

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-01057

Project Name: Terra Farm, LLC

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

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

State/Local Identifier: Puerto Rico / Municipio of Añasco

Preparer: Cristie Reguera, SWCA Environmental Consultants

Certifying Officer Name and Title:

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Consultant (if applicable): SWCA Environmental Consultants

Direct Comments to: PR Department of Housing, environmentcdbg@vivienda.pr.gov

Project Location:

The proposed project, which includes the installation of a vertical harvest module greenhouse, is located on a 5.18-acre parcel (Parcel Number 154-000-003-67-998) at Bo. Caracol Carretera 402 Kilómetro 4.1, Añasco, Puerto Rico, 00610 (see **Appendix A, Figure 1**- Site Location and **Figure 2**- Site Vicinity). This property is in an urbanized area in the western portion of Añasco Municipio. Access to the project areas is provided via a paved road at the northern portion of the parcel.

The applicant has identified one location for project activities related to the Intended Use of Grant Funds that is evaluated under this Environmental Assessment (EA), also shown on Figures 1 and 2:

- Greenhouse (18.297495, -67.161242) is in the southwestern portion of the parcel.

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

The proposed project includes the purchase and installation of a controlled environment vertical harvest module greenhouse. The greenhouse will be installed in the southeastern portion of the parcel, approximately 80 feet south of the existing access road. The new greenhouse will consist of a freight container that is approximately 320 square feet in size (40 feet by 8 feet) with a total height of approximately 9.5 feet. The greenhouse will be secured on four concrete blocks approximately 15 square feet in size (5 feet by 3 feet) with a height of 3 feet. The greenhouse will be fastened to the concrete blocks using four lashing straps, one lashing strap for each block. The purchase of the concrete blocks is not included in the applicant's Intended Use of Grant Funds application.

Water to irrigate the greenhouse will be provided from an aqueduct connected to an on-site structure located approximately 80 feet northeast of the project site. All irrigation piping and connections to the greenhouse will be aboveground. Additionally, 250-gallon cisterns will be installed on the roof of the freight container to collect rainwater as a supplemental water source for irrigation. The purchase of cisterns is not included in the applicant's Intended Use of Grant Funds application.

The applicant is coordinating with the Puerto Rico Electric Power Authority (PREPA) to increase electrical capacity on the property and provide electricity directly to the greenhouse. PREPA will install a new electrical pole, an underground transformer, and an aboveground meter. The electrical pole will be approximately 18 feet in height and extend 2 to 3 feet into the ground. The pole will be secured to a concrete base approximately 2.25 square feet in size (1.5 feet by 1.5 feet) extending 2 to 4 feet into the ground. The underground transformer component will be approximately 11 cubic feet and will be installed 3 to 4 feet below ground. The aboveground electrical meter will be installed on a pedestal approximately 2 to 4 square feet in size. Underground cables will be installed to the electricity pole and the transformer. Electrical connections directly to the greenhouse will be aboveground cables. The exact locations of the new electrical pole, underground transformer, above ground meter, and underground cable lines are currently unknown and will be determined by PREPA prior to installation. All construction and installation must be approved by the Autoridad de Energía Eléctrica (AEE). The installation of utility infrastructure is not included in the applicant's Intended Use of Grant Funds application.

The project will have some ground disturbance as well as vegetation clearing and pruning, but no tree clearing is required for construction. The applicant owns the property; therefore, no acquisition is required.

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

In September of 2017, Hurricanes Irma and María produced sustained winds and intense rainfall that decimated agricultural production across the island of Puerto Rico. These

hurricanes caused the loss of eighty percent of crop value island wide, exacerbating challenges to food security and agricultural business development. The Puerto Rico Department of Agriculture (PRDA) estimated seven hundred and eighty million dollars (\$780 million) worth of damages from the hurricanes to the agricultural sector of the economy.

Many properties were damaged in Hurricane Maria, resulting in struggling businesses. The Re-Grow Puerto Rico Urban-Rural Agriculture Program (Re-Grow Program) will develop greater agricultural capacity and address the needs created by Hurricanes Irma and María with a substantial investment of CDBG-DR funds for a wide variety of viable and sustainable agricultural activities.

The applicant does not have the resources to fund the purchase and installation of the greenhouse, nor has the applicant received any other outside source of funding for the project. The new greenhouse will help increase agricultural production on the farm and support continued local agricultural production during future disasters.

Agencies consulted for the proposed project are provided in the *List of Sources, Agencies and Persons Consulted* section of this EA. Further discussion of the environmental impacts of the proposed action and alternatives is provided in the *Cumulative Impact Analysis, Alternatives/No Action Alternative, and Summary of Findings and Conclusions* sections of this EA.

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

The proposed project is located in an urban and moderately developed area of Añaaco Municipio. Land use of the eastern and central portion of the parcel is classified as Urban Land (SU), and the western portion is classified as Specially Protected Rustic Land – Agricultural (SREP-A). Land use immediately surrounding the parcel consists primarily of residential development to the south and east and commercial development to the north and west. Land use further south and west of the parcel is mostly agricultural or undeveloped.

The general topography of the property is gently sloping and open with vegetated areas. A tree line runs through the center of the property. The property is currently used for residential, commercial, and agricultural use. A few structures are located on the eastern boundary of the property, including a residence, an abandoned residence, garage, and outbuildings/storage buildings. An automobile repair shop and ranch sheds are on the east side of the tree line. No structures were identified west of the tree line.

The proposed greenhouse site is currently undeveloped and vegetated. The proposed activities are consistent with the current land use.

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)	\$11,938,162,230

Estimated Total HUD Funded Amount: \$100,000

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$100,000

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 site is not within 2,500 feet of a civil primary or commercial service airport or within 15,000 feet of a military airport. The nearest civil primary or commercial service airport, Aeropuerto Eugenio María de Hostos, is located 15,747 feet (3 miles) from the project site. The nearest military airport, Luis Munoz Marin International Airport, is located 400,367 feet (76 miles) from the project site. No further evaluation is required. The project is in compliance with airport hazards requirements. The Airport Hazards Partner Worksheet and Airport Hazards Map (Figure B 1-1) are provided in Appendix B, Attachment 1 .

<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>The project site is not located in a Coastal Barrier Resource Systems Unit (CBRS) or Otherwise Protected Area (OPA). The closest CBRS unit, Espinar, is located 39,966 feet (8 miles) from the project site. No further evaluation is required. The project is in compliance with the Coastal Barrier Resources Act.</p> <p>The Coastal Barrier Resources Act Partner Worksheet and Coastal Barrier Resources Map (Figure B 2-1) are provided in Appendix B, Attachment 2.</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>A review of the FEMA Flood Insurance Rate Map (FIRM), Community Panel 72000C0520J (effective date 11/18/2009), shows the project site is in Flood Zone X, which is not in a Special Flood Hazard Area (SFHA). Flood insurance is not required. No further evaluation is required. The project is in compliance with the Flood Disaster Protection Act and National Flood Insurance Reform Act.</p> <p>The Flood Insurance Partner Worksheet and FIRM (Figure B 3-1) are provided in Appendix B, Attachment 3.</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 in Municipio of Añasco, which is within a U.S. Environmental Protection Agency (USEPA) designated attainment area. Project activities include the purchase and installation of a new vertical harvest module greenhouse. The project is not anticipated to have a negative impact on air quality and will not increase residential density. Emissions associated with the proposed actions are temporary and limited to the use of small construction equipment and will be well below the Federal General Conformity Rule de minimis thresholds. No further evaluation is</p>

		<p>required. The project is in compliance with the Clean Air Act.</p> <p>The Air Quality Partner Worksheet, List of Non-Attainment/Maintenance Status Counties in Puerto Rico, and Clean Air Map (Figure B 4-1) are provided in Appendix B, Attachment 4.</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 site is not located within the Puerto Rico Coastal Management Zone. The closest coastal zone area is located 8,371 feet (2 miles) west of the project site. No further evaluation is required. The project is in compliance with the Coastal Zone Management Act.</p> <p>The Coastal Zone Management Partner Worksheet and Coastal Zone Map (Figure B 5-1) are provided in Appendix B, Attachment 5.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 58.5(i)(2)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project site was evaluated for potential contamination by conducting a field site inspection on May 5, 2023, to identify any onsite hazards including, but not limited to, soil staining, above ground storage tanks, signs of underground storage tanks, odors, hazardous debris etc. The site inspection identified an off-site automobile shop located approximately 450 feet north of the project site, an on-site garage with several abandoned cars located approximately 300 feet north of the project site, and an onsite auto shop for heavy machinery located approximately 170 feet west of the project site. No soil staining or odors were observed. (see Appendix C- Environmental Site Inspection Report).</p> <p>In addition, a desktop review of USEPA databases, NEPAassist, and other sources was conducted to determine if the project site was located near dump sites, junk yards, landfills, hazardous waste sites, or industrial sites, including USEPA National Priorities List Sites (Superfund sites), CERCLA or state-</p>

		<p>equivalent sites, RCRA Corrective Action sites with release(s) or suspected release(s) requiring clean-up action and/or further investigation.</p> <p>The desktop review identified two Resource Conservation and Recovery Act (RCRA) sites and two National Pollutant Discharge Elimination System (NPDES) water discharger sites within 3,000 feet of the project site. The two RCRA sites are located approximately 1,550 feet northeast and 2,560 feet northeast of the project site, and the two NPDES sites are located approximately 2,750 feet northeast of the project site. No violations have been identified for either of the RCRA sites or NPDES water discharger sites. These sites will not affect the health and safety of project occupants or conflict with the intended use of the property. The project is in compliance with contamination and toxic substances requirements.</p> <p>The Contamination and Toxics Substances Partner Worksheet, summary of desktop review findings, and Contamination and Toxic Substances Map (Figure B 6-1) are provided in Appendix B, Attachment 6.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project involves activities that have the potential to affect protected species or habitats, including but not limited to activities such as ground disturbance.</p> <p>Threatened, endangered, and migratory bird species were identified by reviewing data from the United States Fish and Wildlife Service (USFWS) Information and Planning Consultation (IPaC) Tool and the Puerto Rico Department of Natural and Environmental Resources (DNER) Species Ranges database. In addition, critical species habitat was reviewed through the USFWS IPaC, Critical Habitat</p>

	<p>Portal, and the DNER Puerto Rico State Wildlife Action Plan, a Ten-Year Review database.</p> <p>The review identified one federally listed species, the Puerto Rican Boa (<i>Chilabothrus inornatus</i>), and two state listed species, the West Indian Whistling Duck (<i>Dendrocygna arborea</i>) and Brown Pelican (<i>Pelecanus occidentalis</i>), with the potential to occur within the project area. There is no designated or proposed critical habitat within the project area; the closest designated critical habitat is located 57,511 feet (11 miles) from the project site, and the closest proposed critical habitat is located 59,207 feet (11 miles) from the project site.</p> <p>The project activities will result in ground disturbing activities, including site clearance and grading, and placement of a new harvest module greenhouse. A qualified biologist reviewed the proposed activity location and determined that there is no suitable habitat present for any federal or state listed species at the proposed project location. Therefore, as currently designed, the proposed project activities will have <i>No effect</i> on any federally listed species or critical habitat and <i>no impact</i> to all state protected species.</p> <p>If a Puerto Rican Boa is found in the project action site, work shall cease until the Boa moves off site on its own. If the Boa does not move off site, the construction manager shall contact the Puerto Rico DNER and ask for them to relocate the Boa.</p> <p>The Endangered Species Act Partner Worksheet, Threatened and Endangered Species Technical Memorandum with IPaC, and Critical Habitat Map (Figure B 7-1) are provided in Appendix B, Attachment 7.</p>
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<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 includes the purchase and installation of a new greenhouse. The project itself is not the development of a hazardous facility nor will the project increase residential densities. No further evaluation is required. The project is in compliance with explosive and flammable hazard requirements.</p> <p>The Explosive and Flammable Hazards Partner Worksheet is provided in Appendix B, Attachment 8.</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 within prime farmland; however, this project does not include any activities that could potentially convert agricultural land to non-agricultural use. Although the project includes new construction, the project is exempt from review under the Farmland Protection Policy Act (FFPA) as the project is limited to the installation of an on-farm structure needed for farm operations. No further review is required. The project is in compliance with the Farmland Protection Policy Act.</p> <p>The Farmlands Protection Partner Worksheet and Prime Farmland Map (Figure B 9-1) are provided in Appendix B, Attachment 9.</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>A review of the Advisory Base Flood Elevation (ABFE) map, Community Panel 72000C0520J (effective date 11/18/2009), shows the project site is in Flood Zone X. The project is not located in the 100-year floodplain or ABFE special flood hazard area; therefore, no further action is required. The project is in compliance with Executive Order 11988.</p> <p>The Floodplain Management Partner Worksheet and ABFE Floodplain Map (Figure B 10-1) are provided in Appendix B, Attachment 10.</p>
<p>Historic Preservation</p>	<p>Yes No</p>	<p>The proposed project involves the installation of a new vertical harvest</p>

<p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>module greenhouse on undeveloped land and ground disturbing activities of previously undisturbed soil. State Historic Preservation Office (SHPO) consultation was performed.</p> <p>No National Historic Landmark (NHL) are within or near the project area.</p> <p>A site visit was conducted on May 15, 2023, by an SOI-qualified Archaeologist. Additionally, record reviews and research were conducted at the SHPO and the Institute for Puerto Rican Culture (ICP) to determine if any archaeologically sensitive resources could be present within a 0.5-mile radius.</p> <p>The results of the record search and the site inspection indicate that one archaeological site is located 2,355 feet (0.45 mile) to the southeast of the project area. No historic properties are within the 0.50-mile radius study area or within the project Area of Potential Effect (APE). Based on the results of the historic property identification efforts, the Program has determined that project actions will not affect historic properties that compose the APE.</p> <p>The determination was submitted to SHPO by PRDOH for concurrence on June 27, 2023, and SHPO concurred with the No Historic Properties Affected determination on June 30, 2023. The project is in compliance with the National Historic Preservation Act.</p> <p>The Historic Preservation Partner Worksheet, SHPO consultation, Historic Property Map (Figure B 11-1), and Cultural Resources Map (Figure B 11-2) are provided in Appendix B, Attachment 11.</p>
<p>Noise Abatement and Control</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project activities are limited to purchase and installation of a new greenhouse and do not involve residential new construction or rehabilitation. No further evaluation is</p>

<p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>		<p>required. The project is in compliance with HUD's noise regulation.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the USEPA's Source Water Protection, Sole Source Aquifer Protection Program, there are no sole source aquifers in Puerto Rico. No further evaluation is required. The project is in compliance with the Safe Drinking Water Act.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project site was reviewed for wetlands using the USFWS Wetland Inventory Mapper and a visual confirmation during the field site inspection. A freshwater emergent wetland is located approximately 63 feet east from the project site at its closest point and will not be affected by project activities; therefore, an 8-step decision making process is not required. No further evaluation is required. The project is in compliance with Executive Order 11990.</p> <p>The Wetlands Protection Partner Worksheet and Wetland Map (Figure B 12-1) are provided in Appendix B, Attachment 12.</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 <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>A review of the USFWS National Wild and Scenic River mapper identified no Wild and Scenic Rivers or National Rivers Inventory (NRI) rivers present in Municipio of Añasco. The closest Wild and Scenic River segment is located 475,710 feet (90 miles) from the project site. No further evaluation is required. The project is in compliance with the Wild and Scenic Rivers Act.</p> <p>The Wild and Scenic Rivers Partner Worksheet and Wild and Scenic Rivers Map (Figure B 13-1) are provided in Appendix B, Attachment 13.</p>

ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The ReGrow Program intends to strengthen and to alleviate negative economic impacts to the agricultural industry in Puerto Rico. The project's direct and indirect impacts are limited to a small area on a single land parcel.</p> <p>The project will not facilitate development that will negatively affect human health or result in disproportionate adverse environmental impacts to low-income or minority populations. The project is in compliance with Executive Order 12898.</p> <p>The Environmental Justice Partner Worksheet and EJSscreen Report are provided in Appendix B, Attachment 14.</p>

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

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	<p>Land use of the eastern and central portion of the parcel is classified as Urban Land (SU), and the western portion is classified as Specially Protected Rustic Land – Agricultural (SREP-A). The proposed action is continued agricultural use of property, which is compatible with zoning and the existing land use.</p> <p>The proposed project is located in an urban and moderately developed area of Añaaco Municipio, and project activities will not contribute to urban sprawl.</p> <p>Any necessary permits should be obtained by the applicant and/or contractor from the appropriate department prior to construction activities.</p>
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	<p>Soil suitability will be assessed prior to construction and will be addressed during local permitting processes. Contractors will be required to use best management practices during construction to control erosion and prevent runoff contamination. The general topography of the property is gently sloping with open vegetated areas. The project site is generally flat and ground leveling is not anticipated.</p> <p>Landslide data from the U.S. Geological Survey (USGS) indicates no landslides per square kilometer for the project area (see Appendix A, Figure 3- USGS Landslide Map).</p> <p>DNER authorization may be required for any extraction, removal, excavation, and dredging of the components of the earth's crust.</p>
Hazards and Nuisances including Site Safety and Noise	2	<p>Contractors will be required to provide health and safety plans and monitoring during construction. Noise levels will temporarily increase during construction; however, program activities are limited to the existing farm property and will not elevate ambient noise levels long-term. Contractors will be required to comply with the applicable local noise ordinances. Noise impacts will be mitigated by restricting construction activities to daylight hours. Additionally, the project does not include housing to where inhabitants would be affected.</p>

Energy Consumption	2	The project will not result in significant additional energy consumption. The applicant is coordinating with PREPA to increase electrical capacity on the property and provide electricity directly to the greenhouse. PREPA will install a new electrical pole, an underground transformer, and an aboveground meter. All construction and installation must be approved by the AEE. The installation of utility infrastructure is not included in the applicant's Intended Use of Grant Funds application.
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Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	<p>The project will result in short-term benefit to employment if contractors are hired for the installation of the new greenhouse. After construction, the project will support the continuation of operations and intended use of the farm, which produces produce for Puerto Rico communities.</p> <p>The project is not anticipated to have a significant impact on employment and income patterns; however, the project may help restore employment opportunities and local agricultural business development.</p>
Demographic Character Changes, Displacement	2	The project is an urban and moderately developed area in Municipio of Añasco and will not alter the demographics or character of surrounding community. Project activities will not result in any direct or indirect displacement of individuals or families.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The proposed project activities will occur on private land and will not affect access to or capacity of educational or cultural facilities.
Commercial Facilities	2	The proposed project will increase agricultural production, resulting in a net positive impact to the

		applicant's farm commercial output and a positive benefit to surrounding commercial enterprises who purchase and sell the produce.
Health Care and Social Services	2	The proposed project activities will occur on private land and will not affect access to or capacity of health care and social services.
Solid Waste Disposal / Recycling	2	The proposed project may cause an increase in short-term generation of solid waste during construction. All construction debris will be disposed of at the proper facilities for the debris type (i.e., construction waste). The project will not contribute to long-term needs or changes to solid waste disposal and recycling.
Wastewater / Sanitary Sewers	2	The purchase and installation of a new greenhouse is not expected to result in significant changes in wastewater or sanitary sewer use. The project does not involve on-site waste disposal systems. Wastewater from the project will not enter environmentally sensitive areas, nor will the project produce any noxious odors affecting quality of life for nearby residents.
Water Supply	2	The proposed project activities are not expected to result in significant changes to municipal water supply. Water to irrigate the greenhouse will be provided from an aqueduct connected to an on-site structure located approximately 80 feet northeast of the project site. Additionally, 250-gallon cisterns will be installed on the roof of the freight container to collect rainwater as a supplemental water source for irrigation. The cisterns will allow the applicant to reuse rainwater to irrigate crops, reducing the consumption of municipal water supply. The purchase of cisterns is not included in the applicant's Intended Use of Grant Funds application.
Public Safety - Police, Fire and Emergency Medical	2	The proposed project activities will occur on private land and will not affect public safety concerns such as police, fire, and emergency medical services.
Parks, Open Space and Recreation	2	The proposed project activities will occur on private land and will not result in any changes to access or use of parks, open space, and recreation areas.
Transportation and Accessibility	2	The project activities will occur on private land and have no relation to transportation services. The

		proposed activities will not result in any changes in transportation and accessibility.
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Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	A freshwater emergent wetland is located approximately 63 feet east from the project site at its closest point and will not be affected by project activities. Construction activities will not affect quality or access to these resources.
Vegetation, Wildlife	2	The project site is undeveloped and vegetated. Although there will be some vegetation clearing and pruning, the project is not anticipated to negatively impact trees, vegetation, wildlife, or native plant communities. No tree clearing will occur. DNER authorization may be required for pruning. The landowner and/or the contractor will contact the Permit Management Office to determine permits and authorizations required prior to construction.
Climate Change	2	The ReGrow CDBG program proposed project aims to increase resiliency in the agricultural industry to prepare for future climate related disasters. The Climate Mapping for Resilience and Adaptation Assessment tool (https://resilience.climate.gov/#assessment-tool) provides historical and future climate data for five common climate-related hazards (extreme heat, drought, wildfires, flooding, and coastal inundation). The data model for the census tract that includes application location does not indicate a significant increase in hazard risks from climate change for drought, wildfire, or flooding, when comparing historical data from 1976-2005 to future projections. The model projects a greater number of days where temperatures will exceed 90 degrees Fahrenheit after 2015, which is a systemic trend in the model across the Island. The specific activities proposed for this economic development project are limited in scale and land impacts. The proposed greenhouse installation is for individual farm use and will not result in a significant increase in electricity or water demand. The irrigation

		<p>system used will allow the applicant to control the water to the crops and will reduce the amount needed compared to open air farming, which often results in higher evapotranspiration. Additionally, project activities will not result in tree clearing that would contribute to a loss in carbon capture.</p>
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Additional Studies Performed:

No additional studies were performed.

Field Inspection (Date and completed by):

Field inspection completed on May 15, 2023 – Delise Torres-Ortiz, SWCA Environmental Consultants.

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

Department of Economic Development and Commerce. 2023. Sole Incidental Operational Permit for Cutting, Pruning, Transplanting and Tree System Authorization. Permits Management Office. Accessed July 20, 2023. Available at: [Permits Management Office Department of Economic Development and Commerce \(pr.gov\)](https://pr.gov).

Department of Natural and Environmental Resources (DNER). 2023a. Puerto Rico State Wildlife Action Plan a Ten-Year Review. Accessed May 21, 2023. Available at: <https://arcg.is/1DmOy1>.

DNER. 2023b. Puerto Rico DNER Species Ranges – under construction. Accessed May 21, 2023. Available at: <https://arcg.is/1S9aju0>.

Federal Aviation Administration (FAA). 2022. National Plan for Integrated Airport Systems 2023-2027. Accessed May 21, 2023. Available at: [National Plan of Integrated Airport Systems \(NPIAS\) 2023-2027, Appendix B: National and State Maps \(faa.gov\)](https://faa.gov).

Federal Emergency Management Agency (FEMA). 2023. FEMA Flood Map Service Center - Map Panel 72000C0520J (effective date 11/18/2009). Accessed May 21, 2023. Available at: <https://msc.fema.gov/portal/home>.

Institute of Puerto Rican Culture (ICP). 2023. San Juan, Puerto Rico. Data collection conducted on June 12, 2023.

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- USFWS. 2023b. Critical Habitat for Threatened & Endangered Species. Accessed May 21, 2023. Available at: <https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>.
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- U.S. Forest Service. 2022. National Wild and Scenic River Segments. Accessed May 21, 2023. Available at: <https://www.rivers.gov/mapping-gis.php>; [Wild & Scenic Rivers | US Forest Service \(usda.gov\)](#).
- U.S. Geological Survey (USGS). 2022. Concentration of Landslides caused by Hurricane Maria, Puerto Rico. Accessed May 21, 2023. Available at: [U.S. Landslide Inventory \(arcgis.com\)](#).

List of Permits Obtained:

No permits have been obtained.

Public Outreach [24 CFR 58.43]:

Puerto Rico Department of Agriculture has worked closely with the agricultural community. In compliance with the National Environmental Policy Act (NEPA) regulations for HUD, the public will be notified of the project through publication of the combined Finding of No Significant Impact (FONSI) – Notice of Intent to Request Release of Funds (NOI-RROF) notice with a 15-day public comment period.

Cumulative Impact Analysis [24 CFR 58.32]:

The purchase and installation of a greenhouse at the project site is not anticipated to have a negative impact on environmental resources. None of the environmental assessment factors nor the regulations reviewed in the above checklist resulted in negative environmental impacts. Overall, the project will have a net positive impact by helping a small business increase their capacity for agricultural production. No other planned or ongoing projects were identified in the project vicinity that could contribute to cumulative impacts of environmental resources.

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

Within the boundaries of the property, other locations could be considered for the new greenhouse; however, other locations may result in tree clearing prior to construction. Off-site alternatives will require land acquisition and may have limited access to electricity and water connections; therefore, off-site locations are not a preferred alternative.

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

Under the No Action Alternative, the applicant would not receive federal funding to purchase and install a new vertical harvest module greenhouse. Consequently, the applicant may not be able to recover and continue agricultural production. Given the degree of need for greater agricultural capacity in Puerto Rico following Hurricanes Irma and María, the costs of foregoing the project would exceed the benefits.

Summary of Findings and Conclusions:

The proposed project would not result in any adverse impacts to the surrounding natural, historical, and water resources; generate significant air or noise pollution; or promote environmental or socioeconomic injustices. The proposed project activities will not require further agency consultation. No mitigation or formal compliance steps will be required for any of the laws and authorities assessed in this review.

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

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

Law, Authority, or Factor	Mitigation Measure
<p>Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p><i>General Condition:</i> The current project activities do not involve the removal of trees. If any tree clearing is to be proposed, the project will need to be re-evaluated for impacts to Threatened and Endangered Species. If a Puerto Rican Boa (Boa) is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico DNER and ask for them to relocate the Boa.</p>
<p>Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p><i>General Condition:</i> If historic properties are discovered, unanticipated effects on historic properties are found, or cultural materials are encountered, work should cease in the immediate area; work can continue where no historic properties or cultural materials are present. Please contact PRDOH to consult on further actions that may be necessary to protect historic properties or cultural materials.</p>
<p>Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design</p>	<p>Any necessary permits should be obtained by the applicant and/or contractor from the appropriate department prior to construction activities.</p>
<p>Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff</p>	<p>Contractors will be required to use best management practices during construction. DNER authorization may be required for any extraction, removal, excavation, and dredging of the components of the earth's crust.</p>
<p>Vegetation, Wildlife</p>	<p>DNER authorization may be required for pruning. The landowner and/or the contractor will contact the Permit Management Office to determine</p>

	permits and authorizations required prior to construction.
Hazards and Nuisances including Site Safety and Noise	Contractors will be required to provide health and safety plans and monitoring during construction. Contractors will be required to comply with the applicable local noise ordinances. Noise impacts will be mitigated by restricting construction activities to daylight hours.
Solid Waste Disposal / Recycling	All construction debris will be disposed of at the proper facilities for the debris type.
Energy Consumption	PREPA will install a new electrical pole, an underground transformer, and an aboveground meter. All construction and installation must be approved by the AEE.

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.

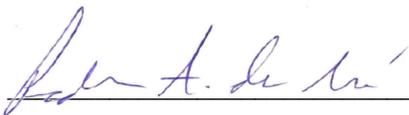
Finding of Significant Impact [24 CFR 58.40(g)(2); 40 CFR 1508.27]

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

Preparer Signature: Cristine Reguera

Date: August 04, 2023

Name/Title/Organization: Cristine Reguera, SWCA Environmental Consultants

Certifying Officer Signature: 

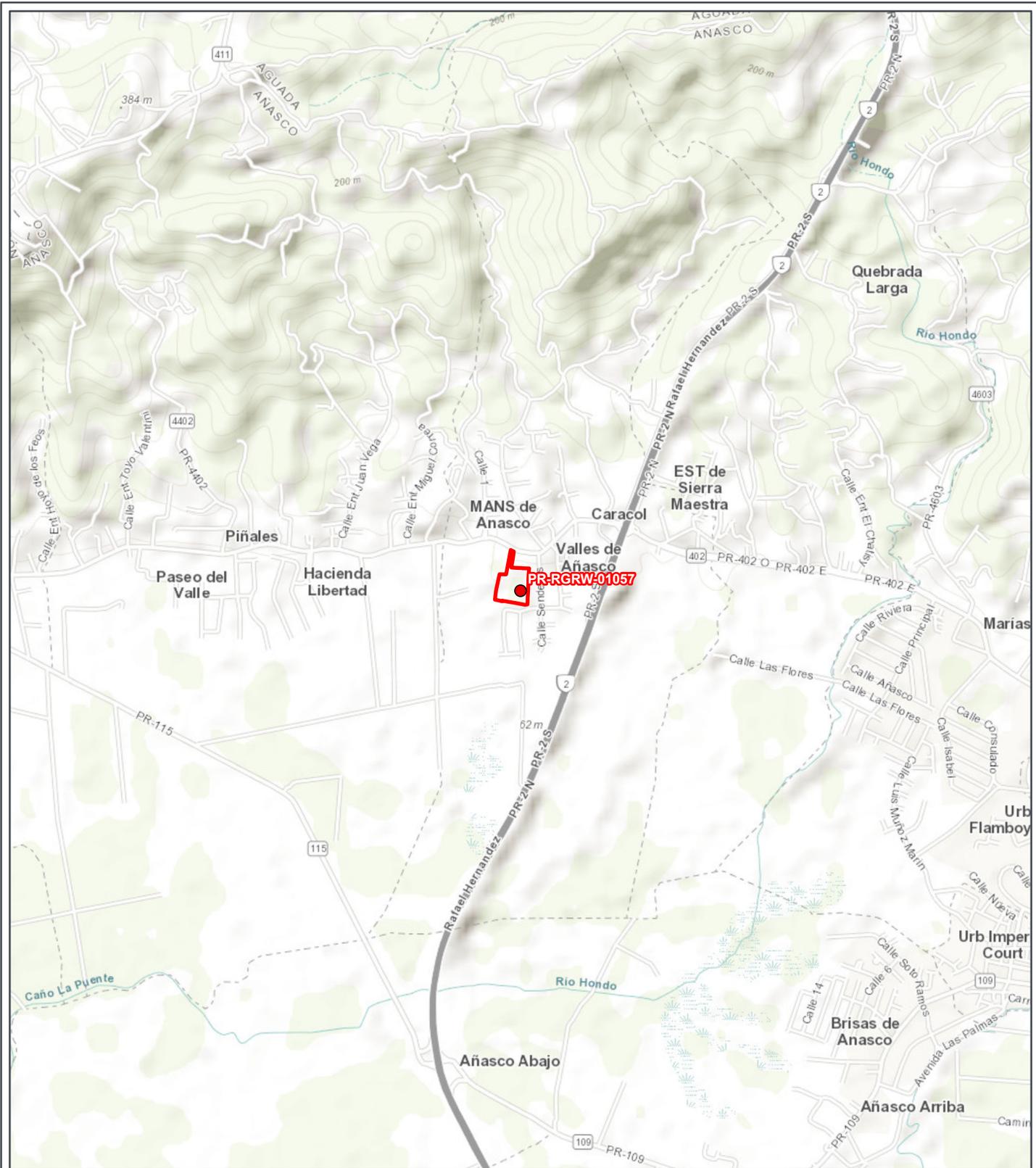
Date: 8/30/2023

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

Project Overview Figures



REGROW PROGRAM

**Figure A-1:
Site Location**

Applicant ID: PR-RGRW-01057

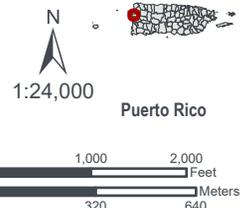


- Site
- Site Parcel

Bo. Caracol Carr. 402 km. 4.1
Anasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Base Map: ESRI ArcGIS Online,
accessed May 2023
Updated: 5/26/2023
Layout: Site Location
Aprx: 72428_ReGrowTier2Maps





REGROW PROGRAM

**Figure A-2:
Site Vicinity**

Applicant ID: PR-RGRW-01057

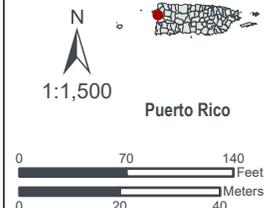


- Site
- Site Parcel
- Project Footprint (Option)

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161596°W 18.298027°N

Base Map: ESRI ArcGIS Online,
accessed May 2023
Updated: 5/26/2023
Layout: Site Vicinity
Aprx: 72428_ReGrowTier2Maps





REGROW PROGRAM

**Figure A-3:
USGS Landslide Map**

Applicant ID: PR-RGRW-01057

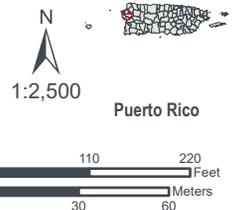


- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)
- ▭ Greater than 25 Landslides per sq km
- ▭ Less than 25 Landslides per sq km
- ▭ No Landslides
- ▭ Not Examined

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: https://arcgis.cuahsi.org/arcgis/rest/services/MariaRAPID/Hurricane_Maria_Landslides/MapServer
Base Map: ESRI ArcGIS Online, accessed May 2023
Updated: 5/26/2023
Layout: Landslide



Appendix B
Attachments and Supporting
Documentation

Attachment 1

Airport Hazards Partner Worksheet and

Airport Hazards Map



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Airport Hazards (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/airport-hazards>

1. To ensure compatible land use development, you must determine your site’s proximity to civil and military airports. Is your project within 15,000 feet of a military airport or 2,500 feet of a civilian airport?

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within the applicable distances to a military or civilian airport.*

Yes → *Continue to Question 2.*

2. Is your project located within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ)?

Yes, project is in an APZ → *Continue to Question 3.*

Yes, project is an RPZ/CZ → *Project cannot proceed at this location.*

No, project is not within an APZ or RPZ/CZ

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary below. Provide a map showing that the site is not within either zone.*

3. Is the project in conformance with DOD guidelines for APZ?

Yes, project is consistent with DOD guidelines without further action.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

No, the project cannot be brought into conformance with DOD guidelines and has not been approved. → *Project cannot proceed at this location.*

If mitigation measures have been or will be taken, explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Click here to enter text.

→ *Work with the RE/HUD to develop mitigation measures. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project site is not within 2,500 feet of a civil primary or commercial service airport or within 15,000 feet of a military airport. The nearest civil primary or commercial service airport, Aeropuerto Eugenio María de Hostos, is located 15,747 feet (3 miles) from the project site. The nearest military airport, Luis Munoz Marin International Airport, is located 400,367 feet (76 miles) from the project site. No further evaluation is required. The project is in compliance with airport hazards requirements.



REGROW PROGRAM

**Figure B 1-1:
Airport Hazards Map**

Applicant ID: PR-RGRW-01057

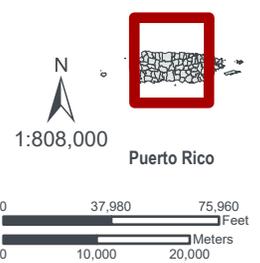


- Site
- Airport Runway
- Accident Potential Zones (APZ)
- Runway Protection Zones (RPZ)
- 2,500-FT Civil Airport Buffer
- 15,000-FT Military Airport Buffer

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
66.588847°W 18.347785°N

Data Source: <https://geodata.bts.gov/>
Base Map: ESRI ArcGIS Online,
accessed May 2023
Updated: 5/26/2023
Layout: Airport Hazards
Aprx: 72428_ReGrowTier2Maps



Attachment 2

Coastal Barrier Resources Act Partner Worksheet and Coastal Barrier Resources Map



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Coastal Barrier Resources (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/coastal-barrier-resources>

Projects located in the following states must complete this form.

Alabama	Georgia	Massachusetts	New Jersey	Puerto Rico	Virgin Islands
Connecticut	Louisiana	Michigan	New York	Rhode Island	Virginia
Delaware	Maine	Minnesota	North Carolina	South Carolina	Wisconsin
Florida	Maryland	Mississippi	Ohio	Texas	

1. Is the project located in a CBRS Unit?

- No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a CBRS Unit.*
- Yes → *Continue to 2.*

Federal assistance for most activities may not be used at this location. You must either choose an alternate site or cancel the project. In very rare cases, federal monies can be spent within CBRS units for certain exempted activities (e.g., a nature trail), after consultation with the Fish and Wildlife Service (FWS) (see [16 USC 3505](#) for exceptions to limitations on expenditures).

2. Indicate your recommended course of action for the RE/HUD

- Consultation with the FWS
- Cancel the project

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

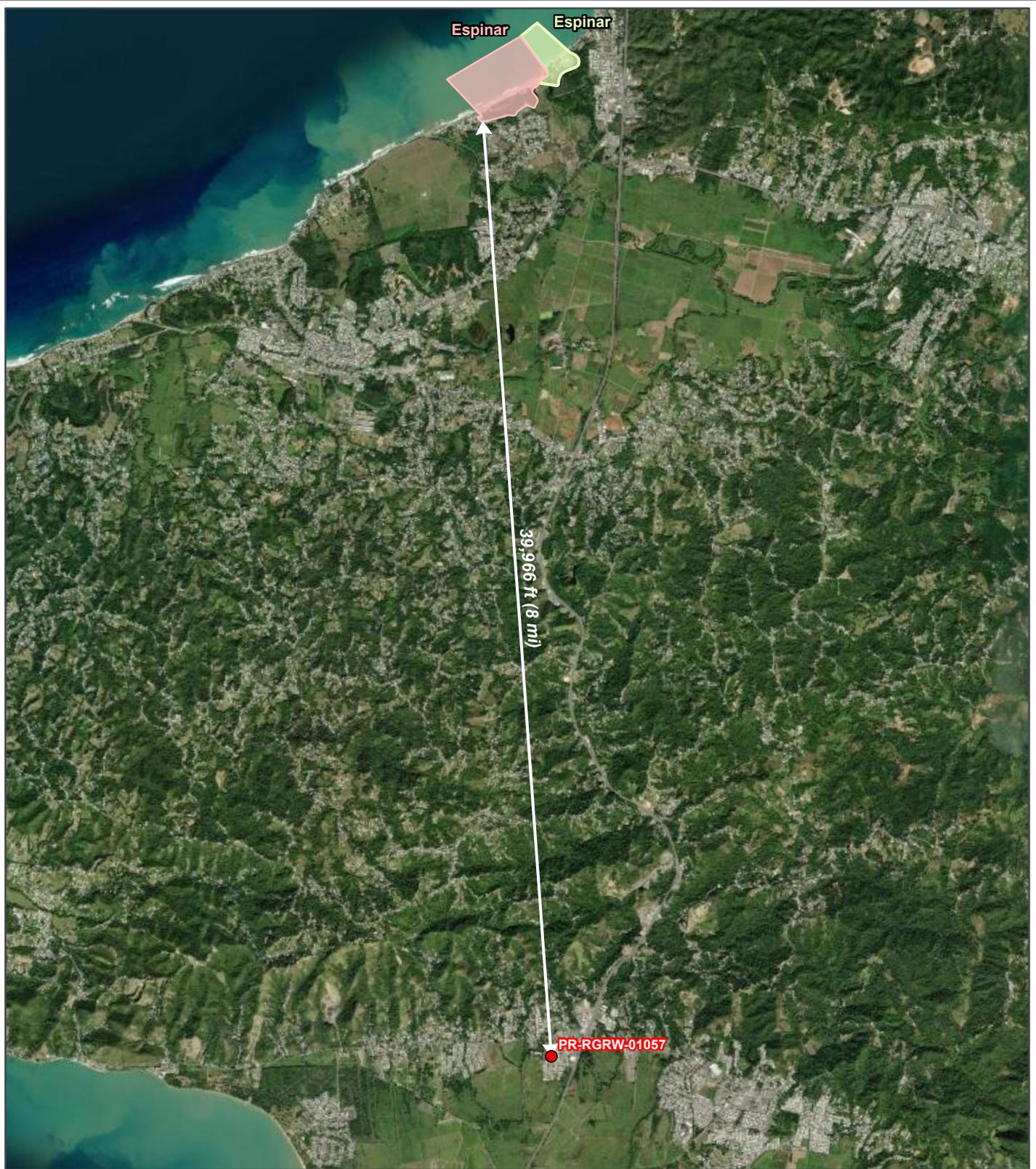
Include all documentation supporting your findings in your submission to HUD.

The project site is not located in a Coastal Barrier Resource Systems Unit (CBRS) or Otherwise Protected Area (OPA). The closest CBRS unit, Espinar, is located 39,966 feet (8 miles) from the project site. No further evaluation is required. The project is in compliance with the Coastal Barrier Resources Act.



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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REGROW PROGRAM

Figure B 2-1: Coastal Barrier Resources Map

Applicant ID: PR-RGRW-01057

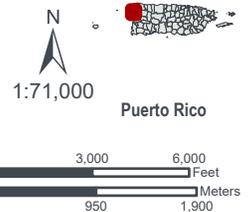


- Site
- Otherwise Protected Area
- System Unit

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.165655°W 18.352363°N

Data Source: <https://cbrsgis.wim.usgs.gov/arcgis/rest/services/CoastalBarrierResourcesSystem/MapServer>
Base Map: ESRI ArcGIS Online, accessed May 2023
Updated: 5/26/2023
Layout: Coastal Barrier Resources System



Attachment 3

Flood Insurance Partner Worksheet and Flood Insurance Rate Map



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Flood Insurance (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/flood-insurance>

1. Does this project involve mortgage insurance, refinance, acquisition, repairs, rehabilitation, or construction of a structure, mobile home, or insurable personal property?

No. This project does not require flood insurance or is excepted from flood insurance.

→ Continue to the Worksheet Summary.

Yes → Continue to Question 2.

2. Provide a FEMA/FIRM map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The [FEMA Map Service Center](#) provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs).

Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?

No → Continue to the Worksheet Summary.

Yes → Continue to Question 3.

3. Is the community participating in the National Flood Insurance Program or has less than one year passed since FEMA notification of Special Flood Hazards?

Yes, the community is participating in the National Flood Insurance Program.

Flood insurance is required. Provide a copy of the flood insurance policy declaration or a paid receipt for the current annual flood insurance premium and a copy of the application for flood insurance.

→ Continue to the Worksheet Summary.

Yes, less than one year has passed since FEMA notification of Special Flood Hazards.

If less than one year has passed since notification of Special Flood Hazards, no flood insurance is required.

→ Continue to the Worksheet Summary.

No. The community is not participating, or its participation has been suspended.

Federal assistance may not be used at this location. Cancel the project at this location.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

A review of the FEMA Flood Insurance Rate Map (FIRM), Community Panel 72000C0520J (effective date 11/18/2009), shows the project site is in Flood Zone X, which is not in a Special Flood Hazard Area (SFHA). Flood insurance is not required. No further evaluation is required. The project is in compliance with the Flood Disaster Protection Act and National Flood Insurance Reform Act.



REGROW PROGRAM

Figure B 3-1: Flood Insurance Rate Map (FIRM)

Applicant ID: PR-RGRW-01057

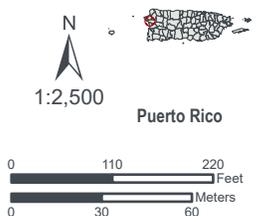


- Site
- Site Parcel
- Project Footprint (Option)
- Base Flood Elevations
- Zone A
- Zone AE
- Zone AH
- Zone AO
- Zone VE
- Floodway
- Zone X - Shaded (500-year floodplain)
- Zone X - Unshaded
- Area Not Included
- Open Water

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: <https://hazards.fema.gov/gis/nfhl/rest/services/public/NFHL/MapServer>
Base Map: ESRI ArcGIS Online, accessed May 2023
Updated: 5/26/2023
Layout: Effective Floodplain
Aprx: 72428_ReGrowTier2Maps



Attachment 4

Air Quality Partner Worksheet, List of Non-Attainment/Maintenance Status Counties in Puerto Rico, and Clean Air Map



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Air Quality (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/air-quality>

1. Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?

Yes → Continue to Question 2.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide any documents used to make your determination.

2. Is your project’s air quality management district or county in non-attainment or maintenance status for any criteria pollutants?

Follow the link below to determine compliance status of project county or air quality management district:

<http://www.epa.gov/oaqps001/greenbk/>

No, project’s county or air quality management district is in attainment status for all criteria pollutants

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

Yes, project’s management district or county is in non-attainment or maintenance status for one or more criteria pollutants. → Continue to Question 3.

3. Determine the estimated emissions levels of your project for each of those criteria pollutants that are in non-attainment or maintenance status on your project area. Will your project exceed any of the *de minimis* or *threshold* emissions levels of non-attainment and maintenance level pollutants or exceed the screening levels established by the state or air quality management district?

No, the project will not exceed *de minimis* or threshold emissions levels or screening levels

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Explain how you determined that the project would not exceed *de minimis* or *threshold* emissions.

Yes, the project exceeds *de minimis* emissions levels or screening levels.

→ *Continue to Question 4. Explain how you determined that the project would not exceed de minimis or threshold emissions in the Worksheet Summary.*

4. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

[Click here to enter text.](#)

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project site is in Municipio of Añasco, which is within a U.S. Environmental Protection Agency (USEPA) designated attainment area. Project activities include the purchase and installation of a new vertical harvest module greenhouse. The project is not anticipated to have a negative impact on air quality and will not increase residential density. Emissions associated with the proposed actions are temporary and limited to the use of small construction equipment and will be well below the Federal General Conformity Rule *de minimis* thresholds. No further evaluation is required. The project is in compliance with the Clean Air Act.



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	11121314151617181920212223	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	929394959697989900010203040506070809	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	181920212223	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	181920212223	//		Part	52,441	72/137

Important Notes

Discover.

Connect.

Ask.

Follow.

2023-02-28



REGROW PROGRAM

**Figure B 4-1:
Clean Air Map**

Applicant ID: PR-RGRW-01057



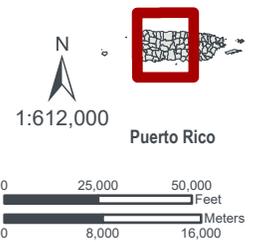
- Site
- 8-Hour Ozone (2015 Standard)*
- Lead (2008 Standard)
- PM-2.5 (2012 Standard)*
- Sulfur Dioxide (2010 Standard)

*No Data in Puerto Rico

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
66.727616°W 18.242858°N

Data Source: https://geopub.epa.gov/arcgis/rest/services/NEPAAssist/NEPAVELayersPublic_fgdb/MapServer
Base Map: ESRI ArcGIS Online, accessed May 2023
Updated: 5/26/2023
Layout: Clean Air
Aprx: 72428_ReGrowTier2Maps



Attachment 5

Coastal Zone Management Partner Worksheet and Coastal Zone Map



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Coastal Zone Management Act (CEST and EA) – PARTNER

<https://www.onecpd.info/environmental-review/coastal-zone-management>

Projects located in the following states must complete this form.

Alabama	Florida	Louisiana	Mississippi	Ohio	Texas
Alaska	Georgia	Maine	New Hampshire	Oregon	Virgin Islands
American Samona	Guam	Maryland	New Jersey	Pennsylvania	Virginia
California	Hawaii	Massachusetts	New York	Puerto Rico	Washington
Connecticut	Illinois	Michigan	North Carolina	Rhode Island	Wisconsin
Delaware	Indiana	Minnesota	Northern Mariana Islands	South Carolina	

1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

Yes → Continue to Question 2.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a Coastal Zone.

2. Does this project include activities that are subject to state review?

Yes → Continue to Question 3.

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

3. Has this project been determined to be consistent with the State Coastal Management Program?

Yes, with mitigation. → The RE/HUD must work with the State Coastal Management Program to develop mitigation measures to mitigate the impact or effect of the project.

Yes, without mitigation. → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

No → Project cannot proceed at this location.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project site is not located within the Puerto Rico Coastal Management Zone. The closest coastal zone area is located 8,371 feet (2 miles) west of the project site. No further evaluation is required. The project is in compliance with the Coastal Zone Management Act.



REGROW PROGRAM

Figure B 5-1: Coastal Zone Management Map

Applicant ID: PR-RGRW-01057

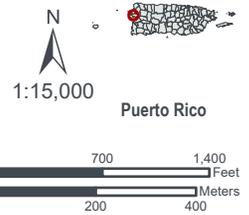


- Site
- Coastal Management Zone

Bo. Caracol Carr. 402 km. 4.1
 Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
 Parcel Center:
 67.17155°W 18.291503°N

Data Source: [https://coast.noaa.gov/arcgis/rest/services/Hosted/CoastalZoneManagementAct/BaseMap:ESRI ArcGIS Online](https://coast.noaa.gov/arcgis/rest/services/Hosted/CoastalZoneManagementAct/BaseMap:ESRI%20ArcGIS%20Online), accessed May 2023
 Updated: 5/30/2023
 Layout: Coastal Zone Management
 Aprx: 72428_ReGrowTier2Maps



Attachment 6

Contamination and Toxics Substances Partner Worksheet, Summary of Desktop Review Findings, and Toxics and Contamination Map



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Contamination and Toxic Substances (Multifamily and Non-Residential Properties) – PARTNER

<https://www.hudexchange.info/programs/environmental-review/site-contamination>

1. How was site contamination evaluated? ¹ Select all that apply.

- ASTM Phase I ESA
- ASTM Phase II ESA
- Remediation or clean-up plan
- ASTM Vapor Encroachment Screening
- None of the above

→ Provide documentation and reports and include an explanation of how site contamination was evaluated in the Worksheet Summary.

Continue to Question 2.

2. Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property? (Were any recognized environmental conditions or RECs identified in a Phase I ESA and confirmed in a Phase II ESA?)

- No → Explain below.

The project site was evaluated for potential contamination by conducting a field site inspection on May 5, 2023, to identify any onsite hazards including, but not limited to, soil staining, above ground storage tanks, signs of underground storage tanks, odors, hazardous debris etc. The site inspection identified an off-site automobile shop located approximately 450 feet north of the project site, an on-site garage with several abandoned cars located approximately 300 feet north of the project site, and an onsite auto shop for heavy machinery located approximately 170 feet west of the project site. No soil staining or odors were observed.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

¹ HUD regulations at 24 CFR § 58.5(i)(2)(ii) require that the environmental review for multifamily housing with five or more dwelling units or non-residential property include the evaluation of previous uses of the site or other evidence of contamination on or near the site. For acquisition and new construction of multifamily and nonresidential properties HUD strongly advises the review include an ASTM Phase I Environmental Site Assessment (ESA) to meet real estate transaction standards of due diligence and to help ensure compliance with HUD’s toxic policy at 24 CFR §58.5(i) and 24 CFR §50.3(i). Also note that some HUD programs require an ASTM Phase I ESA.

Yes → Describe the findings, including any recognized environmental conditions (RECs), in Worksheet Summary below. Continue to Question 3.

3. Can adverse environmental impacts be mitigated?

Adverse environmental impacts cannot feasibly be mitigated → HUD assistance may not be used for the project at this site. Project cannot proceed at this location.

Yes, adverse environmental impacts can be eliminated through mitigation.
→ Provide all mitigation requirements² and documents. Continue to Question 4.

4. Describe how compliance was achieved. Include any of the following that apply: State Voluntary Clean-up Program, a No Further Action letter, use of engineering controls³, or use of institutional controls⁴.

Click here to enter text.

If a remediation plan or clean-up program was necessary, which standard does it follow?

- Complete removal
- Risk-based corrective action (RBCA)

→ Continue to the Worksheet Summary.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project site was evaluated for potential contamination by conducting a field site inspection on May 5, 2023, to identify any onsite hazards including, but not limited to, soil staining, above ground storage tanks, signs of underground storage tanks, odors, hazardous debris etc. The site inspection identified an off-site automobile shop located approximately 450 feet north of the project site, an on-site garage with

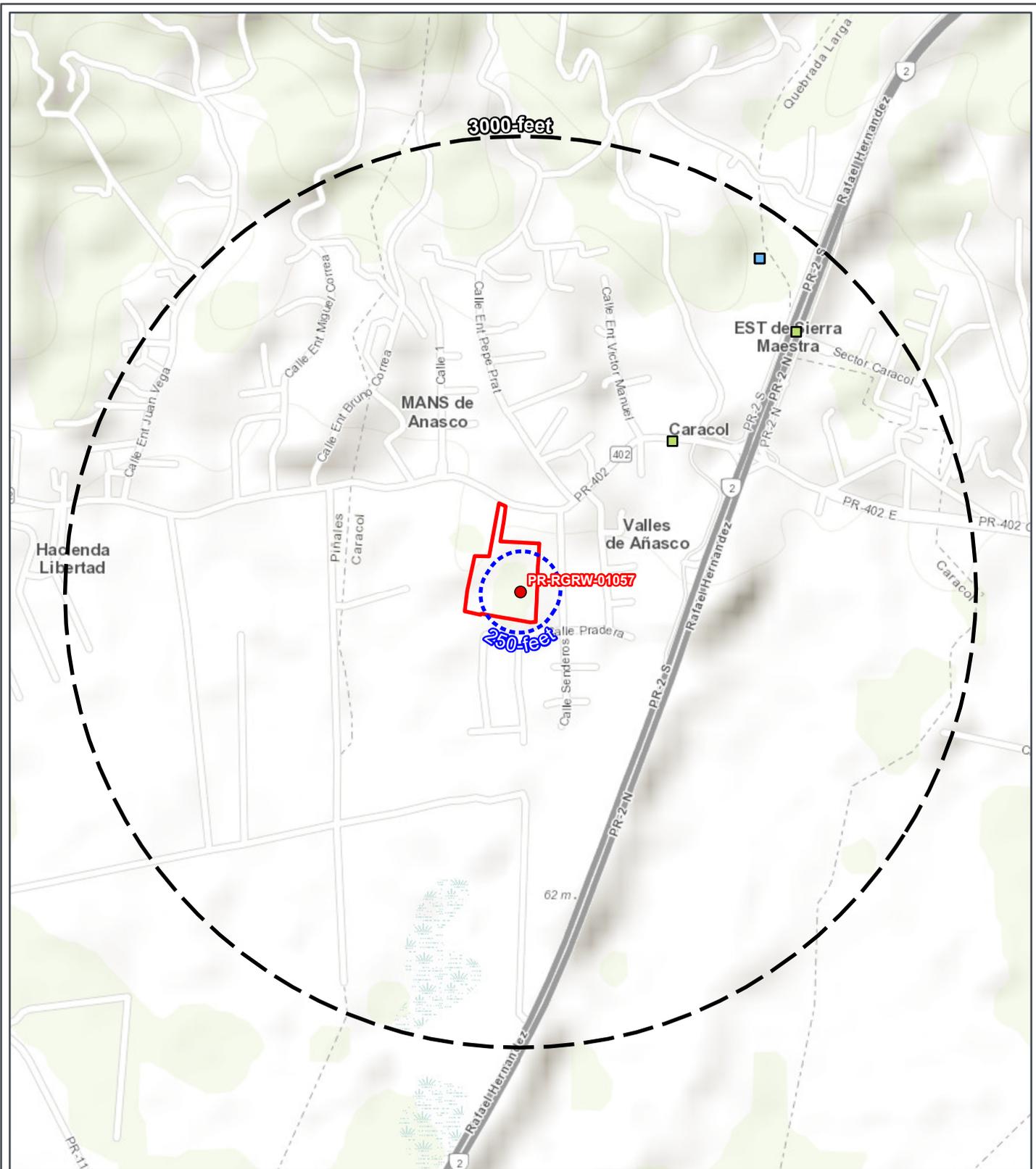
² Mitigation requirements include all clean-up actions required by applicable federal, state, tribal, or local law. Additionally, provide, as applicable, the long-term operations and maintenance plan, Remedial Action Work Plan, and other equivalent documents.

³ Engineering controls are any physical mechanism used to contain or stabilize contamination or ensure the effectiveness of a remedial action. Engineering controls may include, without limitation, caps, covers, dikes, trenches, leachate collection systems, signs, fences, physical access controls, ground water monitoring systems and ground water containment systems including, without limitation, slurry walls and ground water pumping systems.

⁴ Institutional controls are mechanisms used to limit human activities at or near a contaminated site, or to ensure the effectiveness of the remedial action over time, when contaminants remain at a site at levels above the applicable remediation standard which would allow for unrestricted use of the property. Institutional controls may include structure, land, and natural resource use restrictions, well restriction areas, classification exception areas, deed notices, and declarations of environmental restrictions.

several abandoned cars located approximately 300 feet north of the project site, and an onsite auto shop for heavy machinery located approximately 170 feet west of the project site. No soil staining or odors were observed.

In addition, a desktop review of USEPA databases, NEPAAssist, and other sources was conducted to determine if the project site was located near dump sites, junk yards, landfills, hazardous waste sites, or industrial sites, including USEPA National Priorities List Sites (Superfund sites), CERCLA or state-equivalent sites, RCRA Corrective Action sites with release(s) or suspected release(s) requiring clean-up action and/or further investigation. The desktop review identified two Resource Conservation and Recovery Act (RCRA) sites and two National Pollutant Discharge Elimination System (NPDES) water discharger sites within 3,000 feet of the project site. The two RCRA sites are located approximately 1,550 feet northeast and 2,560 feet northeast of the project site, and the two NPDES sites are located approximately 2,750 feet northeast of the project site. No violations have been identified for either of the two RCRA sites or either of the two NPDES water discharger sites. Therefore, neither the RCRA nor NPDES water discharger sites will not affect the health and safety of project occupants or conflict with the intended use of the property. The project is in compliance with contamination and toxic substances requirements.



REGROW PROGRAM

**Figure B 6-1:
Contamination and
Toxic Substances Map**

Applicant ID: PR-RGRW-01057

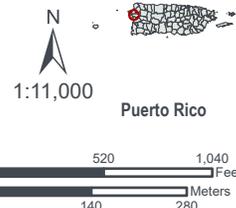


- Site
- Site Parcel
- Project Footprint (Option)
- Buffer (250-feet)
- Buffer (3000-feet)
- Water dischargers
- Toxic Substances Control Act
- Toxic releases
- Superfund
- Hazardous waste
- Brownfields
- Air pollution

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: <https://geopub.epa.gov/arcgis/rest/services/EMEF/elpoints/MapServer>
Base Map: ESRI ArcGIS Online, accessed May 2023
Updated: 5/30/2023
Layout: Contamination and Toxic Substances



Contamination and Toxics Sites Summary

Bo. Caracol Carretera 402 Kilómetro 4.1, Añaaco, Puerto Rico, 00610

Database	Primary ID	Facility Name	Facility Address	Secondary ID	Latitude	Longitude	Distance (ft)	Status
ECHO- RCRA	110004889229	SPECTROL CARIBE CORP	CARR 402 KM 1.3 MARIASIP, ANASCO, PR 00610	PRD980595110	18.300264	-67.158351	1,550	No violations identified. Listed as inactive. EPA correspondence attached.
ECHO- RCRA	110004895409	SUCN RAFAEL CARO 2P-314	PR-2 KM 143 INT PR-402, ANASCO, PR 00610	PRR000012021	18.302264	-67.155999	2,560	No violations identified. Listed as inactive. EPA correspondence attached.
ECHO- water discharger	110070865564	MAS INTEGRATED SCHOOL, MASIS, INC.	ROAD PR-2, KM 142.6, CARACOL WARD, ANASCO, PR 00610	PRR1000AU	18.303600	-67.156700	2,750	No violations identified. Construction Stormwater Permit Expried 02/15/2022. EPA correspondence attached.
ECHO- water discharger	110070865564	MAS INTEGRATED SCHOOL, MASIS, INC.	ROAD PR-2, KM 142.6, CARACOL WARD, ANASCO, PR 00610	PRR1000AS	18.302264	-67.155999	2,750	No violations identified. Construction Stormwater Permit Expried 02/15/2022. EPA correspondence attached.

Detailed Facility Report



Detailed Facility Report

Facility Summary

SPECTROL CARIBE CORP

CARR 402 KM 1.3 MARIASIP, ANASCO, PR 00610

FRS (Facility Registry Service) ID: 110004889229

EPA Region: 02

Latitude: 18.300264

Longitude: -67.158351

Locational Data Source: FRS

Industries: Computer and Electronic Product Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	09/19/2001
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive
Other, (PRD980595110)

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>110004889229</u>					N	18.300264	-67.158351
RCRAInfo	RCRA	PRD980595110	Other	Inactive ()			N	18.300264	-67.158351

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		<u>110004889229</u>	SPECTROL CARIBE CORP	CARR 402 KM 1.3 MARIASIP, ANASCO, PR 00610	A+jasco Municipio
RCRAInfo	RCRA	PRD980595110	SPECTROL CARIBE CORP	CARR 402 KM 1.3 MARIASIP, ANASCO, PR 00610	A+jasco Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRD980595110	334419	Other Electronic Component Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History Last 5 Years ▼

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD980595110	No	07/22/2023	0	07/21/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRD980595110)	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified											
	Violation	Agency											

Informal Enforcement Actions Last 5 Years ▼

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

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

Formal Enforcement Actions Last 5 Years

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

Compare to US State

Index Type Environmental Justice Supplemental

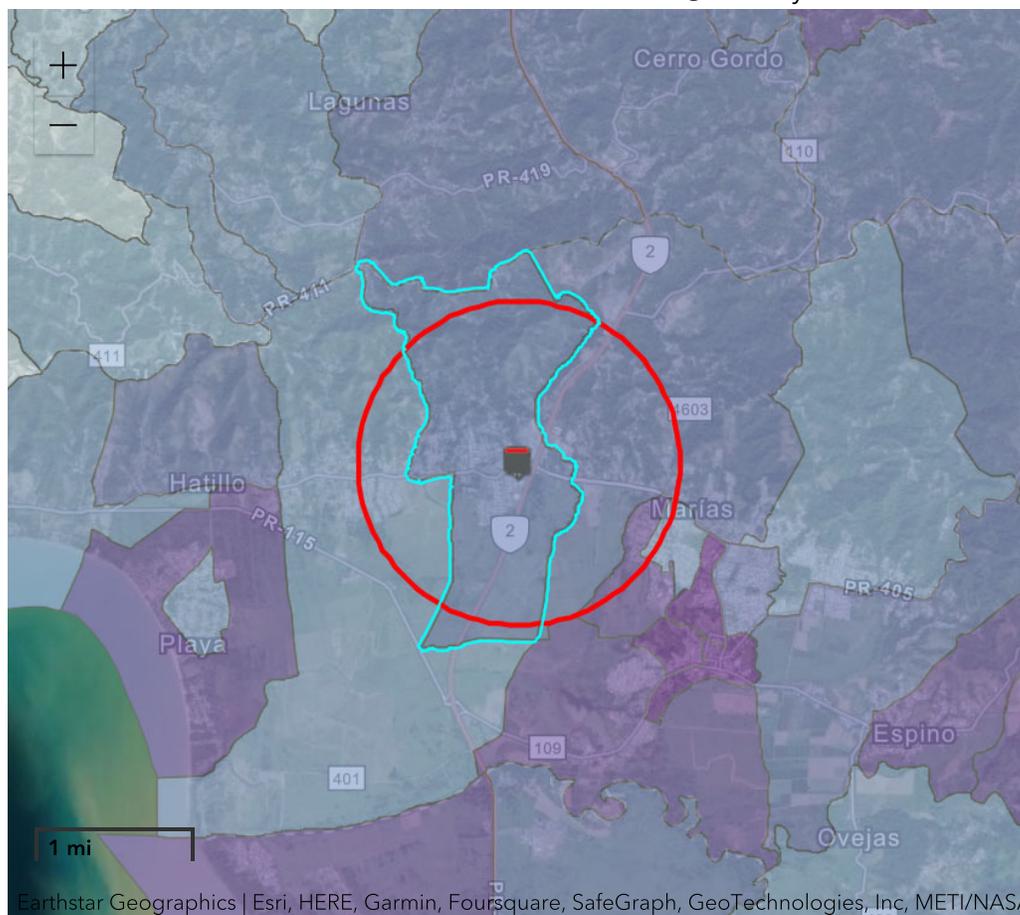
Related Reports

[EJScreen Community Report](#)

Download Data

Census Block Group ID: 720118106002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	6	7
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	7	11
Air Toxics Cancer Risk	99	99
Air Toxics Respiratory Hazard Index	44	61
Traffic Proximity	95	95
Lead Paint	61	99
Risk Management Plan (RMP) Facility Proximity	93	99
Hazardous Waste Proximity	95	99
Superfund Proximity	88	96
Underground Storage Tanks (UST)	0	89
Wastewater Discharge	82	99

Facility 1-mile Radius Facility Census Block Group



Earthstar Geographics | Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, NPS

Powered by Esri

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)		Age Breakdown (U.S. Census) - Persons (%)	
Total Persons	5,073	Children 5 years and younger	300 (6%)

Detailed Facility Report



Detailed Facility Report

Facility Summary

SUCN RAFAEL CARO 2P-314

PR-2 KM 143 INT PR-402, ANASCO, PR 00610

FRS (Facility Registry Service) ID: 110004895409

EPA Region: 02

Latitude: 18.302264

Longitude: -67.155999

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive
Other, (PRR000012021)

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		110004895409					N	18.302264	-67.155999
ICIS		600007611					N	18.299444	-67.156667
RCRAInfo	RCRA	PRR000012021	Other	Inactive ()			N	18.32232	-67.146186

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004895409	SUCN RAFAEL CARO 2P-314	PR-2 KM 143 INT PR-402, ANASCO, PR 00610	A+asco Municipio
ICIS		600007611	EX ESSO S/S 2P-314 (ALL STAR)	RD. 2 KM 143 & RD. 402, BO. CARACOL, ANASCO, PR 00610	A+asco Municipio
RCRAInfo	RCRA	PRR000012021	SUCN RAFAEL CARO 2P-314	CARR 2 KM 143 INT CARR 402, ANASCO, PR 00610	A+asco Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
--------	------------	----------	-----------------

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
---------	-----------	--------	---------------	----------------------------	-------------	------	-------------------------

No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000012021	No	07/22/2023	0	07/21/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRR000012021)	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified											
	Violation												
	Agency												

Informal Enforcement Actions Last 5 Years

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

No data records returned

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

Formal Enforcement Actions Last 5 Years

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

Compare to US State

Index Type Environmental Justice Supplemental

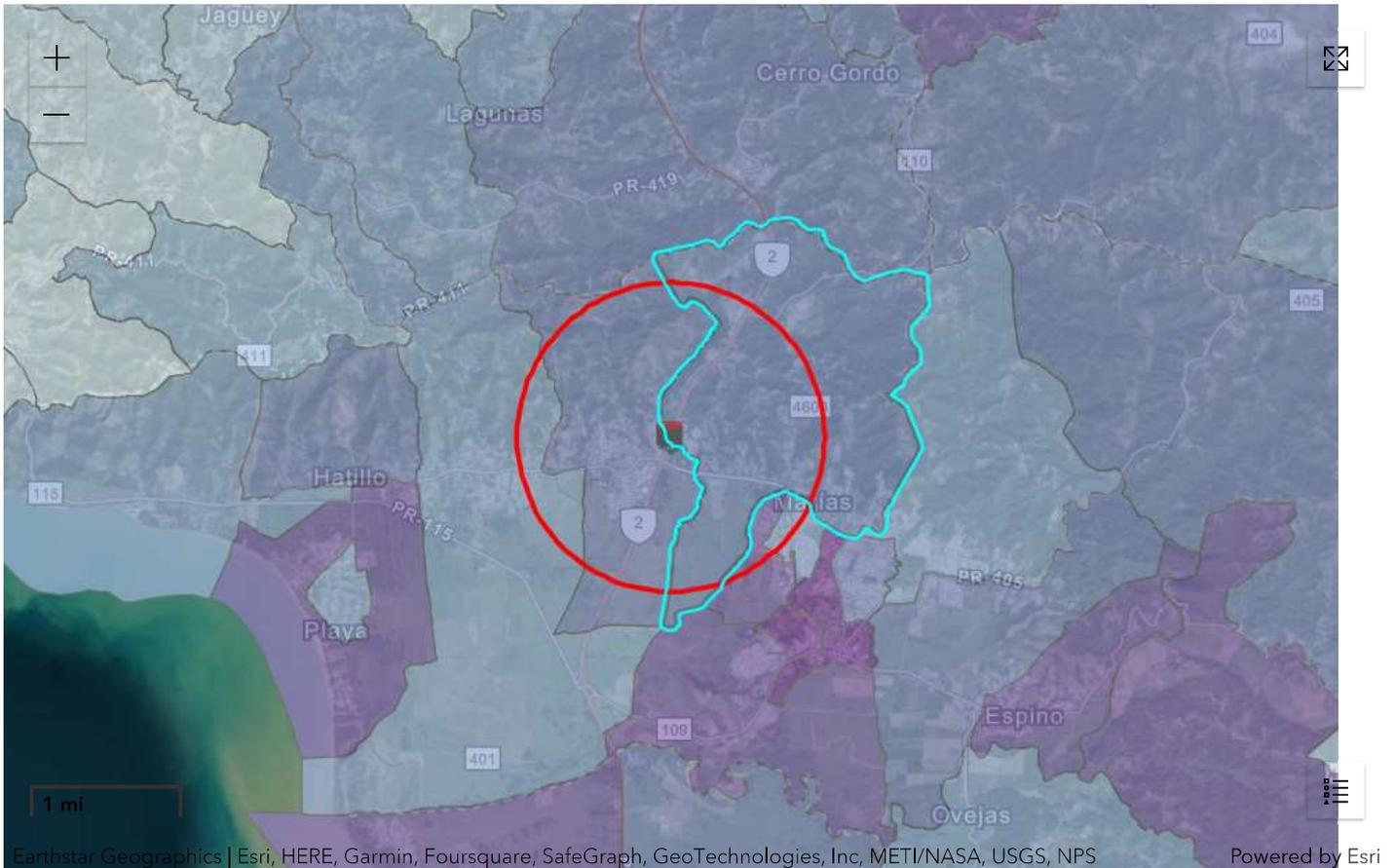
Related Reports

[EJScreen Community Report](#)

Download Data

Census Block Group ID: 720118105004	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	6	7
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	8	11
Air Toxics Cancer Risk	99	99
Air Toxics Respiratory Hazard Index	47	61
Traffic Proximity	95	95
Lead Paint	69	99
Risk Management Plan (RMP) Facility Proximity	96	99
Hazardous Waste Proximity	98	99
Superfund Proximity	90	96
Underground Storage Tanks (UST)	0	89
Wastewater Discharge	97	99

○ Facility 1-mile Radius □ Facility Census Block Group



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	5,319
Population Density	1,695/sq.mi.
Housing Units in Area	2,232

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	310 (6%)
Minors 17 years and younger	1,288 (24%)
Adults 18 years and older	4,031 (76%)
Seniors 65 years and older	719 (14%)

General Statistics (ACS (American Community Survey))	
Total Persons	4,106
Percent People of Color	96%
Households in Area	1,297
Households on Public Assistance	24
Persons With Low Income	2,584
Percent With Low Income	64%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.302264
Center Longitude	-67.155999
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	388 (29.96%)
\$15,000 - \$25,000	215 (16.6%)
\$25,000 - \$50,000	405 (31.27%)
\$50,000 - \$75,000	139 (10.73%)
Greater than \$75,000	148 (11.43%)

Race Breakdown (U.S. Census) - Persons (%)	
White	4,354 (82%)
African-American	329 (6%)
Hispanic-Origin	5,283 (99%)
Asian/Pacific Islander	15 (0%)
American Indian	23 (0%)
Other/Multiracial	598 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	642 (22.75%)
9th through 12th Grade	269 (9.53%)
High School Diploma	698 (24.73%)
Some College/2-year	247 (8.75%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	643 (22.79%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Detailed Facility Report



Detailed Facility Report

Facility Summary

MAS INTEGRATED SCHOOL, MASIS, INC.

ROAD PR-2, KM 142.6, CARACOL WARD, ANASCO, PR 00610

FRS (Facility Registry Service) ID: 110070865564

EPA Region: 02

Latitude: 18.3036

Longitude: -67.1567

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Minor, Permit Expired (PRR1000AS),
Minor, Permit Expired (PRR1000AU)

Resource Conservation and Recovery Act (RCRA): No Information

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		110070865564					N	18.3036	-67.1567
ICIS-NPDES	CWA	PRR1000AS	Minor: General Permit Covered Facility	Expired	Construction Stormwater	02/15/2022	N	18.3036	-67.1567
ICIS-NPDES	CWA	PRR1000AU	Minor: General Permit Covered Facility	Expired	Construction Stormwater	02/15/2022	N	18.3036	-67.1567

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070865564	MAS INTEGRATED SCHOOL, MASIS, INC.	ROAD PR-2, KM 142.6, CARACOL WARD, ANASCO, PR 00610	
ICIS-NPDES	CWA	PRR1000AS	MAS INTEGRATED SCHOOL, MASIS, INC.	ROAD PR-2, KM 142.6, CARACOL WARD, ANASCO, PR 00610	
ICIS-NPDES	CWA	PRR1000AU	MAS INTEGRATED SCHOOL MASIS, INC.	ROAD PR-2, KM 142.6, CARACOL WARD, ANASCO, PR 00610	

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years ▼

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
---------	-----------	--------	---------------	----------------------------	-------------	------	-------------------------

No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR1000AS	No	03/31/2023	0	07/21/2023
CWA	PRR1000AU	No	03/31/2023	0	07/21/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
CWA	(Source ID: PRR1000AS)	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-07/21/23
	Facility-Level Status	No Violation Identified	Undetermined											
	Quarterly Noncompliance Report History													
CWA	(Source ID: PRR1000AU)	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-07/21/23
	Facility-Level Status	No Violation Identified	Undetermined											
	Quarterly Noncompliance Report History													

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?
210100030213	Cano La Puente	RIO GRANDE DE ANASCO	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRWR83A	RIO GRANDE DE ANASCO	Impaired - 303(d) Listed - With Restoration Plan	METALS (OTHER THAN MERCURY) NUTRIENTS PATHOGENS TURBIDITY	Not Supporting	Not Supporting	--	Not Supporting	--

Air Quality Nonattainment Areas

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

Compare to US State

Index Type Environmental Justice Supplemental

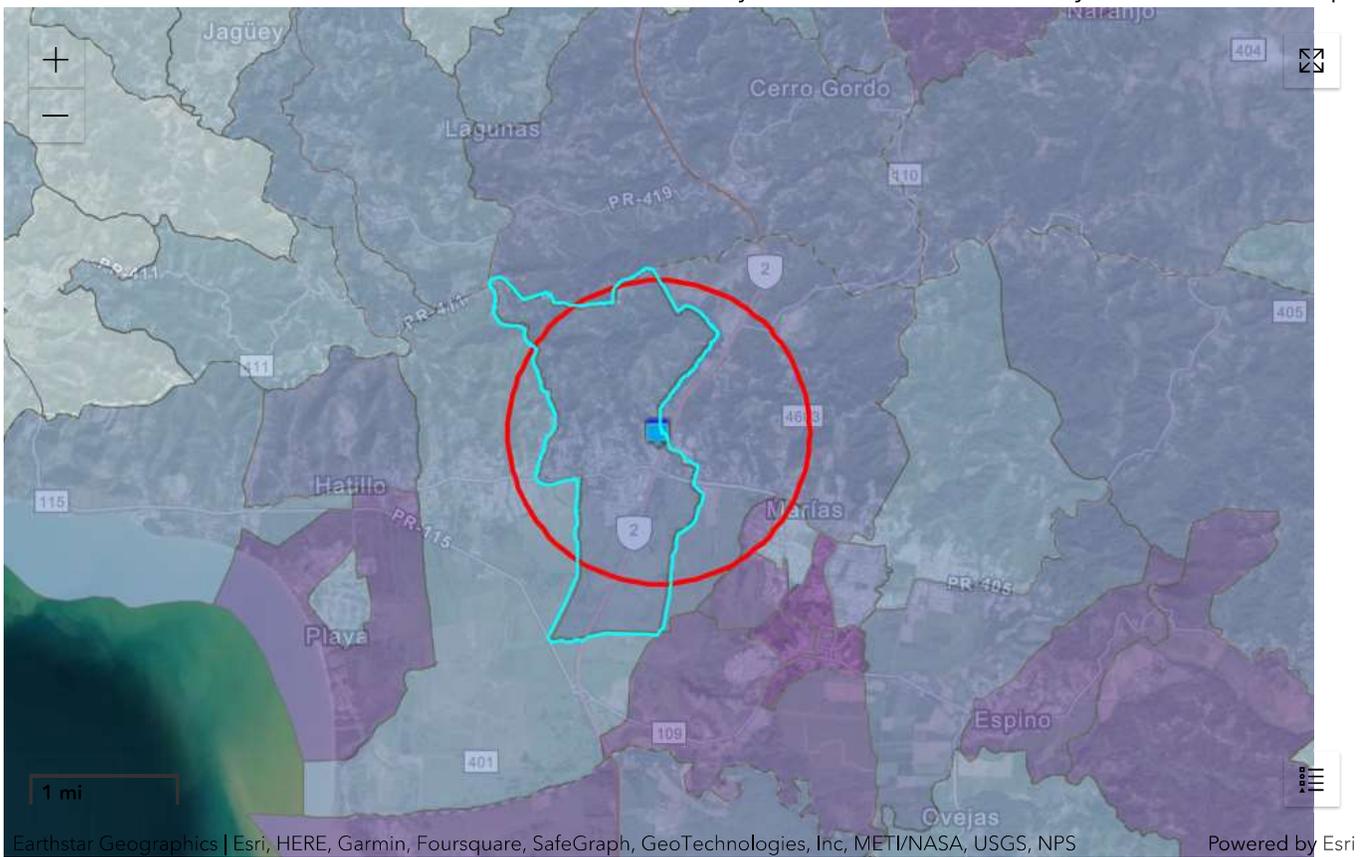
Related Reports

[EJScreen Community Report](#)

Download Data

Census Block Group ID: 720118106002	US (Percentile)	
	Facility Census Block Group	1-mile Max
Supplemental Indexes		
Count of Indexes At or Above 80th Percentile	6	7
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	7	11
Air Toxics Cancer Risk	99	99
Air Toxics Respiratory Hazard Index	44	61
Traffic Proximity	95	95
Lead Paint	61	99
Risk Management Plan (RMP) Facility Proximity	93	99
Hazardous Waste Proximity	95	99
Superfund Proximity	88	96
Underground Storage Tanks (UST)	0	95
Wastewater Discharge	82	99

○ Facility 1-mile Radius □ Facility Census Block Group



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	4,999
Population Density	1,599/sq.mi.
Housing Units in Area	2,101

General Statistics (ACS (American Community Survey))	
Total Persons	3,696

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	298 (6%)
Minors 17 years and younger	1,240 (25%)
Adults 18 years and older	3,759 (75%)
Seniors 65 years and older	626 (13%)

Race Breakdown (U.S. Census) - Persons (%)	
--	--

General Statistics (ACS (American Community Survey))	
Percent People of Color	96%
Households in Area	1,170
Households on Public Assistance	19
Persons With Low Income	2,311
Percent With Low Income	63%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.3036
Center Longitude	-67.1567
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	346 (29.6%)
\$15,000 - \$25,000	196 (16.77%)
\$25,000 - \$50,000	355 (30.37%)
\$50,000 - \$75,000	140 (11.98%)
Greater than \$75,000	132 (11.29%)

Race Breakdown (U.S. Census) - Persons (%)	
White	4,124 (83%)
African-American	307 (6%)
Hispanic-Origin	4,966 (99%)
Asian/Pacific Islander	15 (0%)
American Indian	17 (0%)
Other/Multiracial	536 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	593 (23.01%)
9th through 12th Grade	266 (10.32%)
High School Diploma	600 (23.28%)
Some College/2-year	216 (8.38%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	612 (23.75%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Attachment 7

**Endangered Species Act Partner
Worksheet, Threatened and Endangered
Species Technical Memorandum,
USFWS IPaC Species List, and Critical
Habitat Map**



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Endangered Species Act (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/endangered-species>

1. Does the project involve any activities that have the potential to affect species or habitats?

No, the project will have No Effect due to the nature of the activities involved in the project.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office.

Explain your determination:

[Click here to enter text.](#)

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

Yes, the activities involved in the project have the potential to affect species and/or habitats. → Continue to Question 2.

2. Are federally listed species or designated critical habitats present in the action area?

Obtain a list of protected species from the Services. This information is available on the [FWS Website](#).

No, the project will have No Effect due to the absence of federally listed species and designated critical habitat.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation may include letters from the Services, species lists from the Services’ websites, surveys or other documents and analysis showing that there are no species in the action area.

Yes, there are federally listed species or designated critical habitats present in the action area. → Continue to Question 3.

3. Recommend one of the following effects that the project will have on federally listed species or designated critical habitat:

No Effect: Based on the specifics of both the project and any federally listed species in the action area, you have determined that the project will have absolutely no effect on listed species or critical habitat.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation should include a species list and explanation of your conclusion, and may require maps, photographs, and surveys as appropriate.*

May Affect, Not Likely to Adversely Affect: Any effects that the project may have on federally listed species or critical habitats would be beneficial, discountable, or insignificant.

→ Partner entities should not contact the Services directly. *If the RE/HUD agrees with this recommendation, they will have to complete Informal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.*

Likely to Adversely Affect: The project may have negative effects on one or more listed species or critical habitat.

→ Partner entities should not contact the Services directly. *If the RE/HUD agrees with this recommendation, they will have to complete Formal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

No suitable habitat for any federal or state listed species is present within the proposed project location and no tree clearing or vegetation removal is proposed as a part of construction activities; therefore, project activities will have *no effect* to any federal listed species or critical habitat and *no impact* on state listed species. The project site is 11 miles away from the closest final designated critical habitat and proposed critical habitat. See the attached Threatened and Endangered Species Technical Memorandum.

TECHNICAL MEMORANDUM

For: Puerto Rico Department of Housing
CDBG-DR & CDBG-MIT Program
ReGrow Environmental Assessment

From: Susan Fischer, Wildlife Ecologist

Date: May 23, 2023

Re: **Threatened and Endangered Species Review for Bo. Caracol, Carretera 402 KM. 4.1, Añasco**

Project Name: TERRA FARM LLC / PR-RGRW-01057
Site Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco
GPS Coordinates: 18.297514, -67.161037

This Threatened and Endangered Species Review evaluates the placement of a new hydroponic freight container. This parcel is located at Bo. Caracol, Carretera 402 KM. 4.1, Añasco, Puerto Rico. To complete this review, the United States Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) system, Puerto Rico Department of Natural and Environmental Resources (DNER) Species Ranges, and Puerto Rico State Wildlife Action Plan_a Ten Year Review online mapping databases were consulted, then a site inspection performed to evaluate on-site nest and habitat potential. For the purposes of this review, the evaluation encompasses a maximum 100-foot buffer around the proposed project location.

The species list for the site was generated by the USFWS Caribbean Ecological Services Field Office in Boqueron, Puerto Rico (attached). Since all project activities will occur on land, marine and aquatic species have been excluded from the evaluation. For any activities located near wetlands and/or waterbodies, best management practices (BMPs) will be implemented to prevent impacts to freshwater species. According to the IPaC results, the property is located within the habitat range of one terrestrial species considered to be threatened or endangered under the Endangered Species Act:

- Puerto Rican Boa (*Chilabothrus inornatus*)

A review of the Puerto Rico DNER Species Ranges online system indicated the following additional state-listed species may occur in within the review area:

- West Indian Whistling Duck (*Dendrocygna arborea*)
- Brown Pelican (*Pelecanus occidentalis*)

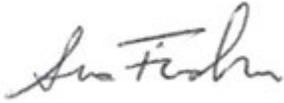
A site inspection on May 15, 2023 found the parcel is situated in an already developed residential area. The property is vacant and the lot consists of an undeveloped open field. Representative photographs of the subject property are included in the Environmental Field Assessment Photographic Log. The site inspector did not observe any suitable ground or vegetative habitat, individuals, or nests for any listed species at the

proposed project location. There is no critical habitat for any species found within the subject property based on the USFWS and Puerto Rico State Wildlife Action Plan_a Ten Year Review databases.

Based on agency data and site observations, this review concludes that the placement of a new hydroponic freight container on the parcel will result in *no effect* to all state and federally protected species with the potential to occur in the area.

I can be reached by phone (346-388-1157) or email (Susan.Fischer@swca.com) with any questions or concerns.

Sincerely,

A handwritten signature in cursive script, appearing to read "Susan Fischer".

Susan Fischer
Wildlife Ecologist
SWCA Environmental Consultants

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

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

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.

You are still required to determine if your project(s) may have effects on all above listed species.

Migratory birds

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

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

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

Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take->

[migratory-birds](#)

- Nationwide conservation measures for birds

<https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

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

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

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

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

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

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

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

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

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

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

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

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

What are the levels of concern for migratory birds?

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

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

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

Details about birds that are potentially affected by offshore projects

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

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

What if I have eagles on my list?

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

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability

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

Facilities

National Wildlife Refuge lands

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

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

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

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

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

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

[PEM1/SS3C](#)

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

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

Data limitations

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

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

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

Data exclusions

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

Data precautions

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

seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

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

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

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.

You are still required to determine if your project(s) may have effects on all above listed species.

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?

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Facilities

National Wildlife Refuge lands

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Wetlands in the National Wetlands Inventory (NWI)

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This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

[PEM1/SS3C](#)

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

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

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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

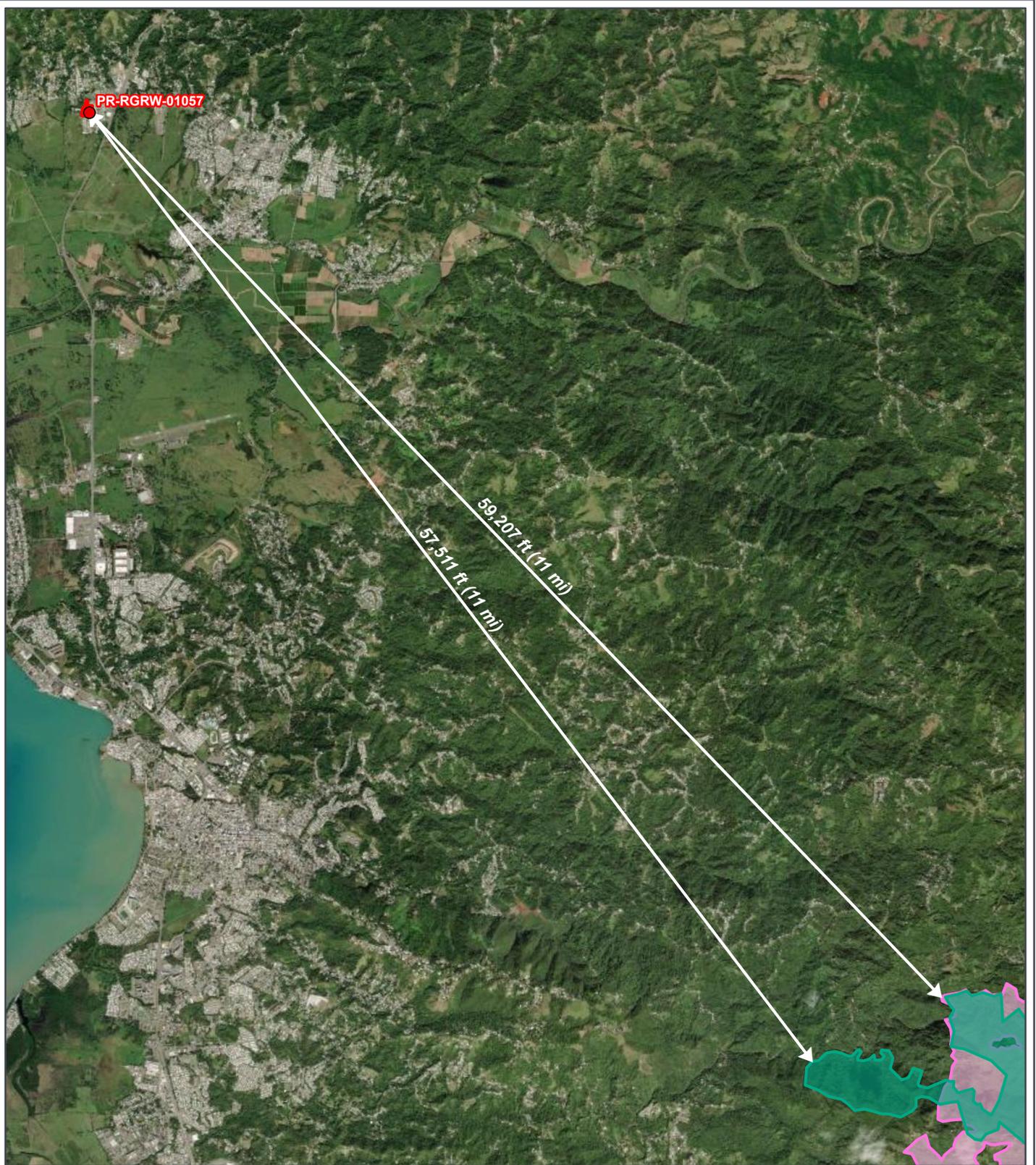
Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and 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



REGROW PROGRAM

**Figure B 7-1:
Critical Habitat Map**

Applicant ID: PR-RGRW-01057

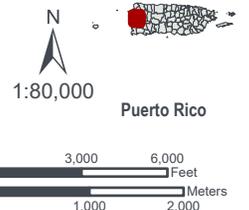


- Site
- Site Parcel
- Buffer (100-ft)
- Critical Habitat - Final
- Critical Habitat - Proposed
- National Wildlife Refuges

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.10181°W 18.234708°N

Data Source: https://services.arcgis.com/QVENGdaPbd4LUkLV/arcgis/rest/services/USFWS_Critical_Habitat/
Base Map: *ESRI ArcGIS Online*,
accessed May 2023
Updated: 5/26/2023
Layout: Critical Habitat
Aprx: 72428_ReGrowTier2Maps



Attachment 8
Explosive and Flammable Hazards Partner
Worksheet



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Explosive and Flammable Hazards (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities>

- 1. Does the proposed HUD-assisted project include a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?**

No

→ Continue to Question 2.

Yes

Explain:

Click here to enter text.

→ Continue to Question 5.

- 2. Does this project include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion?**

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

Yes → Continue to Question 3.

- 3. Within 1 mile of the project site, are there any current *or planned* stationary aboveground storage containers:**

- Of more than 100-gallon capacity, containing common liquid industrial fuels OR
- Of any capacity, containing hazardous liquids or gases that are not common liquid industrial fuels?

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide all documents used to make your determination.

Yes → Continue to Question 4.

- 4. Is the Separation Distance from the project acceptable based on standards in the Regulation?**

Please visit HUD’s website for information on calculating Acceptable Separation Distance.

Yes

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the “assessed tank.”

No

→ Continue to Question 6.

Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the “assessed tank.”

5. Is the hazardous facility located at an acceptable separation distance from residences and any other facility or area where people may congregate or be present?

Please visit HUD’s website for information on calculating Acceptable Separation Distance.

Yes

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.

No

→ Continue to Question 6.

Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.

6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to make the Separation Distance acceptable, including the timeline for implementation. If negative effects cannot be mitigated, cancel the project at this location.

Note that only licensed professional engineers should design and implement blast barriers. If a barrier will be used or the project will be modified to compensate for an unacceptable separation distance, provide approval from a licensed professional engineer.

[Click here to enter text.](#)

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project includes the purchase and installation of a new greenhouse. The project itself is not the development of a hazardous facility nor will the project increase residential densities. No further evaluation is required. The project is in compliance with explosive and flammable hazard requirements.

Attachment 9
Farmlands Protection Partner Worksheet
and Prime Farmland Map



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Farmlands Protection (CEST and EA) - PARTNER

<https://www.hudexchange.info/environmental-review/farmlands-protection>

1. Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use?

Yes → Continue to Question 2.

No

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

2. Does “important farmland,” including prime farmland, unique farmland, or farmland of statewide or local importance regulated under the Farmland Protection Policy Act, occur on the project site?

You may use the links below to determine important farmland occurs on the project site:

- Utilize USDA Natural Resources Conservation Service’s (NRCS) Web Soil Survey <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>
- Check with your city or county’s planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as non-agricultural does not exempt it from FPPA requirements)
- Contact NRCS at the local USDA service center <http://offices.sc.egov.usda.gov/locator/app?agency=nrcs> or your NRCS state soil scientist http://soils.usda.gov/contact/state_offices/ for assistance

No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

Yes → Continue to Question 3.

3. Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.

- Complete form [AD-1006, “Farmland Conversion Impact Rating”](#) and contact the state soil scientist before sending it to the local NRCS District Conservationist.
- Work with NRCS to minimize the impact of the project on the protected farmland. When you have finished with your analysis, return a copy of form AD-1006 to the USDA-NRCS State Soil Scientist or his/her designee informing them of your determination.

Work with the RE/HUD to determine how the project will proceed. Document the conclusion:

Project will proceed with mitigation.

Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

[Click here to enter text.](#)

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

Project will proceed without mitigation.

Explain why mitigation will not be made here:

[Click here to enter text.](#)

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project site is within prime farmland; however, this project does not include any activities that could potentially convert agricultural land to non-agricultural use. Although the project includes new construction, the project is exempt from review under the Farmland Protection Policy Act (FFPA) as the project is limited to construction of an on-farm structure needed for farm operations. No further review is required. The project is in compliance with the Farmland Protection Policy Act.



REGROW PROGRAM

**Figure B 9-1:
Prime Farmland Map**

Applicant ID: PR-RGRW-01057

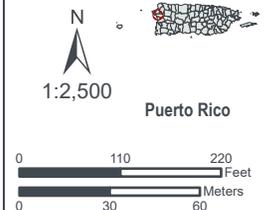


- Site
- Site Parcel
- Project Footprint (Option)
- All areas are prime farmland
- Farmland of statewide importance
- Farmland of statewide importance, if irrigated
- Prime farmland if drained
- Prime farmland if irrigated
- Prime farmland if irrigated and reclaimed of excess salts and sodium
- Prime farmland if protected from flooding or not frequently flooded during the growing season
- Not prime farmland
- Not Public Information

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: <https://websoilsurvey.nrc.usda.gov/app/>
Base Map: ESRI ArcGIS Online,
accessed May 2023
Updated: 5/26/2023
Layout: Prime Farmland
Aprx: 72428_ReGrowTier2Maps



Attachment 10

Floodplain Management Partner Worksheet and Advisory Base Flood Elevation Map



This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Floodplain Management (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/floodplain-management>

1. Does [24 CFR 55.12\(c\)](#) exempt this project from compliance with HUD’s floodplain management regulations in Part 55?

Yes

Provide the applicable citation at 24 CFR 55.12(c) here. If project is exempt under 55.12(c)(6) or (8), provide supporting documentation.

Click here to enter text.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary.

No → Continue to Question 2.

2. Provide a FEMA/FIRM map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The [FEMA Map Service Center](#) provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs).

Does your project occur in a floodplain?

No → Continue to the Worksheet Summary below.

Yes

Select the applicable floodplain using the FEMA map or the best available information:

Floodway → Continue to Question 3, Floodways

Coastal High Hazard Area (V Zone) → Continue to Question 4, Coastal High Hazard Areas

500-year floodplain (B Zone or shaded X Zone) → Continue to Question 5, 500-year Floodplains

100-year floodplain (A Zone) → The 8-Step Process is required. Continue to Question 6, 8-Step Process

3. **Floodways**

Is this a functionally dependent use?

Yes

The 8-Step Process is required. Work with HUD or the RE to assist with the 8-Step Process.
→ *Continue to Worksheet Summary.*

- No → *Federal assistance may not be used at this location unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

4. Coastal High Hazard Area

Is this a critical action such as a hospital, nursing home, fire station, or police station?

- Yes → *Critical actions are prohibited in coastal high hazard areas unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

- No

Does this action include new construction that is not a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster?

- Yes, there is new construction of something that is not a functionally dependent use.
New construction must be designed to FEMA standards for V Zones at 44 CFR 60.3(e) (24 CFR 55.1(c)(3)(i)).

→ *Continue to Question 6, 8-Step Process*

- No, this action concerns only existing construction.

Existing construction must have met FEMA elevation and construction standards for a coastal high hazard area or other standards applicable at the time of construction.

→ *Continue to Question 6, 8-Step Process*

5. 500-year Floodplain

Is this a critical action?

- No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary below.*

- Yes → *Continue to Question 6, 8-Step Process*

6. 8-Step Process.

Is this 8-Step Process required? Select one of the following options:

- 8-Step Process applies.

This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements.

→ *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

- 5-Step Process is applicable per 55.12(a)(1-3).

Provide the applicable citation at 24 CFR 55.12(a) here.

[Click here to enter text.](#)

→ *Work with the RE/HUD to assist with the 5-Step Process. Continue to Worksheet Summary.*

- 8-Step Process is inapplicable per 55.12(b)(1-4).

Provide the applicable citation at 24 CFR 55.12(b) here.

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

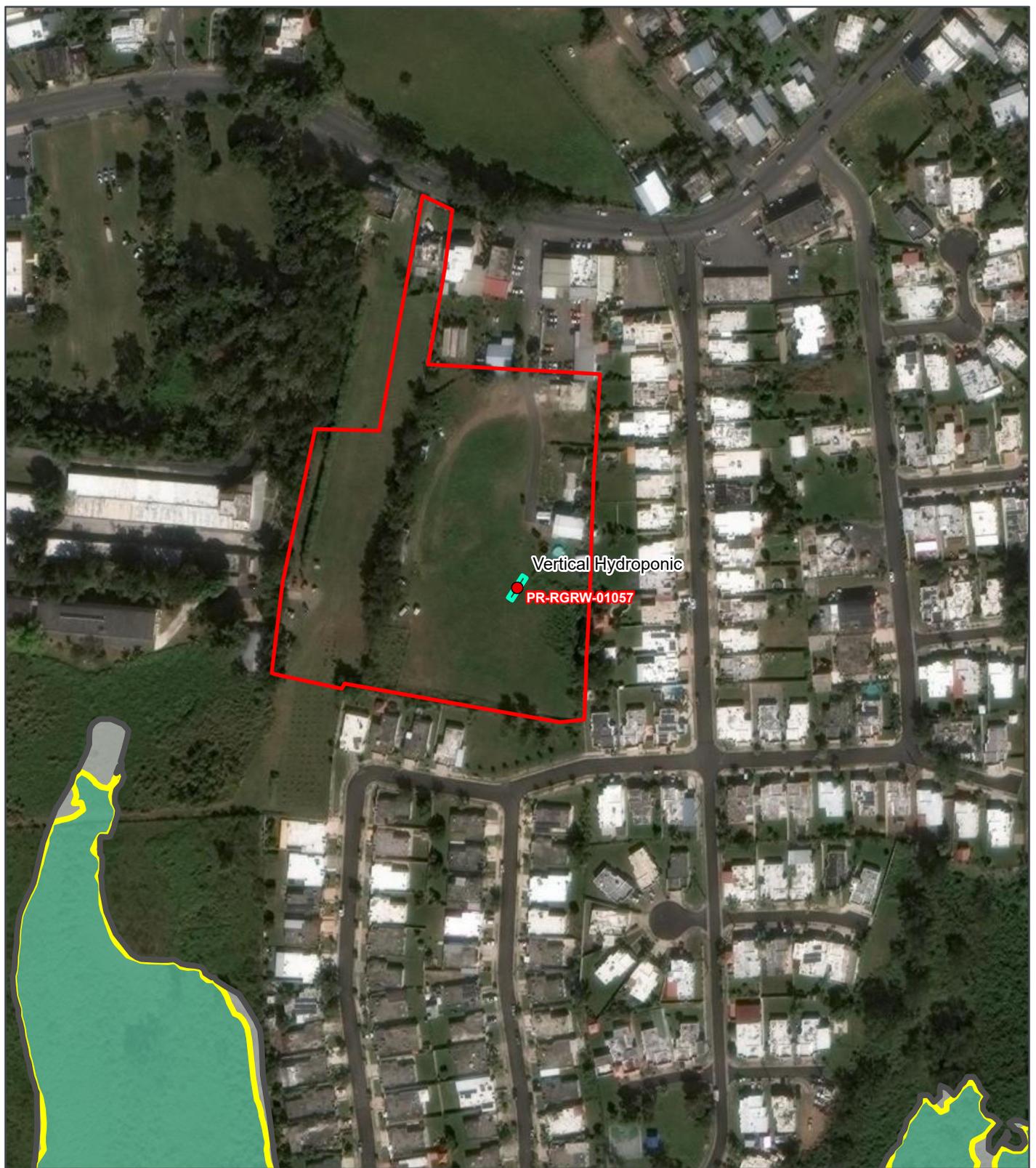
Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

A review of the Advisory Base Flood Elevation (ABFE) map, Community Panel 72000C0520J (effective date 11/18/2009), shows the project site is in Flood Zone X. The project is not located in the 100-year floodplain or ABFE special flood hazard area; therefore, no further action is required. The project is in compliance with Executive Order 11988.



REGROW PROGRAM

**Figure B 10-1:
Advisory Base Flood
Elevation For 100-Year
Floodplain Map**

Applicant ID: PR-RGRW-01057



- Site
- Site Parcel
- Project Footprint (Option)
- Advisory Base Flood Elevation (ABFE)
- 0.2% Annual Chance Flood
- 1% Annual Chance Flood
- Zone A
- Zone A-Floodway
- Zone AE
- Coastal A Zone
- Coastal A Zone and Floodway
- Zone AE-Floodway
- Zone AO
- Zone VE
- Zone X (500-year floodplain)
- Zone/BFE Boundary

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: https://gis.fema.gov/arcgis/rest/services/DR/PuertoRico_ABFE_1PCT/MapServer

Base Map: ESRI ArcGIS Online,
accessed May 2023
Updated: 5/26/2023
Layout: ABFE 1Pct
Aprx: 72428_ReGrowTier2Maps



Attachment 11

**Historic Preservation Partner Worksheet,
SHPO Consultation, Historic Property Map,
and Cultural Resources Map**



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Historic Preservation (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/historic-preservation>

Threshold

Is Section 106 review required for your project?

- No, because a Programmatic Agreement states that all activities included in this project are exempt. (See the [PA Database](#) to find applicable PAs.)

Either provide the PA itself or a link to it here. Mark the applicable exemptions or include the text here:

Click here to enter text.

→ *Continue to the Worksheet Summary.*

- No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].

Either provide the memo itself or a link to it here. Explain and justify the other determination here:

Click here to enter text.

→ *Continue to the Worksheet Summary.*

- Yes, because the project includes activities with potential to cause effects (direct or indirect). → *Continue to Step 1.*

The Section 106 Process

After determining the need to do a Section 106 review, HUD or the RE will initiate consultation with regulatory and other interested parties, identify and evaluate historic properties, assess effects of the project on properties listed on or eligible for the National Register of Historic Places, and resolve any adverse effects through project design modifications or mitigation.

Step 1: Initiate consultation

Step 2: Identify and evaluate historic properties

Step 3: Assess effects of the project on historic properties

Step 4: Resolve any adverse effects

Only RE or HUD staff may initiate the Section 106 consultation process. Partner entities may gather information, including from SHPO records, identify and evaluate historic properties, and make initial assessments of effects of the project on properties listed in or eligible for the National Register of Historic Place. Partners should then provide their RE or HUD with all of their analysis and documentation so that they may initiate consultation.

Step 1 - Initiate Consultation

The following parties are entitled to participate in Section 106 reviews: Advisory Council on Historic Preservation; State Historic Preservation Officers (SHPOs); federally recognized Indian tribes/Tribal Historic Preservation Officers (THPOs); Native Hawaiian Organizations (NHOs); local governments; and project grantees. The general public and individuals and organizations with a demonstrated interest in a project may participate as consulting parties at the discretion of the RE or HUD official. Participation varies with the nature and scope of a project. Refer to HUD's website for guidance on consultation, including the required timeframes for response. Consultation should begin early to enable full consideration of preservation options.

Use the [When To Consult With Tribes checklist](#) within [Notice CPD-12-006: Process for Tribal Consultation](#) to determine if the RE or HUD should invite tribes to consult on a particular project. Use the [Tribal Directory Assessment Tool \(TDAT\)](#) to identify tribes that may have an interest in the area where the project is located. Note that only HUD or the RE may initiate consultation with Tribes. Partner entities may prepare a draft letter for the RE or HUD to use to initiate consultation with tribes, but may not send the letter themselves.

List all organizations and individuals that you believe may have an interest in the project here:

SHPO, PRDOH, Applicant

→ *Continue to Step 2.*

Step 2 - Identify and Evaluate Historic Properties

Provide a preliminary definition of the Area of Potential Effect (APE), either by entering the address(es) or providing a map depicting the APE. Attach an additional page if necessary.

The project is located on a 5.18-acre parcel (Parcel Number 154-000-003-67-998) at Bo. Caracol Carretera 402 Kilómetro 4.1, Añaaco, Puerto Rico, 00610. The applicant has identified one location for project activities related to the Intended Use of Grant Funds that is evaluated under this Environmental Assessment (EA), also shown on Figures 1 and 2:

- Greenhouse (18.297495, -67.161242) is in the southwestern portion of the parcel.

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is comprised of all activity footprints plus a 15-meter horizontal buffer at each to allow for some variation in final placement during construction. The visual APE is the viewshed of the proposed project.

See SHPO consultation package for more information.

Gather information about known historic properties in the APE. Historic buildings, districts and archeological sites may have been identified in local, state, and national surveys and registers, local historic districts, municipal plans, town and county histories, and local history websites. If not already listed on the National Register of Historic Places, identified properties are then evaluated to see if they are eligible for the National Register. Refer to HUD's website for guidance on identifying and evaluating historic properties.

In the space below, list historic properties identified and evaluated in the APE.

Every historic property that may be affected by the project should be listed. For each historic property or district, include the National Register status, whether the SHPO has concurred with the finding, and whether information on the site is sensitive. Attach an additional page if necessary.

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 archaeologist meeting the Secretary of the Interior’s Professional Qualification Standards (36 CFR Part 61) who searched the records at the SHPO and the Instituto de Cultura Puertorriqueña which shows that there is one archaeological site located 2,355 feet (.45 mile [mi]) to the southeast of the project area. This site consists of one (1) feature and is pending evaluation for the NRHP. The associated survey report (SHPO#01-23-87-01 and SHPO#05-10-95-10, associated with ICP-CAT-AÑ-00-05-03) recommended that if archaeological material were recovered, notification must be made, and all work must stop. A total of 18 previous investigations have been conducted within 0.5 mi of the APE; the majority of these are described below. No significant cultural properties or archaeological materials were found.

The proposed project is in a suburban area of Añasco, directly to the west of Marias, in the transition zone from the mountainous area to the western coastal plain, at an elevation of about 200 ft (61 meters [m]) above mean sea level (amsl). The area is mountainous with dense tropical vegetation. The project site sits on the side of a broad ridge, with modern construction encircling the property. Per the USGS/NRCS Web Soil Survey, the project area, crosses just one mapped soil series: LaB2, Lares Clay, 0 to 5 percent slopes, eroded. The APE crosses the former as well as one additional mapped soil series: Ba, Bajura Clay, 0 to 2 percent slopes, frequently flooded. As per the USGS water data files, the closest freshwater source is an emergent wetland located 63 ft (19.2 m) due east of the proposed project area. The closest stream is an unnamed tributary located 1,321 ft (402.6 m) to the east. The west coast is approximately 2.32 mi (3.73 kilometers [km]) from the project area.

Architecture – Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior’s Professional Qualification Standards (36 CFR Part 61) shows that the project area is not within the boundaries of the National Register of Historic Places (NRHP)-eligible or listed Traditional Urban Center or Historic District. There are no historic properties within a half-mile of the property site.

Determinations of No Historic Properties Affected were returned for all the following studies. The closest survey is ICP-CAT-AÑ-87-01-05 for an alignment of PR-109 and ICP-CAT-AÑ-87-01-04 for a widening of PR-2 between Aguadilla (PR-111) and Añasco (PR-109). These surveys recommend further study of the significance of the Añasco train station, the Añasco Cemetery, and various historic houses along the route, none of which are in the project APE. Código #06-22-98-07 was a survey for the extension of a sanitary sewer to the northwest part of Añasco. Bricks were found close to Hacienda Eugenia, but no pre-Columbian artifacts were found, and no further study was recommended. Another survey was performed in 2003 for ICP-CAT-AÑ-00-05-03, SHPO#01-23-87-01, and in 2000 for SHPO#05-10-95-01 for the relocation of PR-109. No further study was recommended. A survey for the development of 118 plots of land (ICP-CAT-AÑ-00-05-06) was performed and no further study was recommended. Survey number ICP-CAT-AÑ-05-07-03 was performed north of the project site for improvements to the water system in the Añasco region. Brick fragments, a brick floor and remnants of a structure were recorded. The report recommended proceeding with the project but re-routing the project away from Hacienda Eugenia. A survey for report number ICP-CAT-AÑ-12-10-01 was performed for a solar energy project southwest of

the project site. The report recommended moving forward with the project. Código 03-21-14-02 was performed 0.30 mi from the project site for the revitalization of the Añasco urban center for structures bus stops and shelters in 2014, for a project funded by the Federal Highway Administration. Código 06-09-14-01 was performed 0.32 mi to the northwest of the property in 2014, for a housing rehabilitation program funded by HUD. Código 10-24-13-04 was performed 0.40 mi northwest of the project site. The survey was funded by HUD in 2013 for the rehabilitation of low to moderate income houses. A survey for Código 12-14-15-01 was performed in 2016, 0.50 mi to the northeast of the project site. The survey was for the construction of school buildings and the PR Planning Board was the agency.

The project area is in a suburban area of Añasco, directly to the west of Marias. The area is mountainous with dense tropical vegetation. The project site sits on the side of a broad ridge, with modern construction encircling the property. Buildings to the northeast, along the southern end of Ent Pepe Prat are on the 1958 (<https://www.historicaerials.com/viewer>) historic aerial, and aerials from 1975 show housing units to the north and northeast only. Buildings begin to show on historic aerials along Highway 402 around the early 1990s (<https://www.googleearth.com>). None of these properties will be in direct visual sight to the project area. The project site holds five buildings: a house at the north end of the property, a garage, an abandoned house, a two-story owner's house, and an auto shop. The house at the north end of the property does not show up on the 1975 historic aerial but does show up in a 1985 aerial from Google Earth. The auto shop and the two-story house show up on historic aerials from Google Earth for the first time in 2010. The abandoned house shows up for the first time in 2006, and the garage shows up for the first time in 2005. The applicant provided a date of construction for the buildings as 2010, which appears consistent with the form and construction materials used. As the project site sits on a hill side, the housing to the north and northeast will not see the project area. Houses to the south and east were not constructed until the late 1990s and early 2000s and will not see the site due to dense vegetation and the elevation of the site.

Provide the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination.

Was a survey of historic buildings and/or archeological sites done as part of the project?

If the APE contains previously unsurveyed buildings or structures over 50 years old, or there is a likely presence of previously unsurveyed archeological sites, a survey may be necessary. For Archeological surveys, refer to HP Fact Sheet #6, [Guidance on Archeological Investigations in HUD Projects](#).

Yes → *Provide survey(s) and report(s) and continue to Step 3.*

Additional notes:

[Click here to enter text.](#)

No → *Continue to Step 3.*

Step 3 - Assess Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. ([36 CFR 800.5](#)) Consider direct and indirect effects as applicable as per HUD guidance.

Choose one of the findings below to recommend to the RE or HUD.

Please note: this is a recommendation only. It is **not** the official finding, which will be made by the RE or HUD, but only your suggestion as a Partner entity.

No Historic Properties Affected

Document reason for finding:

- No historic properties present.
 Historic properties present, but project will have no effect upon them.

No Adverse Effect

Document reason for finding and provide any comments below.

Comments may include recommendations for mitigation, monitoring, a plan for unanticipated discoveries, etc.

[Click here to enter text.](#)

Adverse Effect

Document reason for finding:

Copy and paste applicable Criteria into text box with summary and justification.

Criteria of Adverse Effect: [36 CFR 800.5](#)

[Click here to enter text.](#)

Provide any comments below:

Comments may include recommendations for avoidance, minimization, and/or mitigation.

No National Historic Landmark (NHL) are within or near the project area.

A site visit was conducted on May 15, 2023, by an SOI-qualified Archaeologist. Additionally, record reviews and research were conducted at the SHPO and the Institute for Puerto Rican Culture (ICP) to determine if any archaeologically sensitive resources could be present within a 0.5-mile radius.

The results of the record search and the site inspection indicate that there is one archaeological site located 0.45 mile to the southeast of the project area and no historic properties within the 0.50-mile radius study area or within the project Area of Potential Effect (APE). Based on the results of the historic property identification efforts, the Program has determined that project actions will not affect historic properties that compose the APE.

The determination was submitted to SHPO by PRDOH for concurrence on June 27, 2023, and SHPO concurred with the No Historic Properties Affected determination on June 30, 2023. The project is in compliance with the National Historic Preservation Act.

Remember to provide all documentation that justifies your National Register Status determination and recommendations along with this worksheet.



GOVERNMENT OF PUERTO RICO

STATE HISTORIC PRESERVATION OFFICE

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

June 30, 2023

Lauren Bair Poche

HORNE

10000 Perkins Rowe, Suite 610, Bldg G

Baton Rouge, LA 70810

SHPO 06-27-23-03 SECTION 106 NHPA EFFECT DETERMINATION SUBMITTAL:
PR-RGRW-01057- TERRA FARM, LLC – BO. CARACOL CARRETERA 402
KILÓMETRO 4.1, AÑASCO, PUERTO RICO

Dear Ms. Bair,

Our Office has received and reviewed the above referenced project in accordance with 54 U.S.C. 306108 (commonly known as Section 106 of the *National Historic Preservation Act*) and 36 CFR Part 800: *Protection of Historic Properties*.

Our records support your finding of **no historic properties affected** for this undertaking.

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

Sincerely,

Carlos A. Rubio-Cancela

State Historic Preservation Officer

CARC/GMO/MB



June 27, 2023

Carlos A. Rubio Cancela
State Historic Preservation Officer
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

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

Section 106 NHPA Effect Determination Submittal: PR-RGRW-01057- Terra Farm, LLC – Bo. Caracol Carretera 402 Kilómetro 4.1, Añasco, 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 Terra Farm, LLC at the property located in Bo. Caracol at Carretera 402 Kilómetro 4.1 in the municipality of Añasco. The proposed activities for this case consists of the purchase and installation of a vertical harvest module greenhouse, the installation of a cistern on the roof of the container, and the installation of a new PREPA electrical pole with an underground transformer with associated underground cables and aboveground meter. Based on the submitted documentation, the Program requests a concurrence that a finding of no historic properties affected is appropriate for this proposed project.

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

Kindest regards,



Lauren Bair Poche, M.A.

Architectural Historian, Historic Preservation Senior Manager
Attachments

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		
Applicant: Terra Farm, LLC		
Case ID: PR-RGRW-01057	City: Añasco	

Project Location: Bo. Caracol Carretera 402 Kilómetro 4.1, Añasco, Puerto Rico, 00610	
Project Coordinates (as provided by the applicant during field visit): Greenhouse centerpoint: 18.297495, -67.161242	
TPID (Número de Catastro): 154-000-003-67-998	
Type of Undertaking: <input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): Owners House: ca. 2010, abandoned relative's house: ca. 2006, garage ca. 2005, auto shop ca. 2010, house at north end of the property: ca. 1980	Property Size (acres): Total Parcel: 5.18 acres Greenhouse: 320 sq. feet (0.007346 acres)

SOI-Qualified Architect/Architectural Historian: Erin Edwards
Date Reviewed: June 2, 2023
SOI-Qualified Archaeologist: Delise Torres-Ortiz and Rob Lackowicz
Date Reviewed: June 12, 2023

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

Project Description (Undertaking)

The proposed activities for PR-RGR-1057 include the purchase and installation of a controlled environment vertical harvest module greenhouse. The greenhouse will be installed in the southeastern portion of the parcel, approximately 80 feet (ft) south of the existing access road. The new greenhouse will consist of a freight container that is approximately 320 square feet (sq. ft) in size (40 ft by 8 ft) with a total height of approximately 9.5 ft. The greenhouse will be secured on four (4) concrete blocks approximately 15 sq. ft in size (5 ft by 3 ft) with a height of 3 ft. The greenhouse will be fastened to the concrete blocks using four (4) lashing straps, one (1) lashing strap for each block. The purchase of the concrete blocks is not included in the applicant's Intended Use of Grant Funds application.

Water to irrigate the greenhouse will be provided from an aqueduct connected to an on-site structure located approximately 80 ft northeast of the project site. All irrigation piping and connections to the greenhouse will be aboveground. Additionally, 250-gallon cistern(s) will be installed on the roof of the freight container to collect rainwater as a supplemental

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Terra Farm, LLC	
Case ID: PR-RGRW-01057	City: Añasco

water source for irrigation. The purchase of cistern(s) is not included in the applicant's Intended Use of Grant Funds application.

The applicant is coordinating with the Puerto Rico Electric Power Authority (PREPA) to increase electrical capacity on the property and provide electricity directly to the greenhouse. PREPA will install a new electrical pole, an underground transformer, and an aboveground meter. The electrical pole will be approximately 18 ft in height and extend 2 to 3 ft into the ground. The pole will be secured to a concrete base approximately 2.25 sq. ft in size (1.5 ft by 1.5 ft) extending 2 to 4 ft into the ground. The underground transformer component will be approximately 11 cubic ft and will be installed 3 to 4 ft below ground. The aboveground electrical meter will be installed on a pedestal approximately 2 to 4 sq. ft in size. Underground cables will be installed to the electricity pole and the transformer. Electrical connections directly to the greenhouse will be aboveground cables. The exact locations of the new electrical pole, underground transformer, above ground meter, and underground cables are currently unknown and will be determined by PREPA prior to installation. All construction and installation must be approved by the Autoridad de Energía Eléctrica (AEE). The installation of utility infrastructure is not included in the applicant's Intended Use of Grant Funds application.

The project will have some ground disturbance as well as vegetation clearing and pruning, but no tree clearing is required for construction. The applicant owns the property; therefore, no acquisition is required.

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is the location of the concrete base plus a 15-meter horizontal buffer to allow for some variation in placement during construction and 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 archaeologist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61) who searched the

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REgROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 <small>GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING</small>
Applicant: Terra Farm, LLC	
Case ID: PR-RGRW-01057	City: Añasco

records at the SHPO and the Instituto de Cultura Puertorriqueña which shows that there is one archaeological site located 2,355 feet (.45 mile [mi]) to the southeast of the project area. This site consists of one (1) feature and is pending evaluation for the NRHP. The associated survey report (SHPO#01-23-87-01 and SHPO#05-10-95-10, associated with ICP-CAT-AÑ-00-05-03) recommended that if archaeological material were recovered, notification must be made, and all work must stop. A total of 18 previous investigations have been conducted within 0.5 mi of the APE; the majority of these are described below. No significant cultural properties or archaeological materials were found.

The proposed project is in a suburban area of Añasco, directly to the west of Marias, in the transition zone from the mountainous area to the western coastal plain, at an elevation of about 200 ft (61 meters [m]) above mean sea level (amsl). The area is mountainous with dense tropical vegetation. The project site sits on the side of a broad ridge, with modern construction encircling the property. Per the USGS/NRCS Web Soil Survey, the project area, crosses just one mapped soil series: LaB2, Lares Clay, 0 to 5 percent slopes, eroded. The APE crosses the former as well as one additional mapped soil series: Ba, Bajura Clay, 0 to 2 percent slopes, frequently flooded. As per the USGS water data files, the closest freshwater source is an emergent wetland located 63 ft (19.2 m) due east of the proposed project area. The closest stream is an unnamed tributary located 1,321 ft (402.6 m) to the east. The west coast is approximately 2.32 mi (3.73 kilometers [km]) from the project area.

Identification of Historic Properties - Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61 shows that the project area is not within the boundaries of the National Register of Historic Places (NRHP)-eligible or listed Traditional Urban Center or Historic District. There are no historic properties within a half-mile of the property site.

Determinations of No Historic Properties Affected were returned for all the following studies. The closest survey is ICP-CAT-AÑ-87-01-05 for an alignment of PR-109 and ICP-CAT-AÑ-87-01-04 for a widening of PR-2 between Aguadilla (PR-111) and Añasco (PR-109). These surveys recommend further study of the significance of the Añasco train station, the Añasco Cemetery, and various historic houses along the route, none of which are in the project APE. Código #06-22-98-07 was a survey for the extension of a sanitary sewer to the northwest

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Terra Farm, LLC	
Case ID: PR-RGRW-01057	City: Añasco

part of Añasco. Bricks were found close to Hacienda Eugenia, but no pre-Columbian artifacts were found, and no further study was recommended. Another survey was performed in 2003 for ICP-CAT-AÑ-00-05-03, SHPO#01-23-87-01, and in 2000 for SHPO#05-10-95-01 for the relocation of PR-109. No further study was recommended. A survey for the development of 118 plots of land (ICP-CAT-AÑ-00-05-06) was performed and no further study was recommended. Survey number ICP-CAT-AÑ-05-07-03 was performed north of the project site for improvements to the water system in the Añasco region. Brick fragments, a brick floor and remnants of a structure were recorded. The report recommended proceeding with the project but re-routing the project away from Hacienda Eugenia. A survey for report number ICP-CAT-AÑ-12-10-01 was performed for a solar energy project southwest of the project site. The report recommended moving forward with the project. Código 03-21-14-02 was performed 0.30 mi from the project site for the revitalization of the Añasco urban center for structures bus stops and shelters in 2014, for a project funded by the Federal Highway Administration. Código 06-09-14-01 was performed 0.32 mi to the northwest of the property in 2014, for a housing rehabilitation program funded by HUD. Código 10-24-13-04 was performed 0.40 mi northwest of the project site. The survey was funded by HUD in 2013 for the rehabilitation of low to moderate income houses. A survey for Código 12-14-15-01 was performed in 2016, 0.50 mi to the northeast of the project site. The survey was for the construction of school buildings and the PR Planning Board was the agency.

The project area is in a suburban area of Añasco, directly to the west of Marias. The area is mountainous with dense tropical vegetation. The project site sits on the side of a broad ridge, with modern construction encircling the property. Buildings to the northeast, along the southern end of Ent Pepe Prat are on the 1958 (<https://www.historicaerials.com/viewer>) historic aerial, and aerials from 1975 show housing units to the north and northeast only. Buildings begin to show on historic aerials along Highway 402 around the early 1990s (<https://www.googleearth.com>). None of these properties will be in direct visual sight to the project area. The project site holds five buildings: a house at the north end of the property, a garage, an abandoned house, a two-story owner's house, and an auto shop. The house at the north end of the property does not show up on the 1975 historic aerial but does show up in a 1985 aerial from Google Earth. The auto shop and the two-story house show up on historic aerials from Google Earth for the first time in 2010. The abandoned house shows up for the first time in 2006, and the garage shows up for the first time in 2005. The applicant provided a date of construction for the buildings as 2010, which appears consistent with the form and construction materials used. As the project site sits on a hill side, the housing to the north and northeast will not see the project area. Houses to the south and east were not

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGrow PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Terra Farm, LLC	
Case ID: PR-RGRW-01057	City: Añasco

constructed until the late 1990s and early 2000s and will not see the site due to dense vegetation and the elevation of the site.

Determination

The following historic properties have been identified within the APE:

- Direct Effect:
 - None
- Indirect Effect:
 - None

Based on the results of our historic property identification efforts, the Program has determined that project actions will not affect historic properties that compose the Area of Potential Effect. The project area is not within or adjacent to the boundaries of a National Register of Historic Places (NRHP)-eligible or listed historic district or Traditional Urban Center. No significant cultural properties or archaeological materials were found within a half-mile radius of the proposed project location. No known archaeological sites or NRHP listed/eligible historic properties are within or adjacent to the property or the parcel in which the Area of Potential Effect of case PR-RGRW-01057 is located. Although the closest freshwater body is relatively close 63 ft (19.2 m) to the east), the size of the proposed project activities are small (0.007 acres) and the urban setting of the proposed project area, including construction of private roads, residential structures and agricultural infrastructure, have impacted the surrounding terrain. Therefore, no impact to cultural properties is anticipated for this construction.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	
Applicant: Terra Farm, LLC	
Case ID: PR-RGRW-01057	City: Añasco

Recommendation (Please keep on same page as SHPO Staff Section)

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

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

This Section is to be Completed by SHPO Staff Only

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

Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

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



REGROW PROGRAM

**Project Location
Area of Potential
Effects (APE) Map**

Applicant ID: PR-RGRW-01057



- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)
- ▭ APE (Buffer (15-meters))

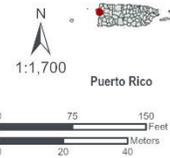
Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998

Parcel Center:
67.161242°W 18.297495°N

Base Map: ESRI ArcGIS Online,
accessed May 2023
Updated: 5/30/2023

Layout: APE
Aprx: 72428_ReGrowTier2Maps



Project (Parcel) Location - Aerial Map



REGROW PROGRAM

Figure A-2:
Site Vicinity

Applicant ID: PR-RGRW-01057



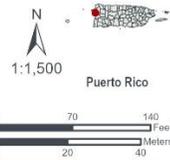
- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161596°W 18.298027°N

Base Map: ESRI ArcGIS Online
accessed May 2023
Updated: 5/26/2023

Layout: Site Vicinity
Aprx: 72428_ReGrowTier2Maps

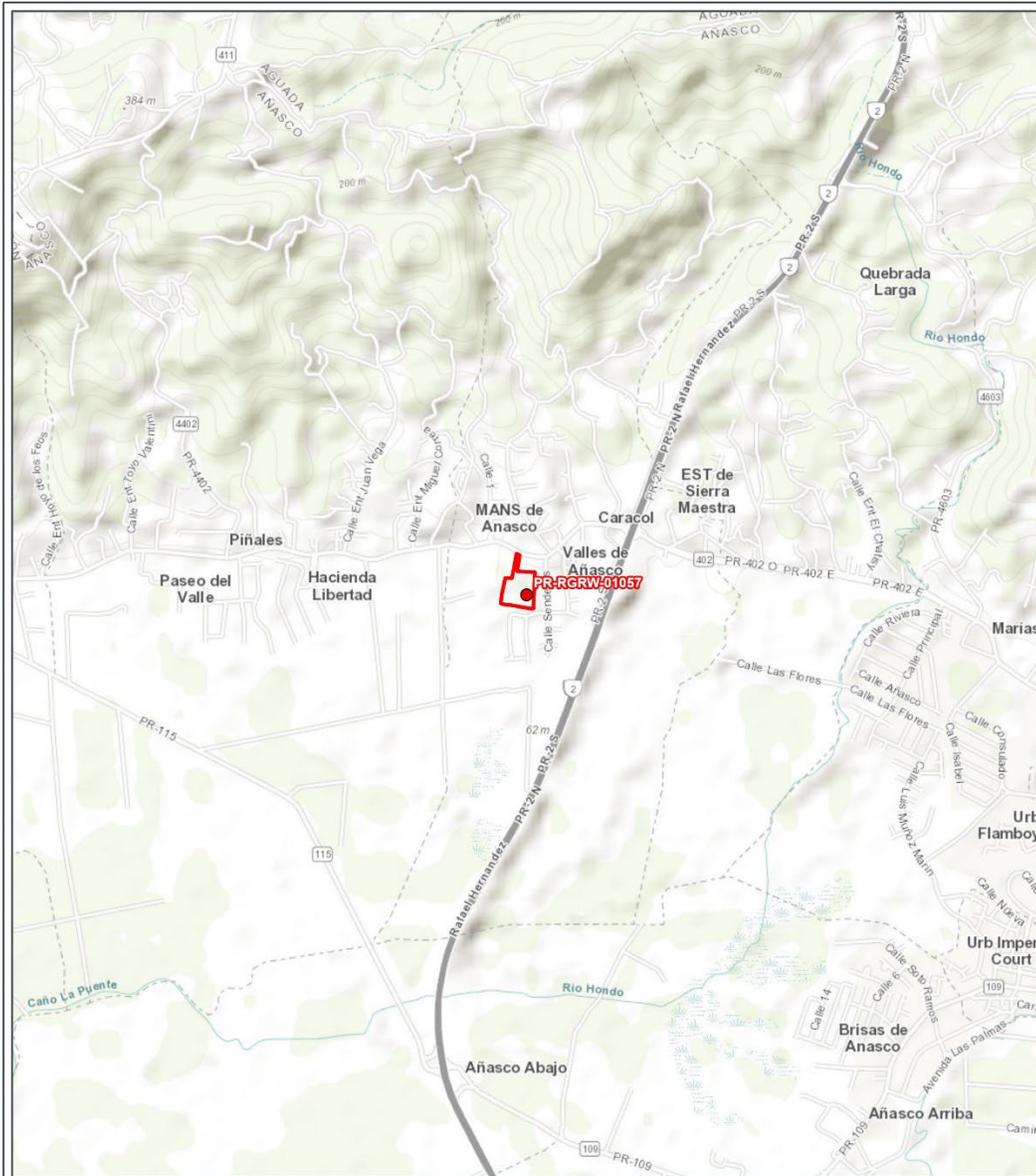


Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

Project (Parcel) Location - USGS Topographic Map



REGROW PROGRAM

**Figure A-1:
Site Location**

Applicant ID: PR-RGRW-01057

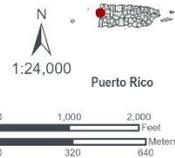


- Site
- Site Parcel

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Base Map: ESRI ArcGIS Online
accessed May 2023
Updated: 5/26/2023
Layout: Site Location
Aprx: 72428_RegrowTier2Maps



Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

Project (Parcel) Location – Soils Map



REGROW PROGRAM

USDA Soils Map

Applicant ID: PR-RGRW-01057



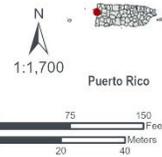
- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)
- ▭ Soil Mapunit

Bo. Caracal Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998

Parcel Center:
67.161242°W 18.297495°N

Data Source: <https://websoilsurvey.nrcs.usda.gov/app/>
Base Map: ESRI ArcGIS Online, accessed May 2023
Updated: 5/28/2023
Layout: Soils
Aprx: 72428_ReGrowTier2Maps

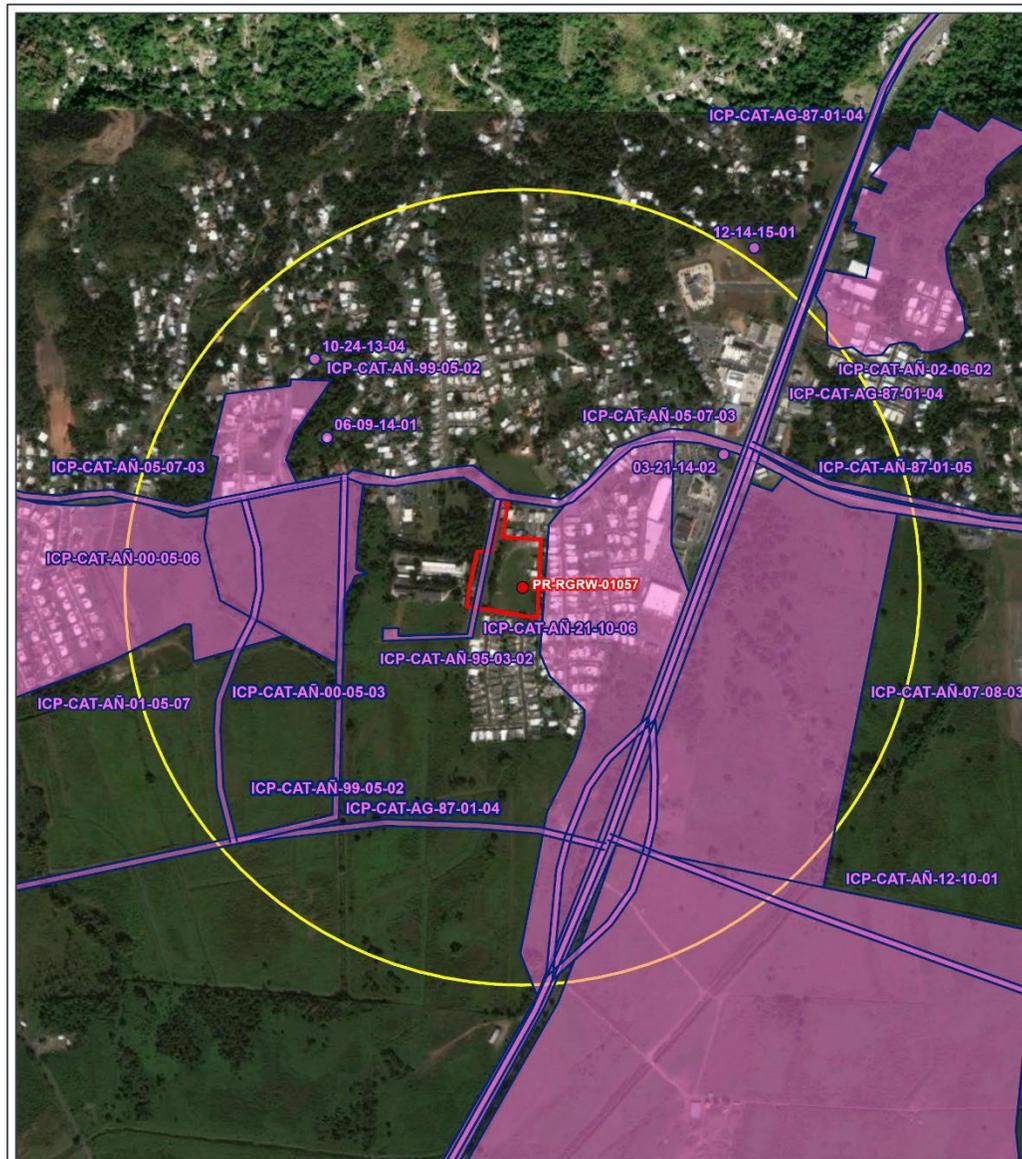


Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

Project (Parcel) Location with Previous Investigations - Aerial Map



REGROW PROGRAM

Previous Investigation Map

Applicant ID: PR-RGRW-01057



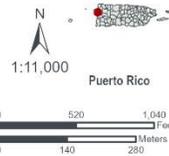
- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)
- Buffer (0.5-mile)
- ▭ Previously Recorded Survey
- ▭ MIPR Arqueologia
- ▭ Traditional Urban Centers

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

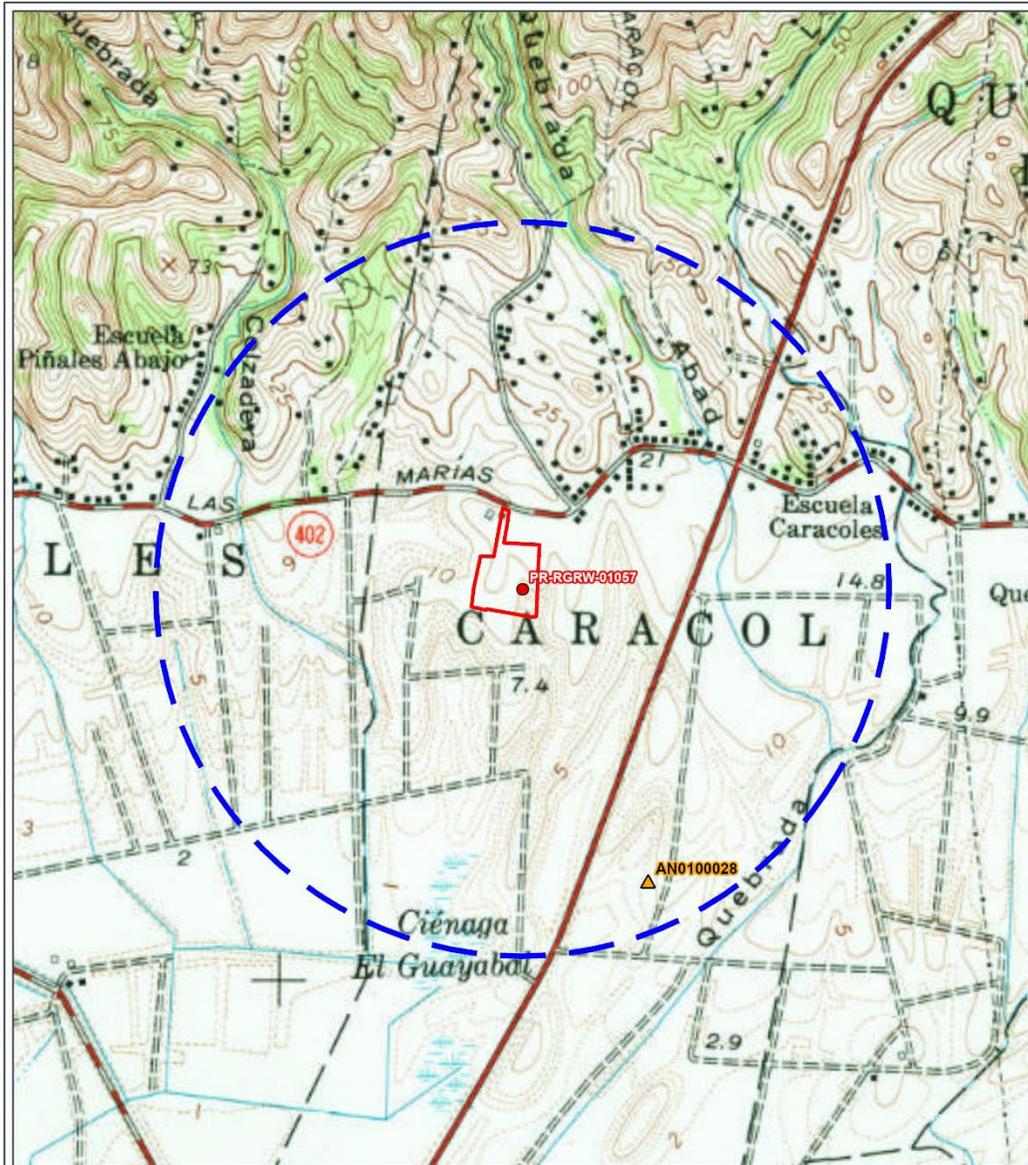
Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: State Historic
Preservation Office and Puerto Rico
Institute of Culture

Base Map: ESRI ArcGIS Online,
accessed May 2023
Updated: 5/31/2023
Layout: Previous Investigation
Aprt: 72428_ReGrowTier2Maps



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



REGROW PROGRAM

**Figure B 11-1:
Previously Recorded
Cultural Resources
Map**

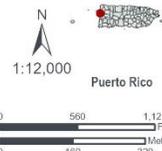
Applicant ID: PR-RGRW-01057



- | | | |
|--|--|-----------------------------|
| ● Site | ● National Historic Landmark | ■ Manati Historic Zone |
| □ Site Parcel | ■ National Register of Historic Places | ■ Miramar Historic Zone |
| ■ Buffer (0.5-mile) | ■ Historic Community | ■ Ponce Historic Zone |
| ▲ Archaeological Site | ■ Historic District | ■ San German Historic Zone |
| ■ Historical Place | ■ Arroyo Historic Zone | ■ San Juan Historic Zone |
| ★ Historic Area Point | ■ Caguas Historic Zone | ■ Vega Baja Historic Zone |
| ★ JP Historical Sites | ■ Coamo Historic Zone | ■ Traditional Urban Centers |
| ● National Register of Historic Places | ■ Guayama Historic Zone | |

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610
Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: State Historic Preservation Office and Puerto Rico Institute of Culture
Base Map: ESRI ArcGIS Online, accessed May 2023
Updated: 5/31/2023
Layout: Cultural Resources
Aprx: 72428_ReGrowTier2Maps



Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

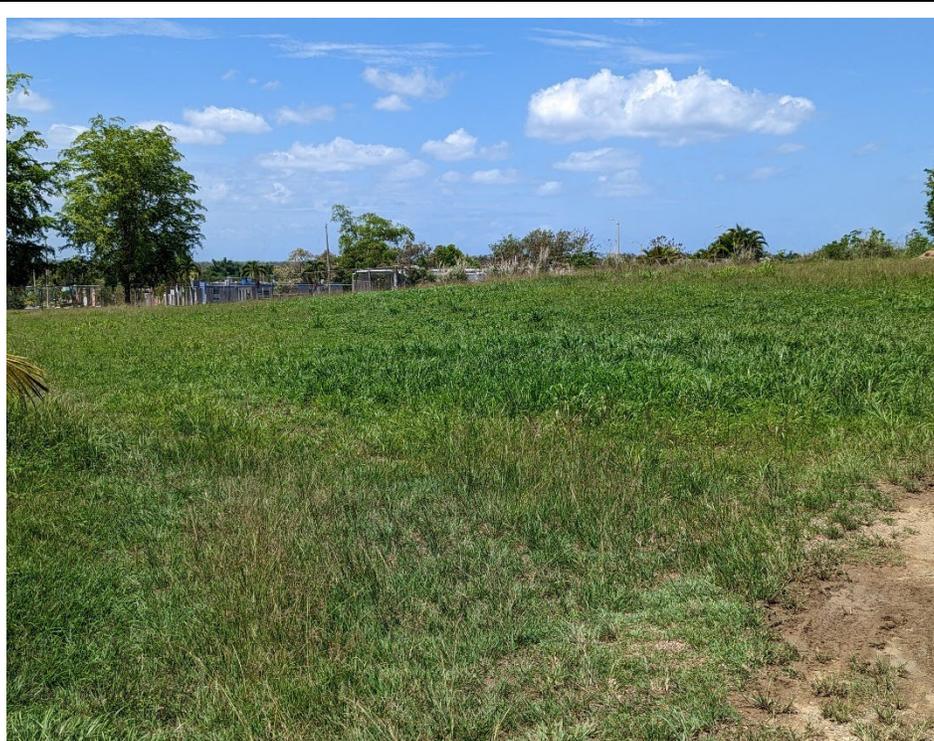
Photograph Key



Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

<p>Photo #: 01</p>	<p>Date: 05/15/ 2023</p>	
<p>Photo Direction: Southeast</p>		
<p>Description: Overview of site location for installation of 40 ft x8 ft vertical hydroponic greenhouse. Depicts vegetation and partial view of housing development (east).</p>		
<p>Photo #: 02</p>	<p>Date: 05/15/ 2023</p>	
<p>Photo Direction: Southwest</p>		
<p>Description: Overview of the site location for vertical hydroponic greenhouse taken from the northeast corner. Depicts ground vegetation, partial view of the residential development to the south, and partial view of the access road.</p>		

Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

<p>Photo #: 03</p>	<p>Date: 05/15/ 2023</p>	
<p>Photo Direction: Northwest</p>		
<p>Description: Overview of site location for vertical hydroponic greenhouse taken from the southeast corner. Depicts ground vegetation and auto shop; constructed ca. 2010, per Google Earth Imagery.</p>		

<p>Photo #: 04</p>	<p>Date: 05/15/ 2023</p>	
<p>Photo Direction: West</p>		
<p>Description: Overview of the auto shop. The structure is also used for horses. Constructed ca. 2010, per Google Earth Imagery.</p>		

Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

<p>Photo #: 05</p>	<p>Date: 05/15/ 2023</p>	
<p>Photo Direction: Northeast</p>		
<p>Description: Overview of site location for vertical hydroponic greenhouse taken from the southwest corner. Depicts ground vegetation and the different residences of family members.</p>		

<p>Photo #: 06</p>	<p>Date: 05/15/ 2023</p>	
<p>Photo Direction: East</p>		
<p>Description: Overview of the applicant's residence. This residence is the closest to the proposed greenhouse location with the potable water source – constructed ca. 2010, per Google Earth Imagery.</p>		

Applicant: Terra Farm, LLC

Case ID: PR-RGRW-01057

City: Añasco

<p>Photo #: 07</p>	<p>Date: 05/15/ 2023</p>	
<p>Photo Direction: East</p>		
<p>Description: One of the structures inside the property where the project will be located. Residence is abandoned – constructed ca. 2006, per Google Earth Imagery.</p>		

<p>Photo #: 08</p>	<p>Date: 05/15/ 2023</p>	
<p>Photo Direction: Northeast</p>		
<p>Description: One of the structures the located on the property, currently used as a garage; is closest to property entrance – constructed ca. 2005, per Google Earth Imagery.</p>		



October 20, 2022

Arch. Carlos A. Rubio Cancela

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

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

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

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

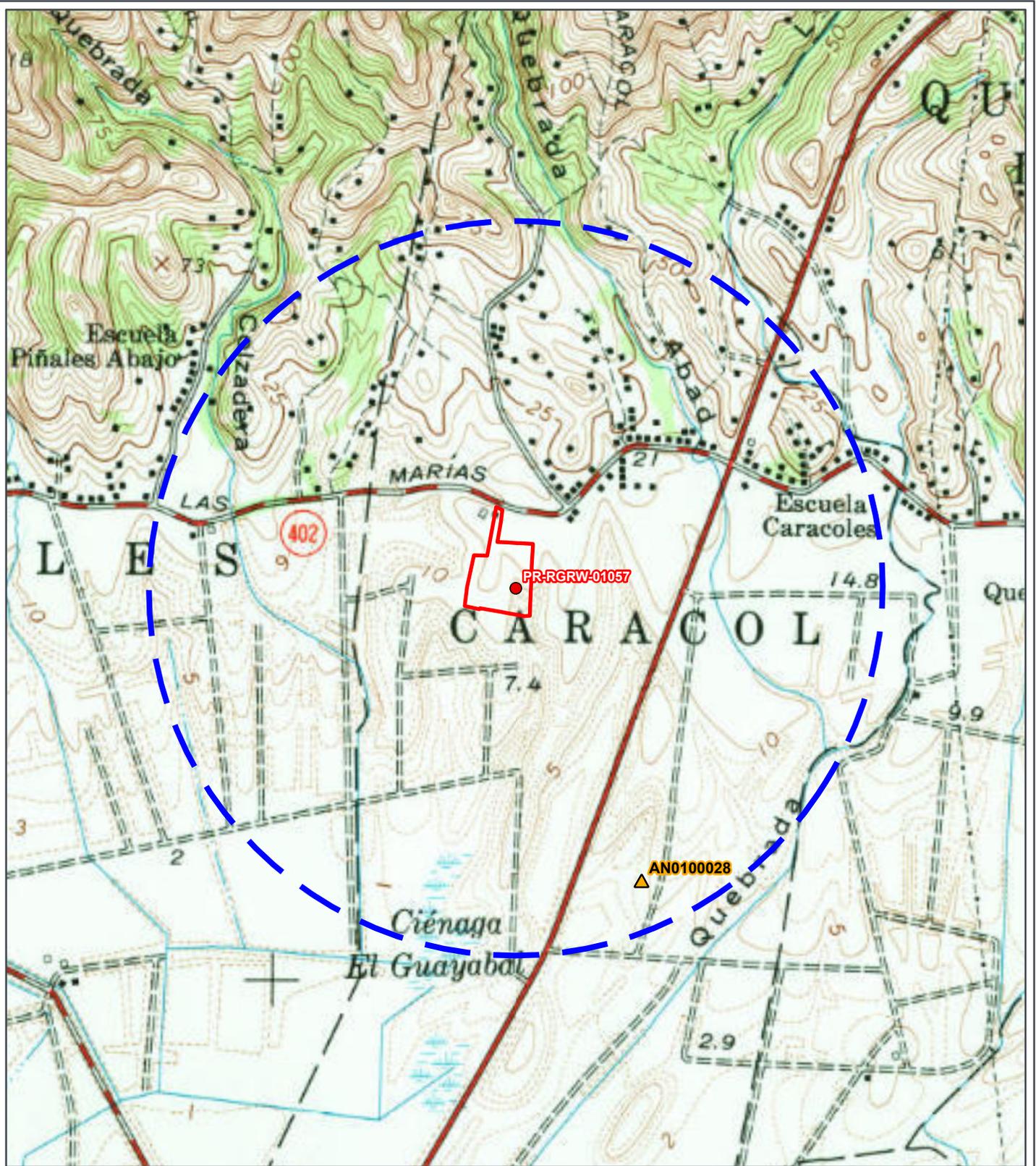
Cordially,

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

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT



REGROW PROGRAM

**Figure B 11-1:
Previously Recorded
Cultural Resources
Map**

Applicant ID: PR-RGRW-01057

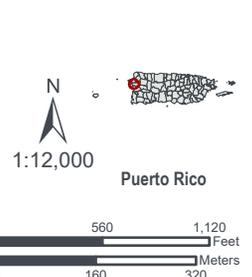


- Site
- Site Parcel
- Buffer (0.5-mile)
- ▲ Archaeological Site
- ▲ Historical Place
- ★ Historic Area Point
- ★ JP Historical Sites
- National Register of Historic Places
- National Historic Landmark
- National Register of Historic Places
- Historic Community
- Historic District
- Arroyo Historic Zone
- Caguas Historic Zone
- Coamo Historic Zone
- Guayama Historic Zone
- Manati Historic Zone
- Miramar Historic Zone
- Ponce Historic Zone
- San German Historic Zone
- San Juan Historic Zone
- Vega Baja Historic Zone
- Traditional Urban Centers

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610
Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: State Historic
Preservation Office and Puerto Rico
Institute of Culture

Base Map: ESRI ArcGIS Online,
accessed May 2023
Updated: 5/31/2023
Layout: Cultural Resources
Aprx: 72428_ReGrowTier2Maps



Attachment 12
Wetlands Protection Partner Worksheet and
Wetland Map



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Wetlands (CEST and EA) – Partner

<https://www.hudexchange.info/environmental-review/wetlands-protection>

1. Does this project involve new construction as defined in Executive Order 11990, expansion of a building’s footprint, or ground disturbance?

The term "new construction" includes draining, dredging, channelizing, filling, diking, impounding, and related activities and construction of any any structures or facilities.

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Yes → *Continue to Question 2.*

2. Will the new construction or other ground disturbance impact a wetland as defined in E.O. 11990?

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map or any other relevant documentation to explain your determination.*

Yes → *Work with HUD or the RE to assist with the 8-Step Process.* *Continue to Question 3.*

3. Does Section 55.12 state that the 8-Step Process is not required?

No, the 8-Step Process applies.

This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD’s elevation requirements.

→ *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

5-Step Process is applicable per 55.12(a).

Provide the applicable citation at 24 CFR 55.12(a) here.

[Click here to enter text.](#)

→ *Work with the RE/HUD to assist with the 5-Step Process. This project may require mitigation or alternations. Continue to Worksheet Summary.*

8-Step Process is inapplicable per 55.12(b).

Provide the applicable citation at 24 CFR 55.12(b) here.

[Click here to enter text.](#)

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.

8-Step Process is inapplicable per 55.12(c).

Provide the applicable citation at 24 CFR 55.12(c) here.

[Click here to enter text.](#)

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project site was reviewed for wetlands using the USFWS Wetland Inventory Mapper and a visual confirmation during the field site inspection. A freshwater emergent wetland is located approximately 63 feet east from the project site at its closest point and will not be affected by project activities; therefore, an 8-step decision making process is not required. No further evaluation is required. The project is in compliance with Executive Order 11990.



REGROW PROGRAM

**Figure B 12-1:
Wetlands Protection
Map**

Applicant ID: PR-RGRW-01057

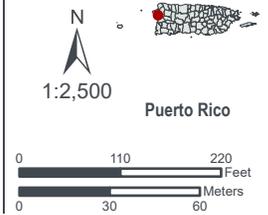


- Site
- Site Parcel
- Project Footprint (Option)
- NHD Stream
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
67.161242°W 18.297495°N

Data Source: <https://apps.nationalmap.gov/downloader/#/>
<https://www.fws.gov/program/national-wetlands-inventory/data-download>
Base Map: ESRI ArcGIS Online, accessed May 2023
Updated: 5/30/2023
Layout: Wetlands Protection



Attachment 13

Wild and Scenic Rivers Partner Worksheet and Wild and Scenic Rivers Map

Wild and Scenic Rivers (CEST and EA) – PARTNER

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

General requirements	Legislation	Regulation
The Wild and Scenic Rivers Act provides federal protection for certain free-flowing, wild, scenic and recreational rivers designated as components or potential components of the National Wild and Scenic Rivers System (NWSRS) from the effects of construction or development.	The Wild and Scenic Rivers Act (16 U.S.C. 1271-1287), particularly section 7(b) and (c) (16 U.S.C. 1278(b) and (c))	36 CFR Part 297
References		
https://www.hudexchange.info/environmental-review/wild-and-scenic-rivers		

1. Is your project within proximity of a NWSRS river as defined below?

Wild & Scenic Rivers: These rivers or river segments have been designated by Congress or by states (with the concurrence of the Secretary of the Interior) as wild, scenic, or recreational

Study Rivers: These rivers or river segments are being studied as a potential component of the Wild & Scenic River system.

Nationwide Rivers Inventory (NRI): The National Park Service has compiled and maintains the NRI, a register of river segments that potentially qualify as national wild, scenic, or recreational river areas

No

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide documentation used to make your determination, such as a map identifying the project site and its surrounding area or a list of rivers in your region in the Screen Summary at the conclusion of this screen.

Yes, the project is in proximity of a Nationwide Rivers Inventory (NRI) River.

→ Continue to Question 2.

2. Could the project do *any* of the following?

- Have a direct and adverse effect within Wild and Scenic River Boundaries,
- Invade the area or unreasonably diminish the river outside Wild and Scenic River Boundaries, or
- Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment.

Consultation with the appropriate federal/state/local/tribal Managing Agency(s) is required, pursuant to Section 7 of the Act, to determine if the proposed project may have an adverse effect on a Wild & Scenic River or a Study River and, if so, to determine the appropriate avoidance or mitigation measures.

Note: Concurrence may be assumed if the Managing Agency does not respond within 30 days; however, you are still obligated to avoid or mitigate adverse effects on the rivers identified in the NWSRS

No, the Managing Agency has concurred that the proposed project will not alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

Yes, the Managing Agency was consulted and the proposed project may alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *The RE/HUD must work with the Managing Agency to identify mitigation measures to mitigate the impact or effect of the project on the river.*

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

A review of the USFWS National Wild and Scenic River mapper identified no Wild and Scenic Rivers or National Rivers Inventory (NRI) rivers present in Municipio of Añasco. The closest Wild and Scenic River segment is located 475,710 feet (90 miles) from the project site. No further evaluation is required. The project is in compliance with the Wild and Scenic Rivers Act.

Are formal compliance steps or mitigation required?

Yes

No



REGROW PROGRAM

**Figure B 13-1:
National Wild and
Scenic River Map**

Applicant ID: PR-RGRW-01057



- Site
- National Wild and Scenic River

Bo. Caracol Carr. 402 km. 4.1
Añasco, Puerto Rico 00610

Parcel ID: 154-000-003-67-998
Parcel Center:
66.475525°W 18.295615°N

Data Source: https://apps.fs.usda.gov/arcx/rest/services/EDW/EDW_WildScenicRiverSegments_01/MapServer

Base Map: ESRI ArcGIS Online,
accessed May 2023

Updated: 5/30/2023

Layout: Wild and Scenic Rivers



Attachment 14
Environmental Justice Partner Worksheet
and EJScreen Report



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those “Partners” (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Environmental Justice (CEST and EA) – PARTNER

<https://www.hudexchange.info/environmental-review/environmental-justice>

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

1. Were any adverse environmental impacts identified in any other compliance review portion of this project’s total environmental review?

Yes → *Continue to Question 2.*

No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?

Yes

Explain:

Click here to enter text.

→ *The RE/HUD must work with the affected low-income or minority community to decide what mitigation actions, if any, will be taken. Provide any supporting documentation.*

No

Explain:

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The ReGrow Program intends to strengthen and to alleviate negative economic impacts to the agricultural industry in Puerto Rico. The project's direct and indirect impacts are limited to a small area on a single land parcel. The project will not facilitate development that will negatively affect human health or result in disproportionate adverse environmental impacts to low-income or minority populations. The project is in compliance with Executive Order 12898.

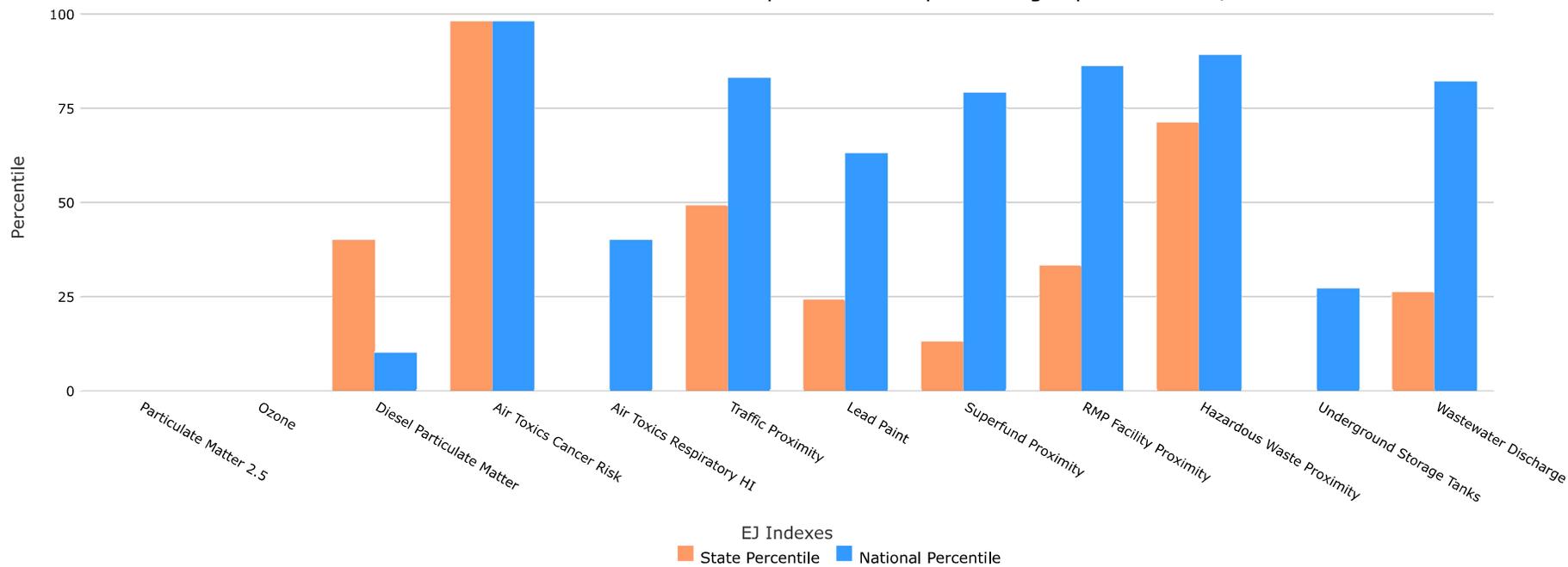


EJScreen Report (Version 2.12)
1 mile Ring Centered at 18.297496,-67.161242
PUERTO RICO, EPA Region 2
Approximate Population: 3,881
Input Area (sq. miles): 3.14
 Terra Farm, LLC

Selected Variables	Percentile in State	Percentile in USA
Environmental Justice Indexes		
Particulate Matter 2.5 EJ Index	N/A	N/A
Ozone EJ Index	N/A	N/A
Diesel Particulate Matter EJ Index*	40	10
Air Toxics Cancer Risk EJ Index*	98	98
Air Toxics Respiratory HI EJ Index*	0	40
Traffic Proximity EJ Index	49	83
Lead Paint EJ Index	24	63
Superfund Proximity EJ Index	13	79
RMP Facility Proximity EJ Index	33	86
Hazardous Waste Proximity EJ Index	71	89
Underground Storage Tanks EJ Index	0	27
Wastewater Discharge EJ Index	26	82

EJ Indexes - The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator

EJ Index for the Selected Area Compared to All People's Blockgroups in the State/US



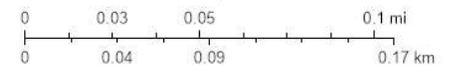
*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations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



June 21, 2023

✚ Terra Farm, LLC

1:2,257



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, IPC

Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

Selected Variables	Value	State		USA	
		Avg.	%tile	Avg.	%tile
Pollution and Sources					
Particulate Matter 2.5 ($\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.67	N/A
Ozone (ppb)	N/A	N/A	N/A	42.5	N/A
Diesel Particulate Matter* ($\mu\text{g}/\text{m}^3$)	0.0365	0.108	42	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	320	23	99	28	95-100th
Air Toxics Respiratory HI*	0.2	0.21	0	0.36	<50th
Traffic Proximity (daily traffic count/distance to road)	260	610	53	760	52
Lead Paint (% Pre-1960 Housing)	0.034	0.14	26	0.27	22
Superfund Proximity (site count/km distance)	0.043	0.15	13	0.13	38
RMP Facility Proximity (facility count/km distance)	0.42	0.97	35	0.77	55
Hazardous Waste Proximity (facility count/km distance)	1.3	0.9	75	2.2	61
Underground Storage Tanks (count/km ²)	0.047	1.7	0	3.9	25
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00097	5	39	12	49
Socioeconomic Indicators					
Demographic Index	80%	83%	26	35%	95
Supplemental Demographic Index	44%	44%	44	15%	99
People of Color	96%	99%	9	40%	93
Low Income	64%	72%	30	30%	91
Unemployment Rate	5%	15%	25	5%	61
Limited English Speaking	73%	68%	57	5%	99
Less Than High School Education	34%	22%	79	12%	93
Under Age 5	7%	4%	81	6%	65
Over Age 64	15%	20%	24	16%	47
Low Life Expectancy	N/A	-999999900%	N/A	20%	N/A

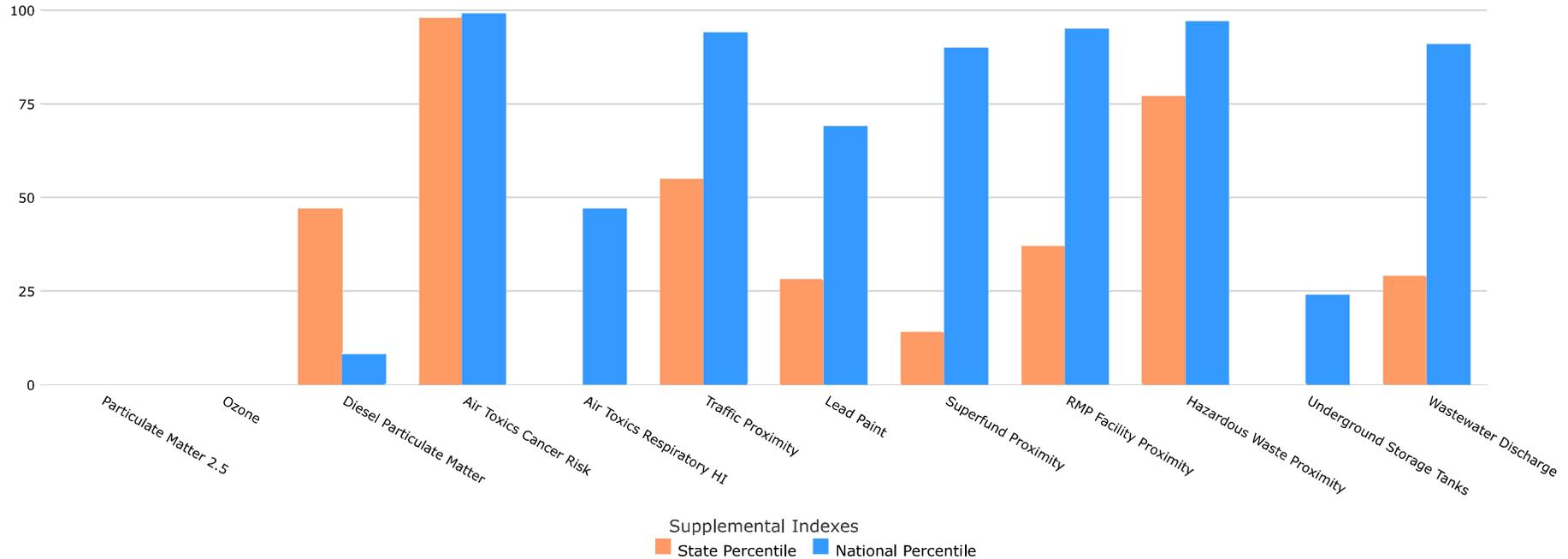
EJScreen is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJScreen outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

Selected Variables	Percentile in State	Percentile in USA
Supplemental Indexes		
Particulate Matter 2.5 Supplemental Index	N/A	N/A
Ozone Supplemental Index	N/A	N/A
Diesel Particulate Matter Supplemental Index*	47	8
Air Toxics Cancer Risk Supplemental Index*	98	99
Air Toxics Respiratory HI Supplemental Index*	0	47
Traffic Proximity Supplemental Index	55	94
Lead Paint Supplemental Index	28	69

Superfund Proximity Supplemental Index	14	90
RMP Facility Proximity Supplemental Index	37	95
Hazardous Waste Proximity Supplemental Index	77	97
Underground Storage Tanks Supplemental Index	0	24
Wastewater Discharge Supplemental Index	29	91

Supplemental Indexes - The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on low-income, limited English speaking, less than high school education, unemployed, and low life expectancy populations with a single environmental indicator.

Supplemental Index for the Selected Area Compared to All People's Blockgroups in the State/US



This report shows the values for environmental and demographic indicators, EJScreen indexes, and supplemental indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. For additional information, see: www.epa.gov/environmentaljustice

Appendix C
Environmental Site Inspection Report



ENVIRONMENTAL FIELD ASSESSMENT FORM
ReGrow

Applicant Name: Roberto Luis Colon Perez	Program ID: PR-RGRW-01057
Project Coordinates: 18.279655, -66.281036	Parcel ID: 154-000-003-67-998
Parcel Address: Bo. Caracol, Carretera 402 KM. 4.1	Municipio: Añasco
Zip Code: 00610	

Inspector Name: Delise Torres Ortiz	Inspection Date: May 15 th , 2023
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General Site Conditions

Was property accessible by vehicle?	Yes	Comment:
Access issues?	Yes	Comment: Dogs, Locked gate
Are water wells present?	No	Comment:
Are creeks or ponds present?	No	Comment:
Are any potential wetlands on-site or visible on adjacent parcel?	No	Comment:

Parcel Conditions

Note – for Any Yes answers specify type, contents and location

Do any of the proposed project work areas show evidence of site preparation?	No	Comment:
Are commercial or industrial hazardous facilities at parcel or within visual sight?	Yes	Comment: There is an auto shop on the property for heavy machinery and another one close by and partially visible from the site location. There is also a restaurant partially visible from the property.
Are there signs of underground storage tanks?	No	Comment:
Are above-ground tanks >10 gallons present? If Yes, also state condition.	No	Comment:



ENVIRONMENTAL FIELD ASSESSMENT FORM
ReGrow

Are 55-gallon drums present? If Yes, also state condition.	No	Comment:
Are abandoned vehicles or electrical equipment present?	Yes	Comment: Some cars around the area.
Is other potential environmentally hazardous debris on the parcel?	No	Comment:
Is there non-environmentally hazardous debris on the parcel?	No	Comment:
Are any leaks, soil stains, or stressed vegetation present associated with any of the above or separately?	No	Comment:
Are there any pungent, foul or noxious odors?	No	Comment:
Are there any potentially hazardous trees that could fall?	No	Comment:
Are any bird nests visible?	No	Comment:
Are there any animal burrows visible?	No	Comment:
Are there any buildings in direct visual sight of the project locations?	Yes	Comment: There are some residences belonging to family members, a ranch, a garage, and a mechanic shop.

Additional Needs Analysis

Based on the above findings, does additional information need to be obtained from the applicant to determine whether an environmental hazard is present?	No	Comment:
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I verify that I have physically visited this property and that the findings outlined above are accurate.

Delise Torres-Ortiz
{Delise Torres-Ortiz}
{May 15th, 2023}

Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 01	Date: 05/15/ 2023	
Photo Direction: Southeast		
Description: This picture is an overview of the site location for installing a freight container modified to be a vertical hydroponic 40x8ft and shows the area's vegetation, a trampoline, a partial view of the housing development (east), and drainage taken from the dirt-grass access road.		

Photo #: 02	Date: 05/15/ 2023	
Photo Direction: Southeast		
Description: This picture is closer overview of the site location for installing a freight container modified to be a vertical hydroponic 40x8ft and shows the area's vegetation, a trampoline, a partial view of the housing development (east), and drainage.		

Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 03	Date: 05/15/ 2023	
Photo Direction: Southwest		
Description: This picture overviews the site location for a modified freight container as a hydroponic taken from the northeast corner. It shows the area's vegetation, a partial view of the residential development to the south, and partial view of the access road.		

Photo #: 04	Date: 05/15/ 2023	
Photo Direction: Northwest		
Description: This picture overlooks the site location for a modified freight container as a hydroponic taken from the southeast corner. It shows the area's vegetation and the auto shop for heavy machinery/ranch inside the property.		

Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 05	Date: 05/15/ 2023	
Photo Direction: Northeast		
Description: This picture overlooks the site location for a modified freight container as a hydroponic 40x8ft taken from the southwest corner. It shows the area's vegetation and the different properties of family members.		

Photo #: 06	Date: 05/15/ 2023	
Photo Direction: Southeast		
Description: This picture overviews the site location for a modified freight container as a hydroponic 40x8ft taken from the northwest corner. It shows the trampoline, vegetation, and a partial view of the residential development to the south.		

Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 07	Date: 05/15/ 2023
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Photo Direction:
North

Description:
This picture presents the north area of the site location for the installation of a modified freight container to a vertical hydroponic (40x8ft) taken from the center. It shows the vegetation, a partial view of the dirt-grass access road, a freight container, a family member's residence, cars, and the paved road (partially).



Photo #: 08	Date: 05/15/ 2023
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Photo Direction:
East

Description:
This picture is an overview taken from the center of the site location for a vertical hydroponic 40x8 ft showing a trampoline, vegetation, and housing development.



Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 09	Date: 05/15/ 2023	
Photo Direction: South		
Description: This is an overview taken from the center of the site location for a vertical hydroponic 40x8ft showing the vegetation and the residential area with some cars.		

Photo #: 10	Date: 05/15/ 2023	
Photo Direction: West		
Description: This picture is an overview taken from the center of the site location for a vertical hydroponic 40x8ft showing a partial view of the residential area, vegetation, and some of the heavy machinery being fixed in the auto shop inside the property.		

Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 11	Date: 05/15/ 2023	
Photo Direction: Southeast		
Description: This picture overlooks the drainage area to the southeast formed throughout the years from the housing development to the east and the residences inside the property.		

Photo #: 12	Date: 05/15/ 2023	
Photo Direction: Northeast		
Description: This picture overlooks the area where the electricity will be taken from, which is going to be installed by PREPA.		

Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 13	Date: 05/15/ 2023
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Photo Direction:
Southeast, Close-up

Description:
This picture overlooks where the aqueduct potable water will be taken from, which will be above ground as an extension from the closest residence to the project location.



Photo #: 14	Date: 05/15/ 2023
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Photo Direction:
West

Description:
This picture overviews the auto shop inside the property dedicated to fixing heavy machinery and trucks. The structure is also used as a ranch for horses, and it was built more than ten years ago.

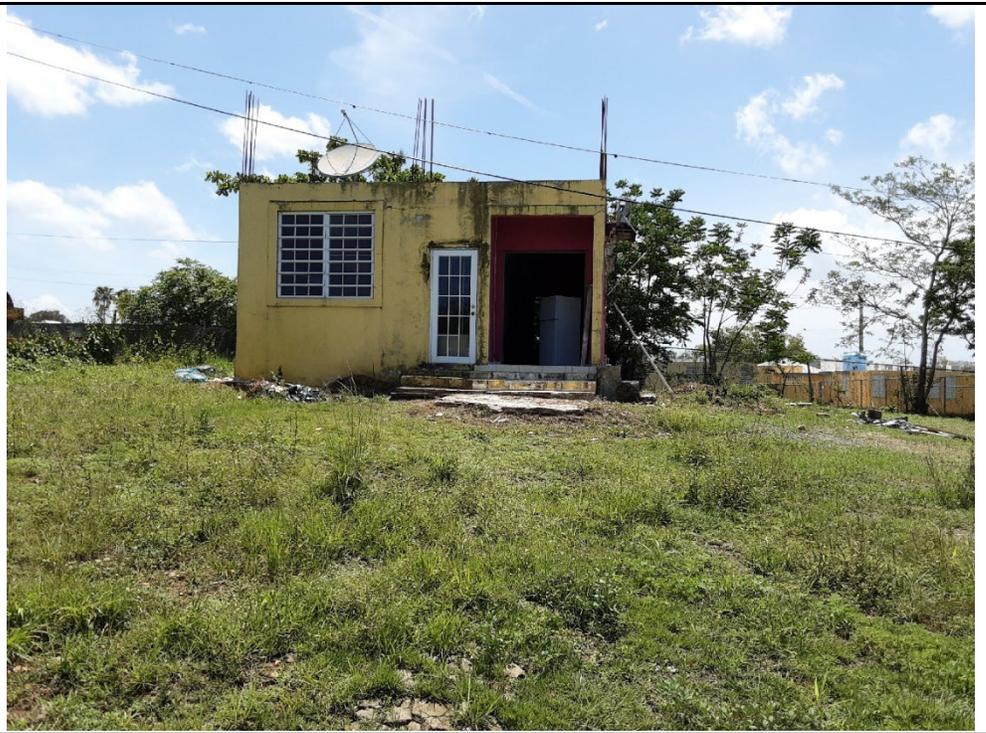


Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 15	Date: 05/15/ 2023
Photo Direction: East	
Description: This picture presents one of the structures inside the property where the project will be located, and this residence is the closest to it with the potable water source –built more than ten years ago.	



Photo #: 16	Date: 05/15/ 2023
Photo Direction: East	
Description: This picture presents one of the structures inside the property where the project will be located, and this residence is abandoned –built more than ten years ago.	



Project #: PR-RGRW-01057	Photographer: Delise Torres Ortiz
Location Address: Bo. Caracol, Carretera 402 KM. 4.1, Añasco, PR 00610	Coordinates: 18.297514, -67.161037

Photo #: 17	Date: 05/15/ 2023
Photo Direction: Northeast	
Description: This picture shows an overview of one of the structures inside the property, which is currently used as a garage, and it's also the closest to the property entrance –built more than ten years ago.	

