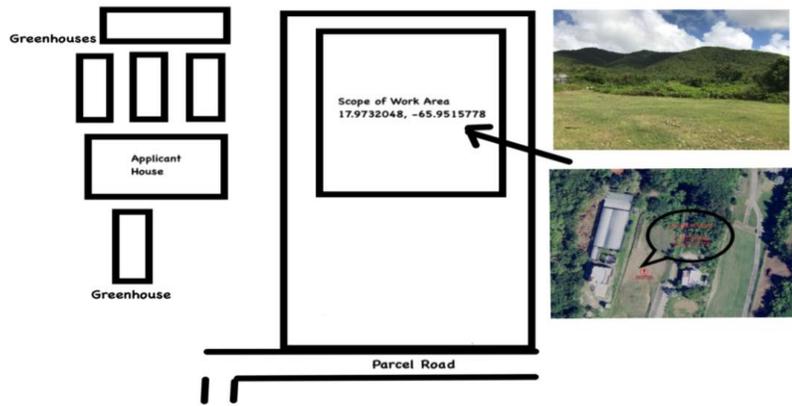
Past land use was: Sugar cane and Livestock.

What the applicant plans to do:
 Applicant plan to do 2 greenhouses (metal pipes and plastic) with a footprint approximately of 96' x 64', both greenhouses side by side. For growing of vegetables and aromatic plants in pots.

Where the applicant plans to do the ground disturbance for the new structures:
 Scope of work area 1: 17.9732048, -65.9515778

Any new water connection, well, cisterns or power connection: No new water or power connection.

Site Sketch



Front of Structure

Photo Direction: North



Facing Away From Front

Photo Direction: South



Side #1 of Structure

Photo Direction: Northeast



Facing Away From Side #1

Photo Direction: Southwest



Back of Structure

Photo Direction: Northeast



Facing Away From Back

Photo Direction: Southwest



Side #2 of Structure

Photo Direction: North



Facing Away From Side #2

Photo Direction: South



Streetscape #1

Photo Direction: East



Streetscape #2

Photo Direction: Southwest



Address

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: South



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: North



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: North



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: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: South



Structural Details

Photo Description: Architectural details - Existing greenhouses to the west of the project site

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details - Existing greenhouses to the west of the project site

Photo Direction: North



Structural Details

Photo Description: Architectural details - Existing greenhouses to the west of the project site

Photo Direction: North



Structural Details

Photo Description: Architectural details - Existing greenhouses to the west of the project site

Photo Direction: North



Structural Details

Photo Description: Architectural details - Existing greenhouses to the west of the project site

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: North



Electricity Connected

Photo Description: Power meter

Photo Direction: North



Appendix B



Legend

-  Tier 2 Site
-  Parcels

PUERTO RICO



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

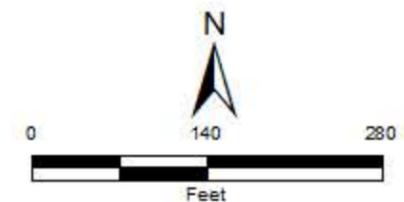
Author: TG Date: 2/20/2023

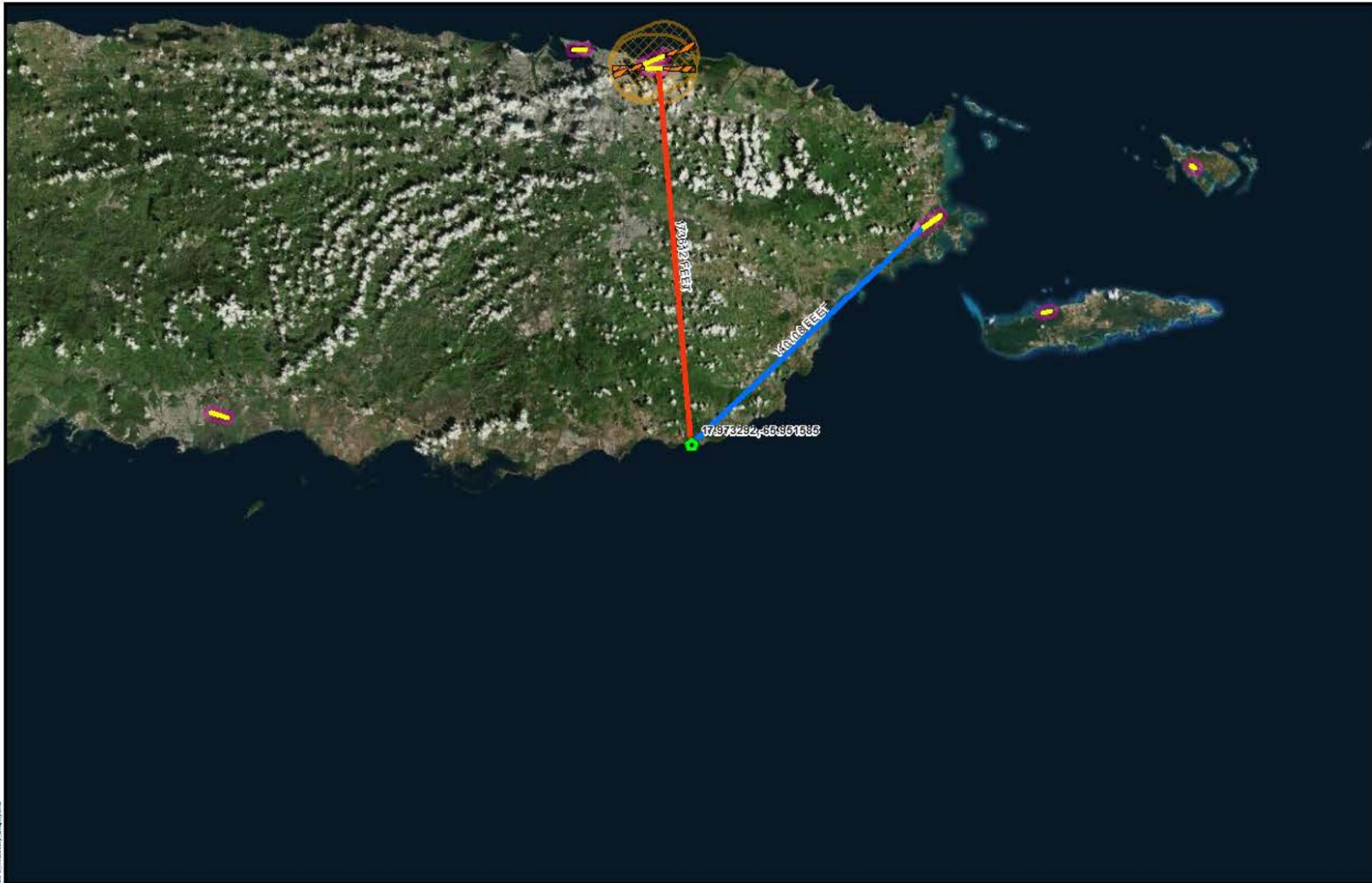
PROJECT: PROJECT LOCATION

APPLICANT ID: PR-RGRW-00952

Carretera 5 KM 115.9 BO. Guadarraya, Pajomas, P.R.

Parcel Coordinates: 17.9732048, -65.9515778





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

**Distance to Nearest Airport
in Feet: 140,108**

PUERTO RICO



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

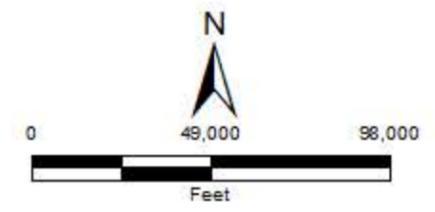
Author: TG Date: 10/4/2022

TIER 2: AIRPORT ZONES

APPLICANT ID: PR-RGRW-00952

Carretera 3 KM 115.9 BO. Guadarraya, Patillas, P.R.
Development: Hidrocarburos del G.

Parcel Coordinates: 17.9732048, -65.9515778





Legend

Tier 2 Site

Coastal Barrier Resources System Unit Type

- Otherwise Protected Area
- System Unit

Distance to Nearest Coastal Barrier Resources System in Feet: 6,646

PUERTO RICO



IN THE INTEREST OF THE UNITED STATES OF AMERICA, SECRETARY OF THE INTERIOR



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

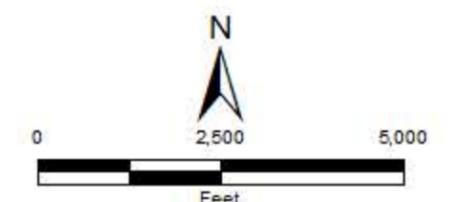
Author: TG Date: 10/4/2022

COASTAL BARRIERS IMPROVEMENT

APPLICANT ID: PR-RGRW-00952

Sanctuary 3 KM 115.9 BO. Guadarraya, Patillas, P.R. Development, LLC

Parcel Coordinates: 17.9732048, -65.9515778





FIRM: 72000C2155J, EFF_DATE: 11/18/2009

Legend

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

PUERTO RICO




TETRA TECH

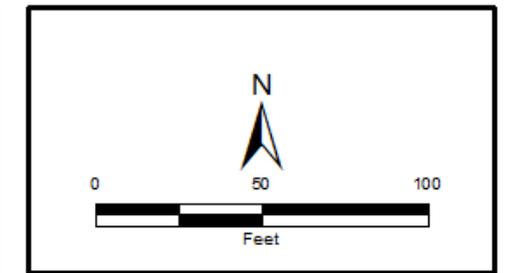
Source: FEMA
<https://msc.fema.gov>

Author: TG | Date: 11/1/2022

4. FLOODPLAIN MANAGEMENT

APPLICANT ID: PR-RGRW-00952

Parcel Coordinates: 17.9732048, -65.9515778



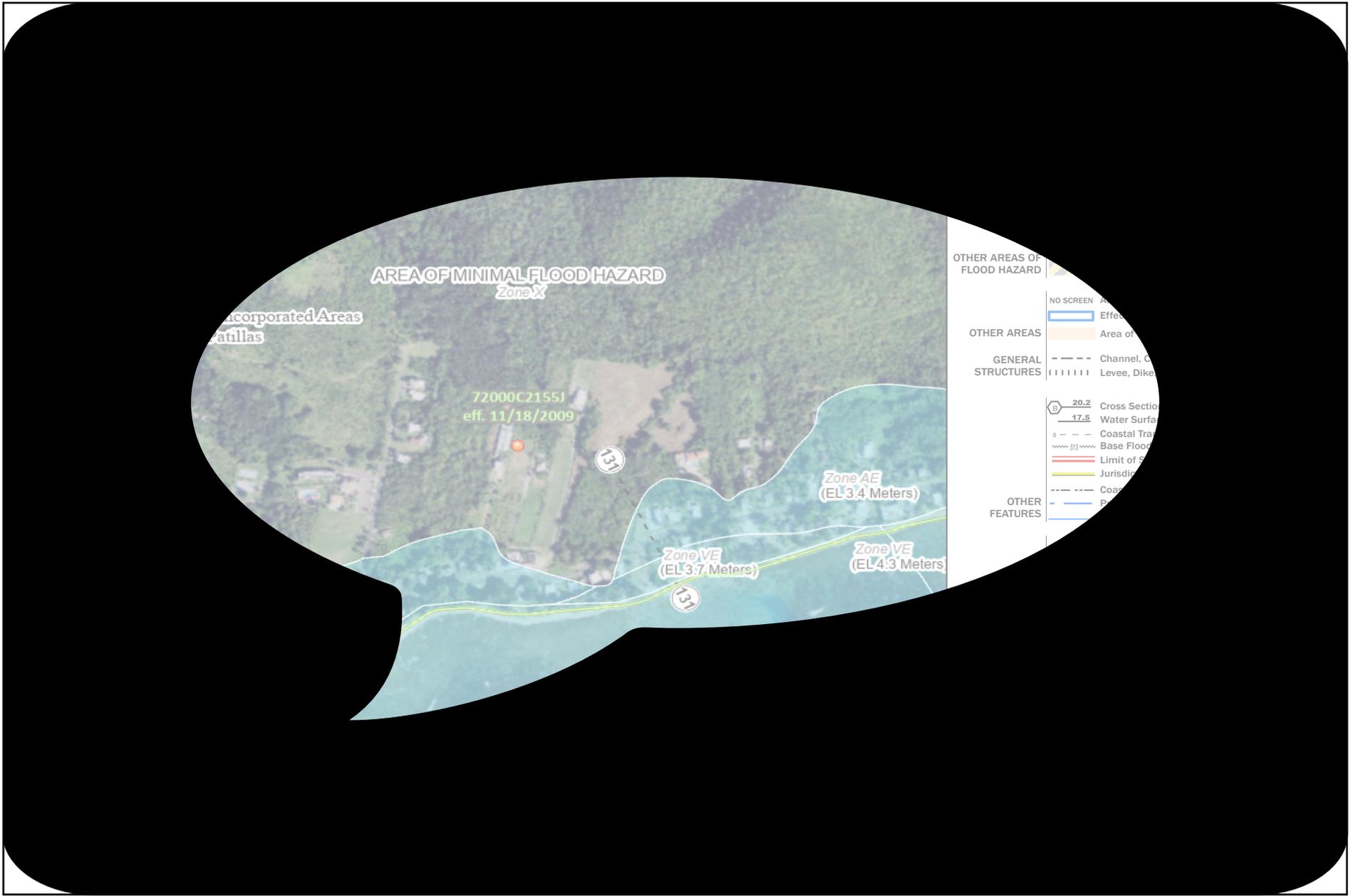


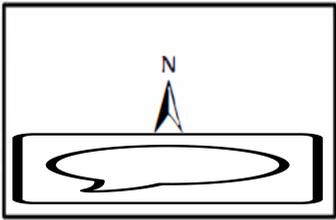
FIGURE 5: FIRMETTE MAP

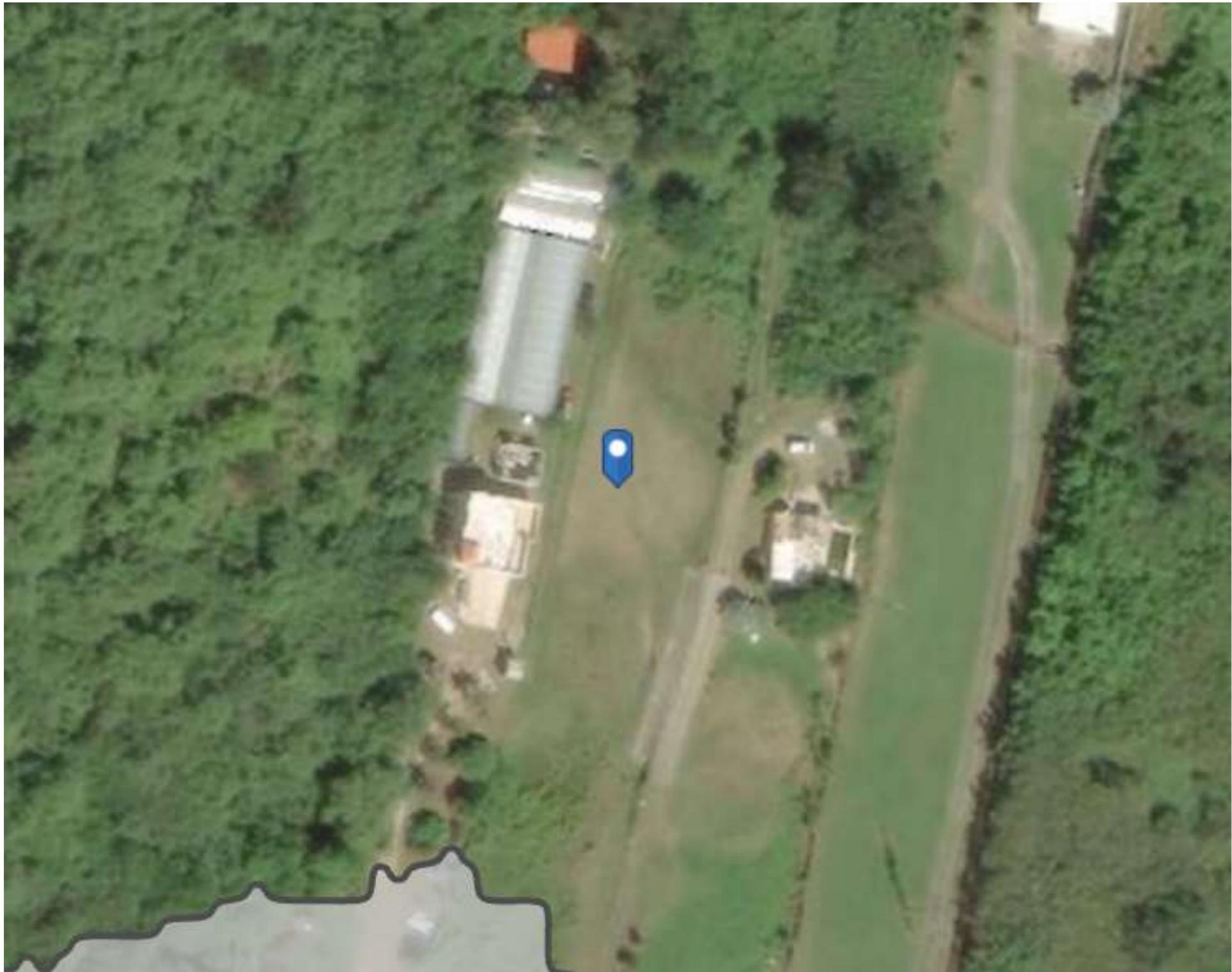
TETRA TECH

www.tetra-tech.com

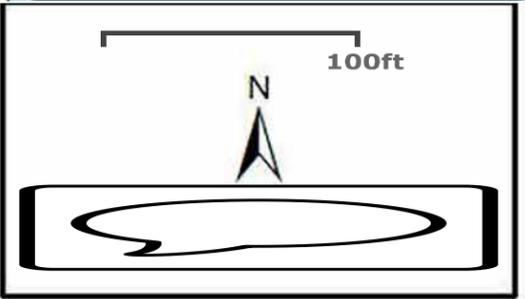
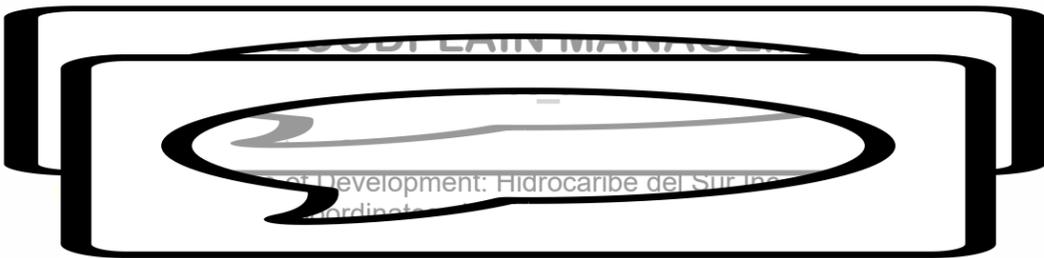
Date: 11/9/2022

Carretera 3 KM 115.9 BO. Guadarraya, Patillas, PR 00723
 Development: Hidrocaribe del Sur Inc.
 Contact: 17-978-3333





- Legend**
- PuertoRico_ABFE_1PCT**
Advisory Base Flood Elevation (zoom in to make visible)
—
 - Flood Hazard Boundary (zoom in to make visible)**
Limit of Moderate Wave Action (LIMWA)
▲
 - Flood Hazard Extent**
 - 1% Annual Chance Flood
 - 0.2% Annual Chance Flood
 - Zone/BFE Boundary**
□
 - Flood Hazard Area (zoom in to make visible)**
Flood Hazard Zone
 - A
 - AO
 - AE
 - Coastal A Zone
 - VE
 - X 0.2% Annual Chance Flood
 - A-Floodway
 - AE-Floodway
 - Coastal A Zone and Floodway



Source: FEMA
<https://gis.fema.gov>
 Author: TG

Date: 2/16/2023

File Path: \\nas01g01.cim.mcgraw-hill.com\GIS\Projects\2023\230216_PuertoRico_FloodHazard\Map_Series\Map_Series_001.aprx



Legend

-  Tier 2 Site
-  Coastal Zone Management Boundary

Distance to nearest Coastal Zone Management Boundary in feet: 0

PUERTO RICO



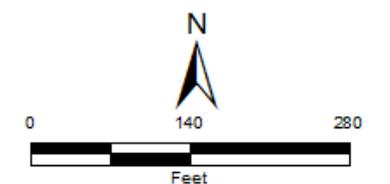
Source: NOAA's Ocean Service
<https://data.noaa.gov>

Author: TG Date: 10/4/2022

7. COASTAL ZONE MANAGEMENT

APPLICANT ID: PR-RGRW-00952

Parcel Coordinates: 17.9732048, -65.9515778



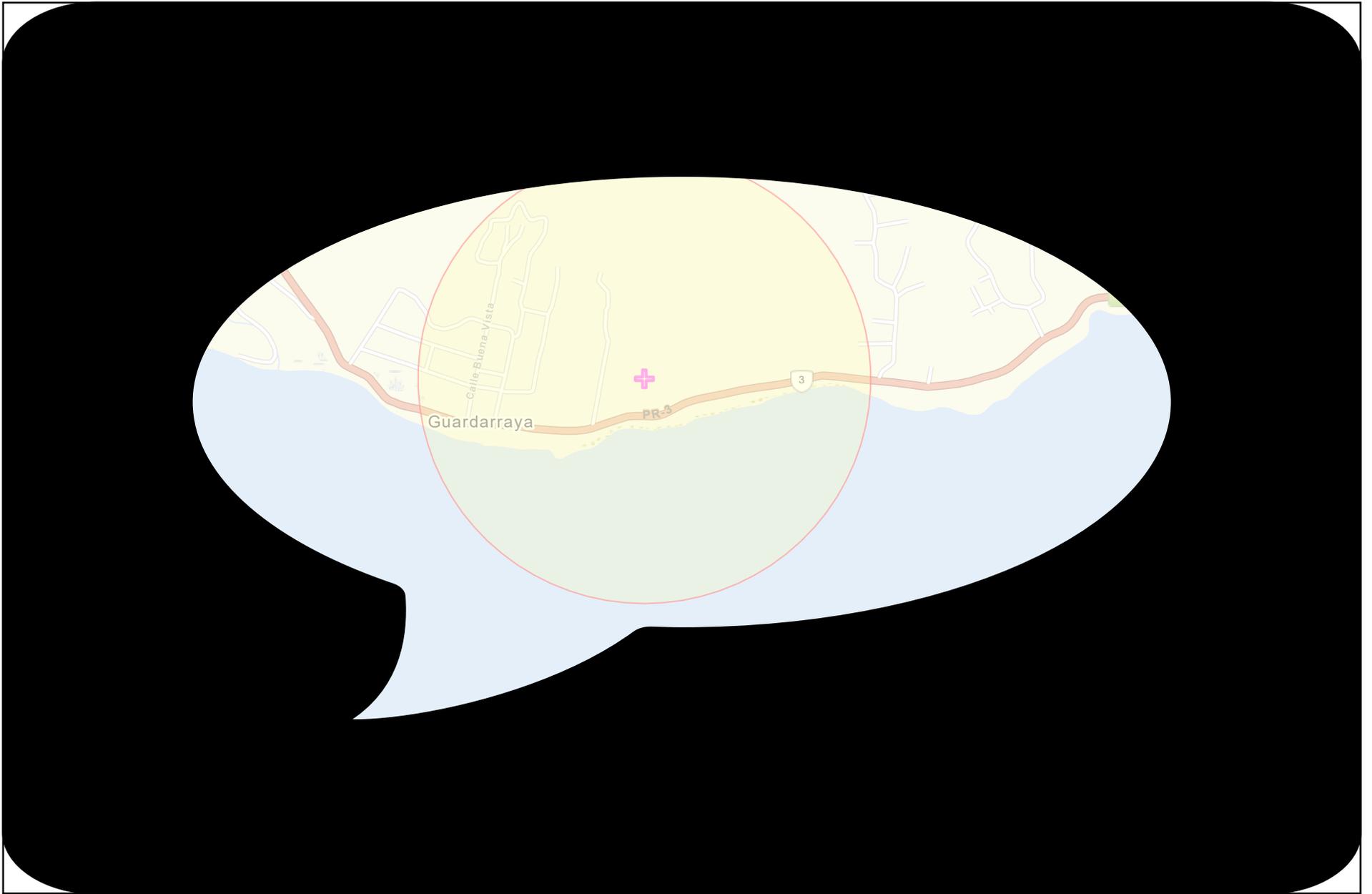
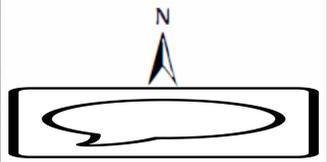


FIGURE 9: NEPASSIST MAP



Carretera 3 KM 115.9 BO. Guardarraya, Patillas, PR 00723
Development: Hidrocaribe del Sur Inc.
Scale: 1:7,000





Legend

-  Tier 2 Site
- Common Name**
-  Guajon

Distance to nearest Critical Habitat in feet:
13,628

PUERTO RICO



IN THE PUBLIC INTEREST, THE UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT, HAS REVIEWED THIS APPLICATION AND HAS FOUND THAT THE PROPOSED ACTION IS IN ACCORDANCE WITH THE NATIONAL SYSTEM OF PUBLIC LANDS.



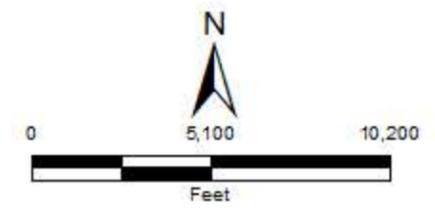
Source: U.S. FISH & WILDLIFE SERVICE
<https://ecos.fws.gov>
 Author: TG Date: 2/21/2023

CRITICAL HABITAT

APPLICANT ID: PR-RGRW-00952

Carretera 3 KM 115.9 BO. Guadarraya, Patillas, P.R.

Parcel Coordinates: 17.9732048, -65.9515778





Legend

-  Tier 2 Site
- 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

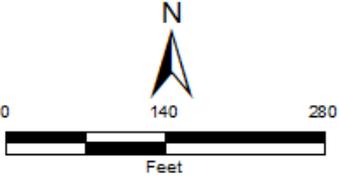



Source: USDA
<https://websoilsurvey.sc.egov.usda.gov>
 Author: TG Date: 10/24/2022

TZ: FARMLAND PROTECTION

APPLICANT ID: PR-RGRW-00952

Parcel Coordinates: 17.9732048, -65.9515778



0 140 280
Feet



Legend

-  Tier 2 Site
-  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



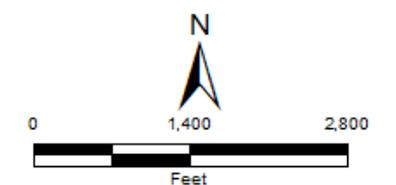
Source: National Park Service
<https://www.nps.gov/>

Author: TG Date: 10/24/2022

UNIT 15: HISTORIC PRESERVATION

APPLICANT ID: PR-RGRW-00952

Parcel Coordinates: 17.9732048, -65.9515778





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

Distance to Nearest Wild and Scenic River in Feet: 119284

PUERTO RICO



Figure 15: WILD AND SCENIC RIVERS ACT

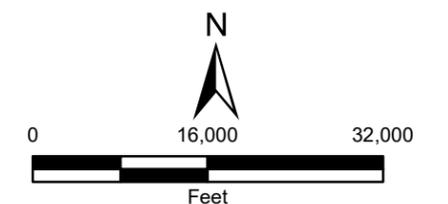
APPLICANT ID: PR-RGRW-00952

ADDRESS: Carretera 3 kilómetro 115.9 Barrio Guardarraya, Patillas, PR 00723
Name of Development: Hidrocaribe del Sur Inc
Parcel Coordinates: 17.9732048, -65.9515778



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

Author: TG Date: 4/20/2023





Legend

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

PUERTO RICO



10/4/2022 10:45:10 AM C:\Users\Tetra\OneDrive\Documents\PR-RGRW-00952\Mapa de Susceptibilidad a Deslizamientos y Erosion



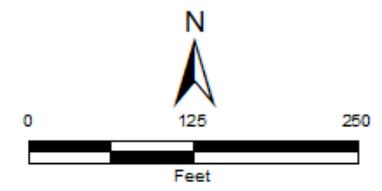
Source: PRDOH
<http://maps.mps.a.rogis.com>
<http://ps/we/bap/pv/le/we/n/index.html?ti=10506ec07f15491daee17647f19248ee>
 Author: TG Date: 10/4/2022

FIGURE 16: SLOPE AND EROSION

APPLICANT ID: PR-RGRW-00952

Carretera 5 KM 115.9 BO. Guadarraya, Patillas, PR
 Desarrollo Habitacional de Guadarraya

Parcel Coordinates: 17.9732048, -65.9515778



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

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

Patillas 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:

Mammals

NAME	STATUS
<p>West Indian Manatee <i>Trichechus manatus</i></p> <p>Wherever found</p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat.</p> <p>https://ecos.fws.gov/ecp/species/4469</p>	<p>Threatened</p> <p>Marine mammal</p>

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 to 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.

Marine mammals

Marine mammals are protected under the [Marine Mammal Protection Act](#). Some are also protected under the Endangered Species Act¹ and the Convention on International Trade in Endangered Species of Wild Fauna and Flora².

The responsibilities for the protection, conservation, and management of marine mammals are shared by the U.S. Fish and Wildlife Service [responsible for otters, walrus, polar bears, manatees, and dugongs] and NOAA Fisheries³ [responsible for seals, sea lions, whales, dolphins, and porpoises]. Marine mammals under the responsibility of NOAA Fisheries are **not** shown on this list; for additional information on those species please visit the [Marine Mammals](#) page of the NOAA Fisheries website.

The Marine Mammal Protection Act prohibits the take (to harass, hunt, capture, kill, or attempt to harass, hunt, capture or kill) of marine mammals and further coordination may be necessary for project evaluation. Please contact the U.S. Fish and Wildlife Service Field Office shown.

1. The [Endangered Species Act](#) (ESA) of 1973.
2. The [Convention on International Trade in Endangered Species of Wild Fauna and Flora](#) (CITES) is a treaty to ensure that international trade in plants and animals does not threaten their survival in the wild.
3. [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 marine mammals under the responsibility of the U.S. Fish and Wildlife Service are potentially affected by activities in this location:

NAME

West Indian Manatee *Trichechus manatus*
<https://ecos.fws.gov/ecp/species/4469>

Facilities

National Wildlife Refuge lands

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

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

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

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

Wetland information is not available at this time

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

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

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

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

Data exclusions

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

Data precautions

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

Appendix E



GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE

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

March 20, 2023

Lauren Bair Poche

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

SHPO: 02-22-23-02 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, PR-RGRW-00952, HIDROCARIBE DEL SUR INC., PR-3 KM 115.9, BO. GUARDARRAYA, PATILLAS, 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,


pr Carlos A. Rubio-Cancela
State Historic Preservation Officer
CARC/GMO/LGC



February 22, 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-00952 – Hicrocaribe del Sur Inc. – Carr. PR-3 Km 115.9 Barrio Guardarraya, Patillas, Puerto Rico – *No Historic Properties Affected*

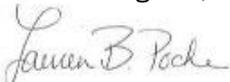
Dear Architect Rubio Cancela,

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 Hicrocaribe del Sur Inc. in Carr. PR-3 Km 115.9 in Barrio Guardarraya in the municipality of Patillas. This undertaking will consist of the purchase and construction of two greenhouses of metal pipes and plastic, with a footprint approximately 96 feet long by 64 feet wide, with the greenhouses to be built side by side. This activity will require ground disturbance. Based on the submitted documentation, the Program requests a concurrence that a determination of No Historic Properties Affected is appropriate for this proposed project.

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

Kindest regards,



Lauren Bair Poche, M.A.

Architectural Historian, Historic Preservation Senior Manager

Enclosures

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM		
REgROW PUERTO RICO PROGRAM		
Section 106 NHPA Effect Determination		
Subrecipient: Hidrocaribe del Sur Inc.		
Case ID: PR-RGRW-00952	City: Patillas	

Project Location: Carr. PR-3 Km 115.9 Barrio Guardarraya	
Project Coordinates: 17.973292, -65.951585	
TPID (Número de Catastro): 422-078-002-18-000	
Type of Undertaking:	
<input type="checkbox"/> Substantial Repair	
<input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): c2010	Property Size (acres): 1.68

SOI-Qualified Architect/Architectural Historian: n/a
Date Reviewed: n/a
SOI-Qualified Archaeologist: Jesus E. Vega, Ph.D.
Date Reviewed: January 14, 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 Hidrocaribe del Sur, Inc. is the purchase of two greenhouses of metal pipes and plastic, with a footprint approximately 96 feet long by 64 feet wide, with both greenhouses to be built side by side for growing vegetables and aromatic plants in pots, in compliance with Section 106 NHPA Effect Determination. The correct coordinates are 17.9732048, -65.9515778. At the west side of this parcel, the applicant owns another parcel with a house and five greenhouses, with only one in use. The others were damaged by Hurricane Fiona. No new water or electric power connection is required. Hidrocaribe del Sur, Inc. is located at Carr. PR- 3 Km 115.9 Barrio Guardarraya in the Municipality of Patillas. This activity will require ground disturbance. The applicant indicates that he holds a permit from the Department of Natural and Environmental Resources of Puerto Rico.

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 a footprint approximately of 96 feet by 64 feet. The Scope of Work #1 consists of two greenhouses to be built side by side. This land

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		
Subrecipient: Hidrocaribe del Sur Inc.		
Case ID: PR-RGRW-00952		City: Patillas

is currently in use with cultivated fields of vegetables and aromatic plants. It was previously used for sugar cane cultivation and livestock. The direct APE includes a 15-meter buffer to all sides. The visual APE is the viewshed of the proposed project.

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that there are no archaeological sites and/or NRHP listed/eligible historic properties within a half-mile radius of the property, as shown in Table 1 below. The proposed project is located in flat terrain, previously used for sugar cane cultivation and livestock, now employed for growing vegetables and aromatic plants classified as Cobbly alluvial land (Cn), surrounded by farmland, 10 meters above mean sea level. The terrain has been cleared of vegetation at and around the property since the 1980s, as shown in historic aerial imagery available in Google Earth Pro. No historic ruins are evident in the aerial images after vegetation clearing. The south coast is 0.14 miles south of the property. The closest fresh-water bodies include an intermittent stream 0.02 miles northeast of the property, and Quebrada Florida 0.80 miles northeast of the property. There is one Phase 1A archaeological study within a half-mile radius, by Rodríguez López (1985), with negative results, listed 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
Miguel Rodríguez López	Phase 1A, Sanitary Sewer System for Pollos, Providencia, Lamboglia, Recio Communities and Improvement of Existing Sewage Treatment Plant of Patillas	1985	CAT-PT-85-01-02	Negative	0.28 mi W

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: Hidrocaribe del Sur Inc.	
Case ID: PR-RGRW-00952	City: Patillas

Determination

The following historic properties have been identified within the APE:

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

Based on the results of our historic property identification efforts, there are no reported historic sites or significant cultural properties within a half-mile radius of the proposed project area, located 0.50 miles from the APE. There are no known archaeological sites or NRHP listed/eligible historic properties within or adjacent to where the direct Area of Potential Effect (APE) of case PR-RGRW-00952 is located. The proposed project is located in flat terrain, previously used for sugar cane cultivation and livestock, now employed for growing vegetables and aromatic plants, classified as Cobbly alluvial land (Cn), surrounded by farmland, 10 meters above mean sea level. The terrain has been cleared of vegetation at and around the property since the 1980s, as shown in historic aerial imagery available in Google Earth Pro. No historic ruins are evident in aerial images after any episodes of vegetation clearing. 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: Hidrocaribe del Sur Inc.	
Case ID: PR-RGRW-00952	City: Patillas

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: Hidrocaribe del Sur Inc.

Case ID: PR-RGRW-00952

City: Patillas

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



 <p>TETRA TECH</p> <p>Source: CRIM</p> <p>Author: TG Date: 10/12/2022</p>	<p>Legend</p> <ul style="list-style-type: none"> Tier 2 Site Area of Potential Effect Parcelario	
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Subrecipient: Hidrocaribe del Sur Inc.

Case ID: PR-RGRW-00952

City: Patillas

Project (Parcel) Location - Aerial Map



Patillas, San Juan, Puerto Rico, 00986, United States of America



TETRA TECH

Source: CRIM

Author: TG

Date: 9/29/2022

Legend

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



Subrecipient: Hidrocaribe del Sur Inc.

Case ID: PR-RGRW-00952

City: Patillas

Project (Parcel) Location - USGS Topographic Map



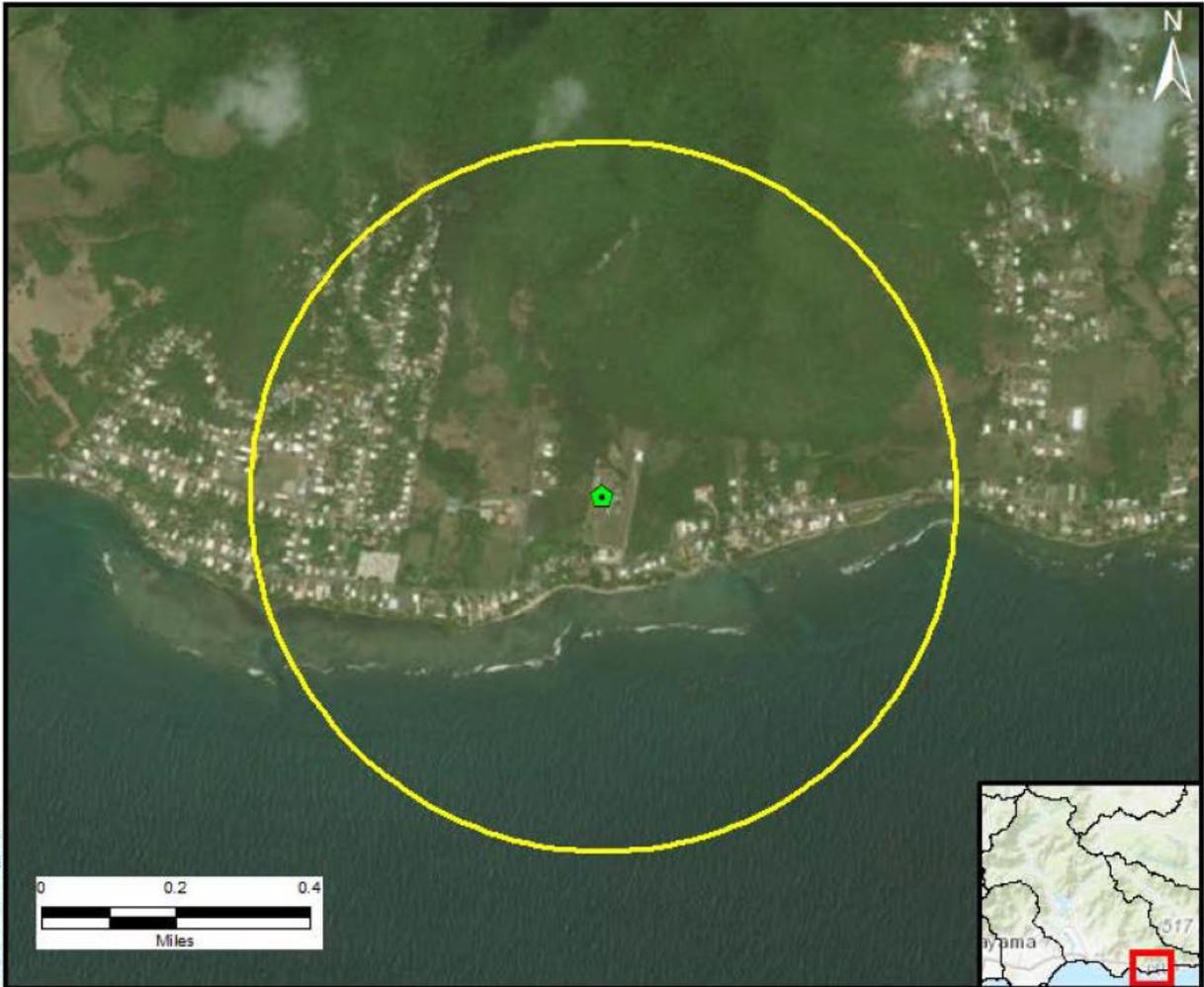
 <p>TETRA TECH</p> <p>Source: USGS</p> <p>Author: TG Date: 9/29/2022</p>	<p>Legend</p> <ul style="list-style-type: none"> Tier 2 Site Historic Comunidades Traditional Urban Centers Cultural Resource District Polygon	 <p>Guayama 517 m</p>
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Subrecipient: Hidrocaribe del Sur Inc.

Case ID: PR-RGRW-00952

City: Patillas

Project (Parcel) Location with Previously Recorded Cultural Resources - Aerial Map



Source: National Park Service

Author: TG

Date: 9/29/2022

Legend

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

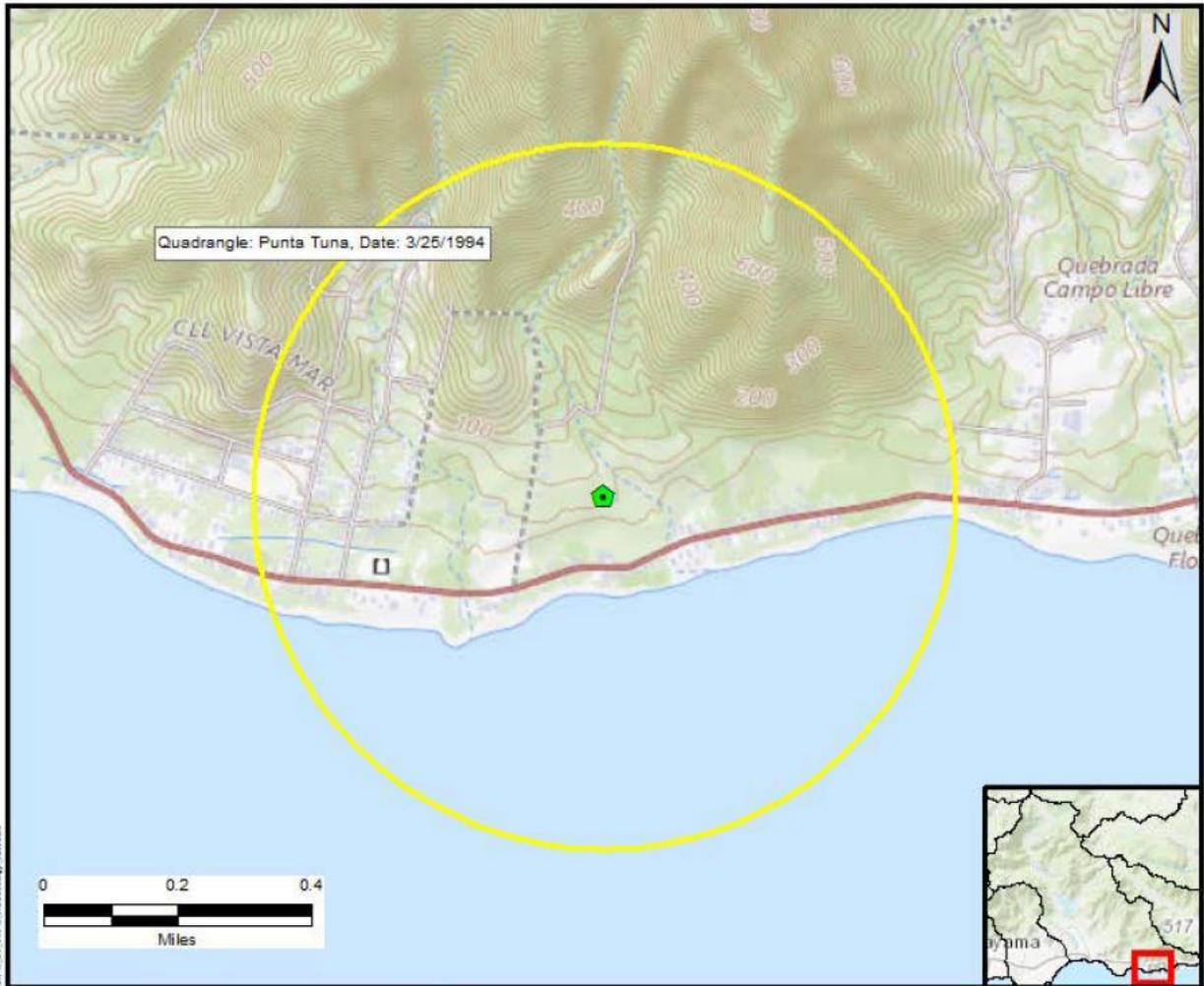
THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. DATE 09/29/2022 BY 60322/UC/STP/STP

Subrecipient: Hidrocaribe del Sur Inc.

Case ID: PR-RGRW-00952

City: Patillas

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: Hidrocaribe del Sur Inc.

Case ID: PR-RGRW-00952

City: Patillas

Photograph Key



Photo # 1:

Description (include direction): Scope of work area, North

Date: 11/16/2022

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

ReGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Hidrocaribe del Sur Inc.

Case ID: PR-RGRW-00952

City: Patillas



Photo # 2:

Description (include direction): Scope of work area

Date: 11/16/2022

North

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

ReGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Hidrocaribe del Sur Inc.

Case ID: PR-RGRW-00952

City: Patillas



Photo # 3:

Description (include direction): Scope of work area

Date: 11/16/2022

East



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