

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW-01109

Project Name: Juan Francisco Ortiz Delgado

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico / Municipio of Humacao

Preparer: Heath Anderson, Deputy Program Manager

Certifying Officer Name and Title:

Permit and Environmental Compliance Officers:

Sally Acevedo Cosme

Pedro De León Rodríguez

María T. Torres Bregón

Angel G. López-Guzmán

Ivelisse Lorenzo Torres

Santa Damarys Ramírez Lebrón

Janette I. Cambrelén

Juan C. Perez Bofill

Limary Vélez Marrero

Mónica M. Machuca Ríos

Consultant (if applicable): SWCA Environmental Consultants

Direct Comments to:

PR Department of Housing, environmentcdbg@vivienda.pr.gov

Project Location:

The proposed project is located on a 47.03-acre parcel (Castradal Number 304-000-002-26-001) at Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, Puerto Rico, 00791 (see **Appendix A, Figure 1-** Site Location and **Figure 2-** Site Vicinity). This property is in a rural area in the western portion of Humacao Municipio. Access to the project areas is provided via an existing unpaved road that runs northeast/southeast through the northwest portion of the property.

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

- Cattle trap (cepo) (18.140758, -65.851765) is in the northwest portion of the parcel.

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

The proposed project for PR-RGRW-01109 includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The use of the cattle trap is to hold the cows safely in a confined space for routine care and medical treatment. The cattle trap will be 50 feet (ft) by 20 ft. The posts will result in ground disturbance to a maximum depth of 2 ft.

There is one proposed location for the cattle trap to be installed located in the north northwest portion of the parcel. Hardwood posts will be installed in the four corners, three more posts for the gates, and three in-between the corners, one on each wall, totaling ten posts for the project. The walls will be made from heavy duty cloth and reinforced by pipes. There are no additional workspaces or construction work areas needed and the project does not require utility connection to electricity or water.

It is projected that some vegetation pruning will be necessary for install as well as mowing low lying grasses. No tree clearing is required for construction, and the project will have minimal ground disturbance. The applicant owns the property and currently uses it for agricultural use; therefore, no acquisition or conversion is required. All staging areas will be limited to the 50-meter project buffer indicated on the Historical Preservation map and will only be in areas that are already cleared.

Tree pruning will be required for the cattle trap activities and will result in approximately 0-5 trees being pruned.

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.

Agricultural capacity and strong food systems are fundamental to resiliency of economies and, as Puerto Rico's entire agriculture sector was devastated by the Hurricanes, this Program is designed to revitalize this industry. The Re-Grow Program is an integral part of the long-term expansion of jobs in the sector, food security and contributing to overall economic recovery of disaster impacted populations.

The applicant does not have the resources to purchase farming equipment and materials for their agricultural operation nor has the applicant received any other outside source of funding for the project. The cattle trap and various equipment that will be provided by the project will assist the applicant increase crop harvest and allow them to individually operate instead of using the neighbor's cattle trap. The project as a whole will 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 Environmental Assessment (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 land is currently used for agriculture including produce and cattle for meat. Without the assistance of the program, the farm may not be able to operate by itself and will depend on the neighbor's cattle trap to be able to care for his cattle.

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: \$9,200.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$9,200.00

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 or 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"/>	<p>The project site is not within 2,500 feet (ft) of a civil primary or commercial service airport or within 15,000 ft of a military airport. The nearest civil primary or commercial service airport, Jose Aponte De La Torre, is located [76,183 ft (14 miles)] from the project site. The nearest military airport, [Luis Munoz Marin International Airport], is located [116,638 ft (22 miles)] from the project site. No further evaluation is required. The project is in compliance with airport hazards requirements.</p> <p>The Airport Hazards Partner Worksheet and Airport Hazards Map (Figure B 1-1) are provided in Appendix B, Attachment 1.</p>
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The project site is not located in a Coastal Barrier Resource Systems Unit (CBRS) or Otherwise Protected Area (OPA). There are no CBRS units in Humacao. The closest CBRS unit, Puerto Yabucoa, is located 31,118 feet (6 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</p>

		Resources Map (Figure B 2-1) are provided in Appendix B, Attachment 2.
<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 72000C1265J (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>
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5		
<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project site is in Humacao Municipio which is within a U.S. Environmental Protection Agency (USEPA) designated attainment area. Municipios in Nonattainment or Maintenance areas include Arecibo, Bayamon, Catano, Guaynabo, Salinas, San Juan and Toa Baja. Project activities include new construction of a cattle trap. 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.</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 18,877 feet (4 miles) from 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 July 24, 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 did not identify any onsite hazards (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-equivalent sites, RCRA Corrective Action sites with release(s) or suspected release(s) requiring clean-up action and/or further investigation. The desktop review did not find any of the above-listed toxic, hazardous or radioactive substances in or within 3,000 feet of the project area that could 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, and</p>

		Contamination and Toxic Substances Map (Figure B 6-1) are provided in Appendix B, Attachment 6.
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input 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. In addition, critical species habitat was reviewed through the USFWS IPaC and Critical Habitat Portal. The review identified two federally listed species (Puerto Rican boa [<i>Chilobothrus inornatus</i>] and guajón [<i>Eleutherodactylus cooki</i>]) with the potential to occur within the project area. There is no designated or proposed critical habitat within the project area; the closest final designated critical habitat is located 4,721 feet (one mile) away.</p> <p>The project activities will result in ground disturbing activities, including site clearance for the construction of a new cattle trap. A qualified biologist reviewed the proposed activity location and determined that the project will have <i>no effect</i> on the guajón or designated critical habitat. Due to the generalist nature of the Puerto Rican boa, forested habitat surrounding the project areas, and dense ground cover present throughout the review area, the Puerto Rican boa may occur within the project area. The applicant will employ the conservation measures outlined in the USFWS 2023 General Project Design Guidelines for the Puerto Rican boa. As such, it is anticipated that the project <i>may affect, but is not likely to adversely affect</i> the Puerto Rican boa. If a</p>

		<p>Puerto Rican Boa (Boa) is found in the project activity 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 to relocate the Boa.</p> <p>The Endangered Species Act Partner Worksheet and USFWS Consultation are provided in Appendix B, Attachment 7.</p>
<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project includes the new construction of a cattle trap. 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>This project does not include any activities that could potentially convert agricultural land to non-agricultural use. Per the USGS/NRCS Web Soil Survey, the project area crosses one mapped soil series: PaE2 – Pandura loam, 12 to 40 percent slopes. 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 on-farm structures 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>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 7200C1265J (effective date 11/18/2009), shows the project site is in Flood Zone X.</p>

<p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>		<p>There are parts of the property that are in Zone AE but the project footprint is not within that zone. 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>PFIRMs in Puerto Rico were only developed for certain sections of the municipalities of Carolina, Canovanas, Loiza, San Juan and Trujillo Alto. The proposed project is located in the municipality of Humacao; therefore, PFIRM information was not available for the area and therefore not considered in the review.</p> <p>HUD implemented new floodplain regulations under 89 FR 30850 effective June 24, 2024 which created the Federal Flood Risk Management Standard (FFRMS). The project area lies outside of the 0.2-Percent-Annual-Chance (500-Year) Flood Approach:</p> <p>The current project comprises non-critical actions that lie outside the 0.2-percent-annual-chance (500-year flood elevation), which is the approach used for this project to comply with the FFRMS.</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>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project will involve new construction of cattle trap (cepo) on a previously disturbed property. 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 July 24, 2023, by an SOI-qualified Archaeologist. Record reviews and research were conducted at the SHPO and the</p>

		<p>Instituto de Cultura Puertorriqueña (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 there are no historic properties or cultural resources 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 October 16, 2023, and SHPO concurred with the No Historic Properties Affected determination on November 28, 2023. No further evaluation is required. The project is in compliance with the National Historic Preservation Act.</p> <p>The Historic Preservation Partner Worksheets and SHPO Consultation are provided in Appendix B, Attachment 11. See attached Cultural Resources Map, Figure B 11-1.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project activities are limited to a cattle trap (cepo) and do not involve residential new construction or rehabilitation. No further evaluation is 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</p> <p><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</p> <p><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. The site inspection identified a stream that crosses through the parcel; at its closest point, the stream is approximately 124 feet from the cattle trap. The stream will not be impacted by the projects if BMPs, such as silt fencing and erosion control, are implemented during any ground-disturbing activities. 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 13-1) 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</p> <p><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 Humacao Municipio. The closest Wild and Scenic River segment (Río Icacos) is located 41,031 feet (8 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 14-1) are provided in Appendix B, Attachment 13.</p>
<p>ENVIRONMENTAL JUSTICE</p>		
<p>Environmental Justice</p> <p>Executive Order 12898</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The ReGrow Program intends to alleviate negative economic impacts to, and strengthen, 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 benefit the farm owner by improving agricultural use and</p>

		<p>production. The project would not facilitate development that would 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 EJScreen 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 /	2	The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The project site location is classified as agricultural land use. The proposed action is continued

Scale and Urban Design		<p>agricultural use of property, which is compatible with zoning and existing land use.</p> <p>Construction actions include minor improvements which increase the current function of the existing land use. There is no change in land use since the land will continue to be used for agriculture purposes. The project site is in a rural area of Humacao 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>The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. Per the USGS/NRCS Web Soil Survey, the project area crosses one mapped soil series: PaE2 – Pandura loam, 12 to 40 percent slopes. 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. The soil is currently being used for agriculture purposes.</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>Department of Natural and Environmental Resources (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>The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. 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,</p>

		the project does not include housing to where inhabitants would be affected.
--	--	--

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	<p>The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The project will result in short-term benefit to employment if contractors are hired for the construction of a cattle trap. 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 income patterns.</p>
Demographic Character Changes, Displacement	2	<p>The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The project is a rural area in Humacao Municipio and will not alter the demographics or character of the surrounding community. Project activities will not result in any direct or indirect displacement of individuals or families.</p>
Environmental Justice	2	<p>The project's direct and indirect impacts are limited to a small area on a single land parcel. The project will benefit the farm owner by providing a safe area for tending to cattle. The project will not facilitate development that would negatively affect human health or result in disproportionate adverse environmental impacts to low-income or minority populations (see EJ Screen Report in Attachment 14).</p>

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	<p>The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The proposed project activities will occur on private land and will not contribute to any change in</p>

		educational or cultural facilities or affect access to or capacity of educational or cultural facilities.
Commercial Facilities	2	The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. 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 product.
Health Care and Social Services	2	The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. 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 project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. 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 project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The cattle trap will have no impact on wastewater or sanitary sewer generation.
Water Supply	2	The proposed project is the installation of a cattle trap and will not require new water connections. Current water conditions on the farm would remain unchanged, therefore the project will have no impact on water supply.
Public Safety - Police, Fire and Emergency Medical	2	The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. 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 project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. 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 includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. 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.
----------------------------------	---	--

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. There is a stream that runs into the applicant's parcel but it is across the road from the project site. Construction activities will not affect quality or access to these resources.
Vegetation, Wildlife	2	The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The project area has already been previously disturbed for farm operations. Although there will be some pruning of vegetation, the project is not anticipated to negatively impact trees, vegetation, wildlife, or native plant communities. No tree clearing will occur.

Environmental Assessment Factor	Impact Code	Impact Evaluation
CLIMATE AND ENERGY		
Climate Change Impacts	2	The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The proposed ReGrow program project aims to increase resiliency in the agricultural industry to prepare for future climate related disasters, including drought. 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

		<p>historical data (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.</p> <p>The specific activities proposed for this economic development project are limited in scale and land impacts. The proposed cattle trap construction activities are for individual farm use and will not result in an increase in electricity or water draw. The equipment that will be used during construction and operation will also be limited to occasional use at this specific land parcel, and therefore will not generate a significant amount of greenhouse gas.</p>
Energy Efficiency	2	<p>The project includes the purchase of materials and installation of a cattle trap (cepo) and associated fence. The project will not result in significant additional energy consumption as it involves only the construction of a cattle trap using battery-powered construction equipment on an existing farm and will not require any expansion to existing power facilities.</p>

Additional Studies Performed:

No additional studies were performed.

Field Inspection (Date and completed by):

July 24, 2023 by Delise Torres-Ortiz. M.A.

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 2023. Available at: [Permits Management Office Department of Economic Development and Commerce \(pr.gov\)](https://www.pr.gov/permits-management-office).

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

Federal Aviation Administration (FAA). 2022. National Plan for Integrated Airport Systems 2023-2027. Accessed January 31, 2023. Available at: [National Plan of Integrated Airport Systems \(NPIAS\) 2023-2027, Appendix B: National and State Maps \(faa.gov\)](https://www.faa.gov/airports/airport-systems/npias).

Federal Emergency Management Agency (FEMA). 2023. FEMA Flood Map Service Center - Map Panel 72000C265J (effective 11/18/2009). Accessed July 2023. Available at: <https://msc.fema.gov/portal/home>.

Institute of Puerto Rican Culture (ICP). 2023. San Juan, Puerto Rico. Data collection conducted on August 1, 2023.

National Oceanic and Atmospheric Administration (NOAA) Office for Coastal Management. 2023. Puerto Rico Coastal Zone Boundary. Accessed July 2023. Available at: [Puerto Rico Coastal Vulnerability Viewer \(arcgis.com\)](https://arcgis.com).

State Historic Preservation Office (SHPO). 2023. San Juan, Puerto Rico. Data collection conducted on August 1, 2023.

U.S. Environmental Protection Agency (USEPA). 2022a. Envirofacts Mapper. Air pollution data (ICIS-AIR), Brownfields, Hazardous Waste (RCRAInfo), Superfund National Priorities List (NPL), Toxic Releases Inventory (TRI), and National Pollutants Discharge Elimination Systems (NPDES). Accessed July 2023. Available at: <https://geopub.epa.gov/arcgis/rest/services/EMEF/efpoints/MapServer>.

USEPA. 2022b. Sole Source Aquifer Map. Accessed July 2023. Available at: <https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b>.

USEPA. 2023a. Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants. USEPA Green Book. Accessed July 2023. Available at: https://www3.epa.gov/airquality/greenbook/anayo_pr.html.

USEPA. 2023b. EJScreen: Environmental Justice Screening and Mapping Tool. July 2023. Available at: <https://www.epa.gov/ejscreen/download-ejscreen-data>.

U.S. Fish and Wildlife Service (USFWS). 2019. Coastal Barrier Resources System. Accessed July 2023. Available at: <https://www.fws.gov/CBRA/Maps/Mapper.html>.

USFWS. 2023a. Information for Planning and Consultation (IPaC). Accessed July 2023. Available at: <https://ipac.ecosphere.fws.gov/location/index>.

USFWS. 2023b. Critical Habitat for Threatened & Endangered Species. Accessed July 2023. Available at: <https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>.

USFWS. 2023c. National Wetlands Inventory Surface Waters and Wetlands Mapper. Accessed July 2023. Available at: <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>.

U.S. Forest Service. 2022. National Wild and Scenic River Segments. Accessed January 31, 2023. Available at: <https://www.rivers.gov/mapping-gis.php>; [Wild & Scenic Rivers | US Forest Service \(usda.gov\)](https://www.usda.gov).

U.S. Geological Survey (USGS). 2022. Concentration of Landslides caused by Hurricane Maria, Puerto Rico. Accessed July 2023. Available at: [U.S. Landslide Inventory \(arcgis.com\)](https://arcgis.com).

List of Permits Obtained:

No permits have yet 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 installation of a cattle trap 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 or the need for mitigation. 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 cattle trap. However, other locations may require greater environmental impacts such as additional ground disturbance, grading for slopes that are not suitable for installation or additional tree clearing and would result in higher costs to the applicant.

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

Under the No Action Alternative, the applicant would not receive federal funding to purchase equipment and construct a cattle trap. 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 is not located within a coastal zone or near a major water resource.

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>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.</p> <p>If a Puerto Rican Boa (Boa) is found in the project activity 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 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>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>The proposed action is continued agricultural use of property, which is compatible with the existing land use.</p> <p>The applicant and/or construction manager is required to obtain any necessary local and territorial building and environmental permits prior to construction activities commencing.</p>
<p>Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff</p>	<p>Soil suitability will be assessed prior to construction. Contractors will be required to use best management practices during construction. The site inspection identified a stream that traverses the project site in a few areas but it will not be impacted by the projects if BMPs, such as silt fencing and erosion control, are implemented during any ground-disturbing activities.</p> <p>Department of Natural and Environmental Resources (DNER) authorization is required for any extraction,</p>

	removal, excavation, and dredging of the components of the earth's crust.
Vegetation, Wildlife	Department of Natural and Environmental Resources (DNER) authorization is required for pruning. The landowner and/or the contractor will contact the Permit Management Office to determine 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 and to the hours established in the Regulation for Noise Control and Pollution in Puerto Rico.
Solid Waste Disposal / Recycling	All construction debris will be disposed of at the proper facilities for the debris type (i.e. construction waste).
Water Supply	The applicant is required to obtain authorization or permits from Prasa and/or AAA prior to expanding water connections.
Energy Consumption	The applicant is required to obtain authorization or permits from Prepa and/or Luma prior to expanding electrical connections.

Determination:

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

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

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

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

Preparer Signature:  Date: 2 July 2024

Name/Title/Organization: Heath Anderson, Ph.D., Deputy Program Manager

SWCA Environmental Consultants

Certifying Officer Signature:  Date: July 31, 2024

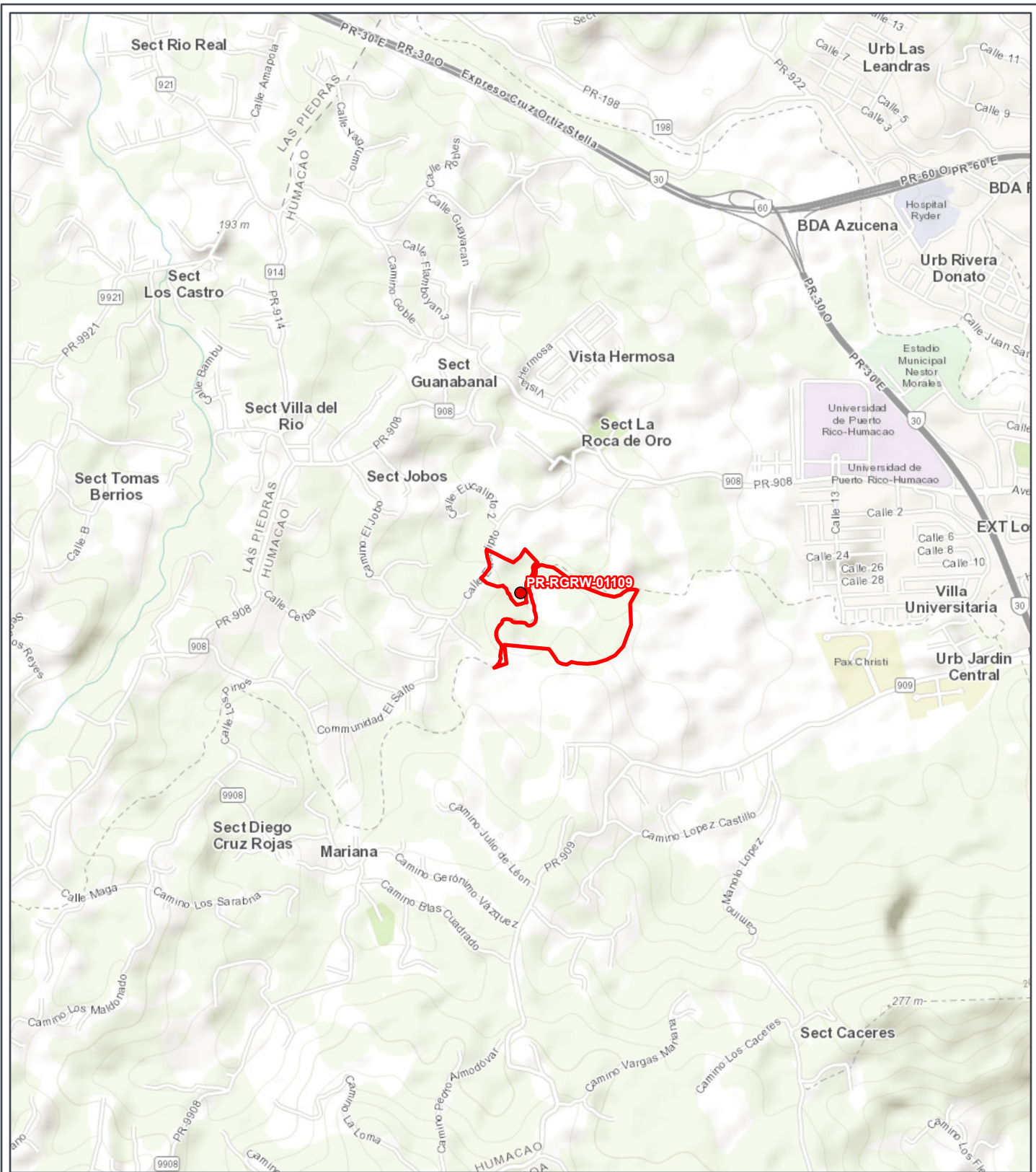
Name/Title: I. Lorenzo, Permits and Environmental Compliance Specialist

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

Figure 1
Site Location Map



REGROW PROGRAM

**Figure A-1:
Site Location**

Applicant ID: PR-RGRW-01109



- Site
- ▭ Site Parcel

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791

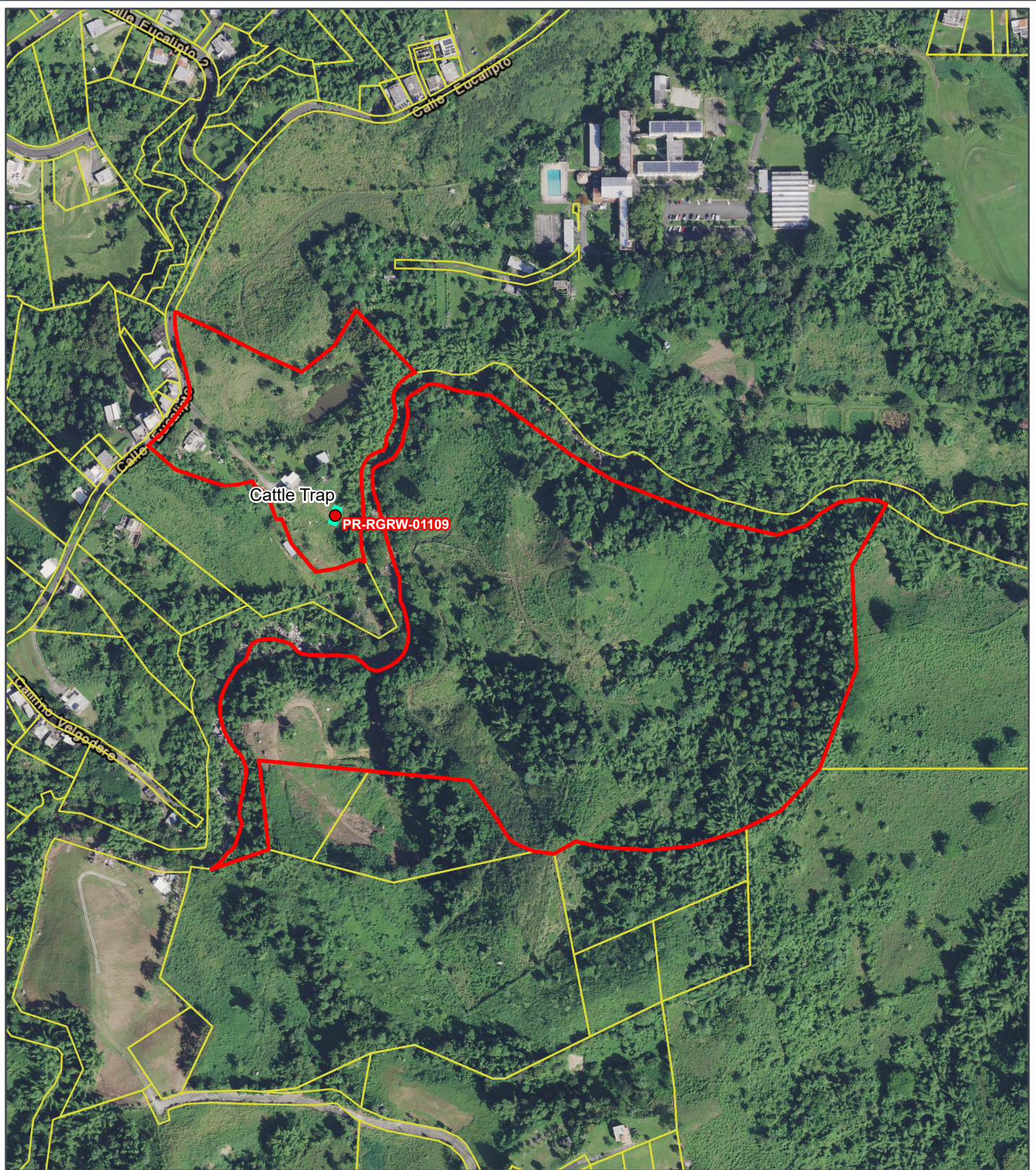
Parcel ID: 304-000-002-26-001
Center of Map:
65.851765°W 18.140758°N

Base Map: ESRI ArcGIS Online,
accessed July 2024
Updated: 7/1/2024

Layout: Site Location
Aprx: 72428_ReGrowTier2Maps



Figure 2
Site Vicinity Map



REGROW PROGRAM

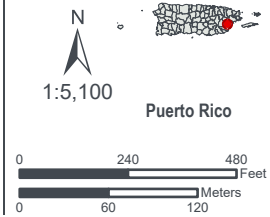
**Figure A-2:
Site Vicinity**

Applicant ID: PR-RGRW-01109



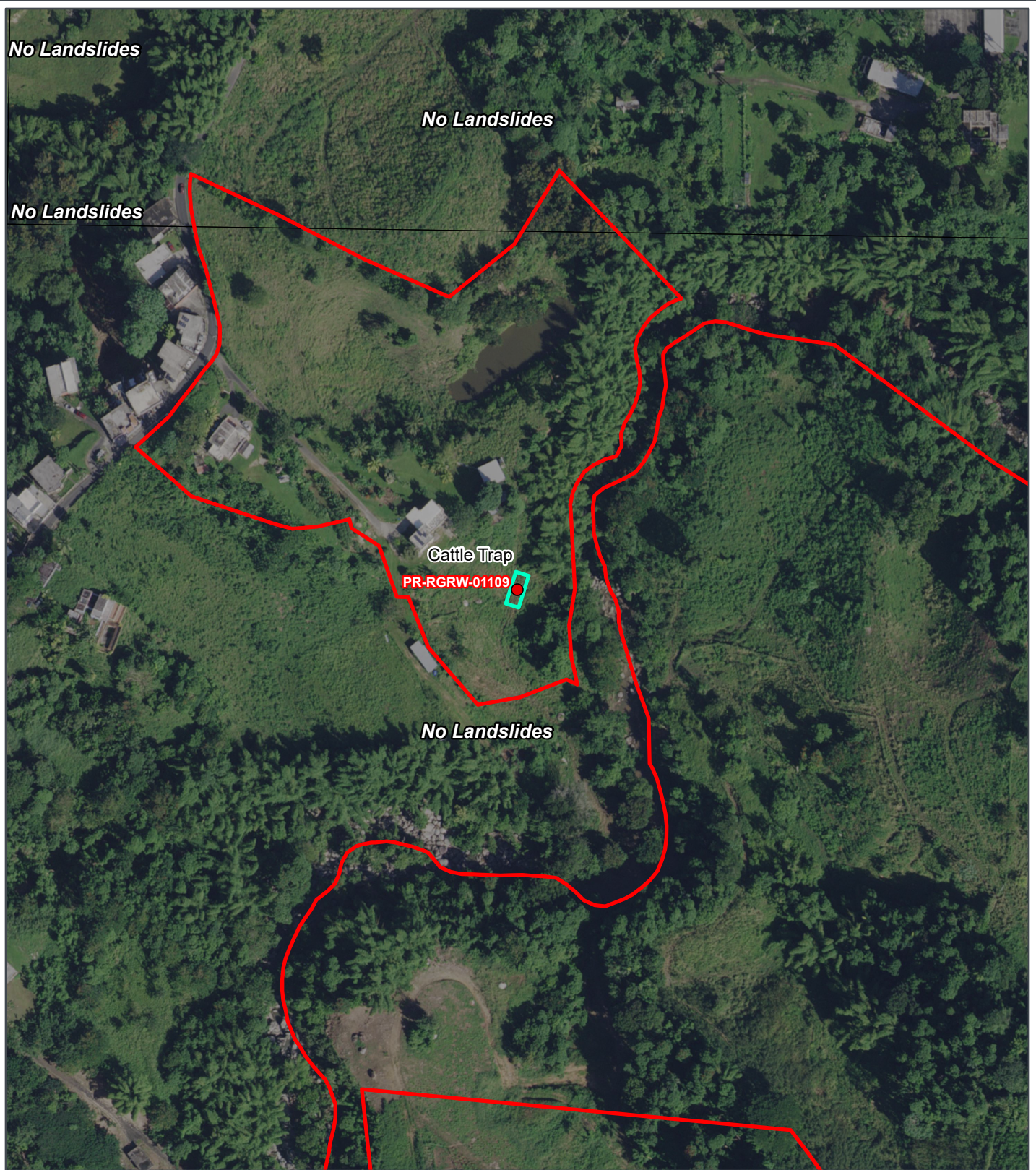
- Site
- Site Parcel
- Project Footprint (Option)

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.85016°W 18.140127°N



Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/1/2024
Layout: Site Vicinity
Aprx: 72428_ReGrowTier2Maps

Figure 3
USGS Landslide Map



REGROW PROGRAM

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

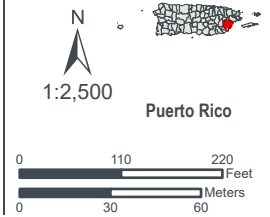
Applicant ID: PR-RGRW-01109



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

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.851765°W 18.140758°N

Data Source: https://arcgis.cuahsi.org/arcgis/rest/services/MariaRAPID/Hurricane_Maria_Landslides/MapServer
Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/1/2024
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 (ft) of a civil primary or commercial service airport or within 15,000 ft of a military airport. The nearest civil primary or commercial service airport, Jose Aponte De La Torre, is located [76,183ft (14 miles)] from the project site. The nearest military airport, [Luis Munoz Marin International Airport], is located [116,68 ft (22 miles)] from the project site. No further evaluation is required.



REGROW PROGRAM

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

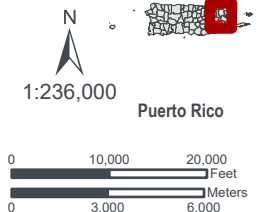
Applicant ID: PR-RGRW-01109



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

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.82359°W 18.286756°N

Data Source: <https://geodata.bts.gov/>
Base Map: ESRI ArcGIS Online,
accessed July 2024
Updated: 7/1/2024
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 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 in a Coastal Barrier Resource Systems Unit (CBRS) or Otherwise Protected Area (OPA). There are no CBRS units in Humacao. The closest CBRS unit, Puerto Yabucoa, is located 31,118 feet (6 miles) from the project site. No further evaluation is required.



REGROW PROGRAM

Figure B 2-1: Coastal Barrier Resources Map

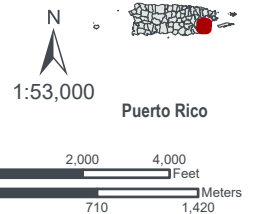
Applicant ID: PR-RGRW-01109



- Site
- Otherwise Protected Area
- System Unit

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.839184°W 18.099633°N

Data Source: <https://cbrsgis.wim.usgs.gov/arcgis/rest/services/CoastalBarrierResourcesSystem/MapServer>
Base Map: ESRI ArcGIS Online, accessed July 2024
Updated: 7/1/2024
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.

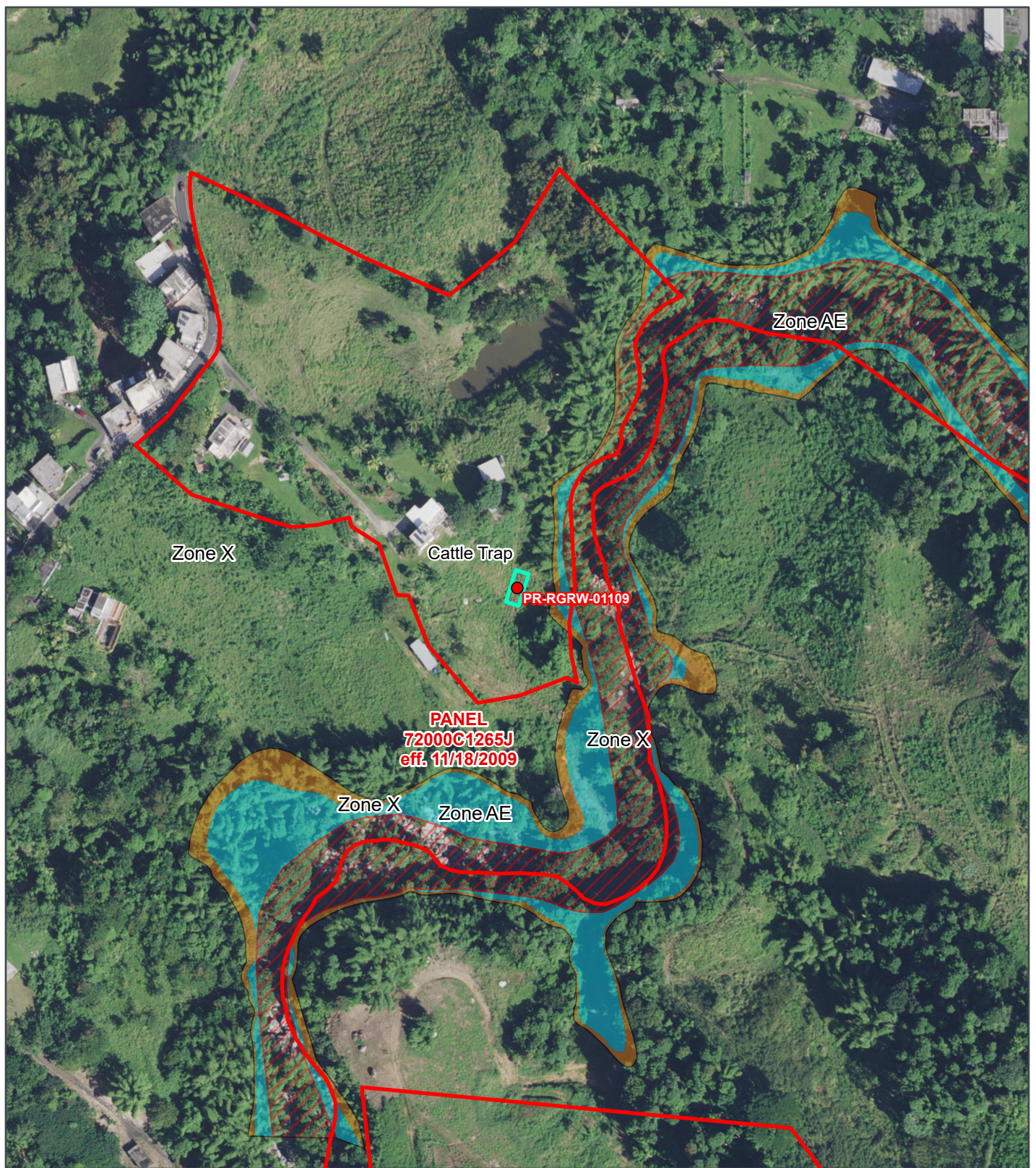
Worksheet Summary

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 72000C1265J (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)

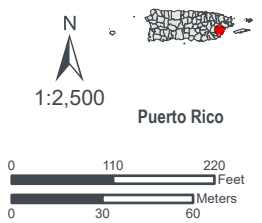
Applicant ID: PR-RGRW-01109



- 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

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.851765°W 18.140758°N

Data Source: <https://hazards.fema.gov/gis/nfhl/rest/services/public/NFHL/MapServer>
Base Map: USA NAIIP Imagery
Imagery Year: 2022
Updated: 7/11/2024
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

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.

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 Humacao Municipio which is within a U.S. Environmental Protection Agency (USEPA) designated attainment area. Project activities include new construction of a cattle trap. 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-01109

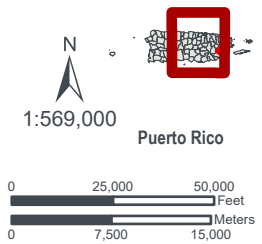


- Site
- 8-Hour Ozone (2015 Standard)*
- Lead (2008 Standard)
- PM-2.5 (2012 Standard)*
- Sulfur Dioxide (2010 Standard)

*No Data in Puerto Rico

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
66.254854°W 18.290677°N

Data Source: https://geopub.epa.gov/arcgis/rest/services/NEPAAssist/NEPAVELayersPublic_fgdb/MapServer
Base Map: ESRI ArcGIS Online, accessed July 2024
Updated: 7/1/2024
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 18,877 feet (4 miles) from the project site. No further evaluation is required.



REGROW PROGRAM

Figure B 5-1: Coastal Zone Management Map

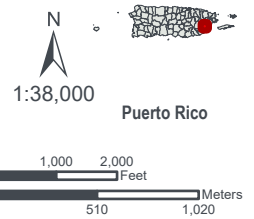
Applicant ID: PR-RGRW-01109



- Site
- Coastal Management Zone

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.825056°W 18.135909°N

Data Source: <https://coast.noaa.gov/arcgis/rest/services/Hosted/CoastalZoneManagementAct/BaseMap:ESRI/ArcGIS/Online>
accessed July 2024
Updated: 7/1/2024
Layout: Coastal Zone Management
Aprx: 72428_ReGrowTier2Maps



Attachment 6

Contamination and Toxics Substances Partner Worksheet, and Contamination and Toxics 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.

There were no contamination or toxic hazards identified within the project site or the project buffer.

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

- 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?

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.

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

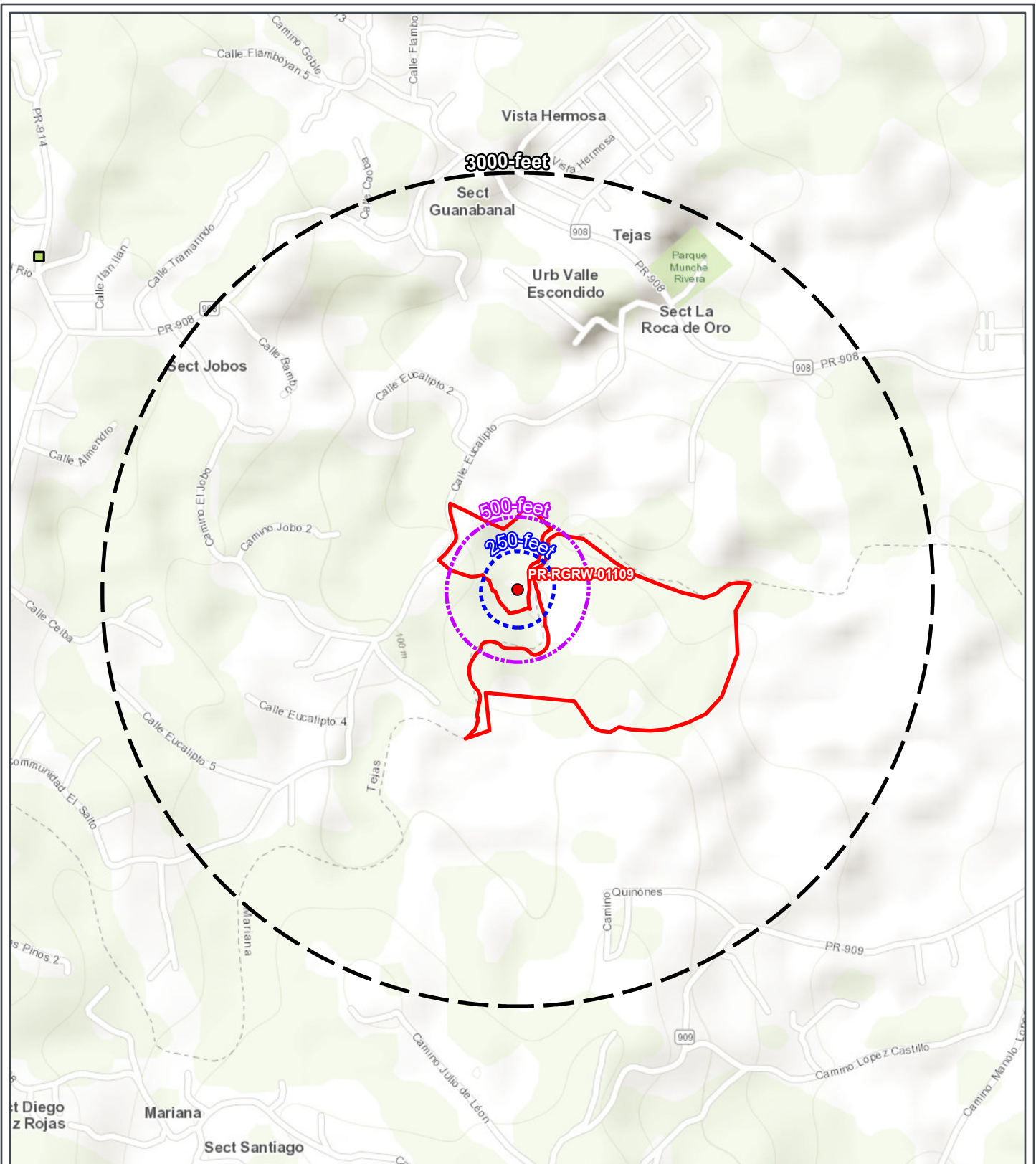
Include all documentation supporting your findings in your submission to HUD.

There were no contamination or toxic hazards identified within the project site or the project buffer.

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.



REGROW PROGRAM

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

Applicant ID: PR-RGRW-01109

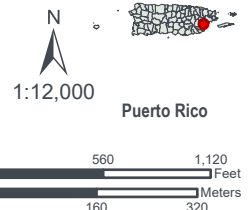


- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)
- ▭ Buffer (250-feet)
- ▭ Buffer (500-feet)
- ▭ Buffer (3000-feet)
- ▭ Water dischargers

- ▭ Toxic Substances Control Act
- ▭ Toxic releases
- ▭ Superfund
- ▭ Hazardous waste
- ▭ Brownfields
- ▭ Air pollution

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.851765°W 18.140758°N

Data Source: <https://geopub.epa.gov/arcgis/rest/services/EMEF/elpoints/MapServer>
Base Map: ESRI ArcGIS Online, accessed July 2024
Updated: 7/1/2024
Layout: Contamination and Toxic Substances



Attachment 7

Endangered Species Act Partner Worksheet and USFWS Consultation



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.

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 Portal, and the DNER Puerto Rico State Wildlife Action Plan, a Ten-Year Review database. The review identified two federally listed species, the Puerto Rican boa (*Chilabothrus inornatus*) and the guajón (*Eleutherodactylus cooki*).

Based on the site inspection and proposed project activities, the project will have *no effect* on the guajón or designated critical habitat. Due to the generalist nature of the Puerto Rican boa, forested habitat surrounding the project areas, and dense ground cover present throughout the review area, the Puerto Rican boa may occur within the project area. The applicant will employ the conservation measures outlined in the USFWS 2023 General Project Design Guidelines for the Puerto Rican boa. As such, it is anticipated that the project *may affect, but is not likely to adversely affect* the Puerto Rican boa. See the attached USFWS informal consultation request and subsequent concurrence, received on September 21, 2023.



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Bayamón | Mayagüez | Maricao | Rio Grande | St Croix
P.O. Box 491
Boquerón, Puerto Rico 00622



In Reply Refer to:
FWS/R4/CESFO/72069-Gen

Submitted Via Electronic Mail: jcperez@vivienda.pr.gov

Juan Carlos Pérez-Bofill, PE, MEng.
Director – Disaster Recovery CDBG-DR Program
Puerto Rico Department of Housing
P.O. Box 21365
San Juan, P.R 00928-1365

Re: CDBG-DR PR-RGRW-01109 Juan Ortíz
Delgado, Humacao, Puerto Rico

Dear Mr. Pérez-Bofill

Thank you for your letter dated September 13, 2023, requesting comments on the above referenced project. As per your request, our comments are provided under the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

The Puerto Rico Department of Housing (PRDOH) on behalf of Juan Ortíz Delgado (the Applicant) is proposing the installation of a new 20 FT x 50 FT cattle trap (“cepo”) on a 47 acre property. The project will be located at PR-908 Km 2.3, Eucalipto street, Bo. Tejas (18°08'31.8"N 65°50'50.2"W) in the municipality of Humacao, Puerto Rico. There are two proposed site locations for the new cattle trap which will require mowing and pruning:

- Option 1: consists of tall, dense grasses
- Option 2: consists of open pasture interspersed with small shrubs

Using the Information for Planning and Consultation (IPaC) system the proponent has determined that the proposed project lies within the range of Puerto Rican boa (*Epicrates inornatus* now known as *Chilabothrus inornatus*) and guajón (*Eleutherodactylus cooki*).

Based on the nature of the project, scope of work, information available, and existing habitat, the proponent has determined that the proposed project may affect, but is not likely to adversely affect the Puerto Rican boa. Conservation measures will be implemented prior to and during the repairs to avoid or minimize impacts to this specie following that if a Puerto Rican boa is encountered during the project activities, it should not be captured. If a boa needs to be moved out of harm’s way, they

will contact Puerto Rico Department of Natural and Environmental Resources (PRDNER) for safe capture and relocation.

As for the guajón, the proponent has determined that the proposed project actions will have no effect (NE) on this species since there are no rocky stream banks located within either of the proposed project locations. Also, the project area is located over 11 miles away from the designated final critical habitat for the species. Therefore, no guajón habitat or individuals will be impacted by the proposed project.

We have reviewed the information provided in your letter and our files, and concur with your determination that the proposed project may affect, but is not likely to adversely affect the Puerto Rican boa with the implementation of the conservation measures.

As for the guajón, we acknowledge receipt of your NE determination. Currently we do not have any information to refute your determination. Because you made a NE determination, you are not required to conduct formal or informal section 7 consultation with the Service, and the Service is not required to concur with your NE determination.

In view of this, we believe that requirements of section 7 of the Endangered Species Act (Act) have been satisfied. However, obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner that was not previously considered; (2) this action is subsequently modified in a manner not previously considered in this assessment; or, (3) a new species is listed, or critical habitat determined that may be affected by the identified action.

Thank you for the opportunity to comment on this project. If you have any questions or require additional information, please contact us via email at caribbean_es@fws.gov or by phone at (786) 244-0081.

Sincerely yours,

EDWIN MUNIZ

Edwin E. Muñoz
Field Supervisor

Digitally signed by EDWIN
MUNIZ
Date: 2023.09.21 16:02:05
-04'00'

drj/jpz

cc;
Susan Fischer, SWCA



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

10245 West Little York Road, Suite 600
Houston, Texas 77040
Tel 281.617.3217 Fax 713.896.3189
www.swca.com

TECHNICAL MEMORANDUM

To: Caribbean Ecological Services Field Office
U.S. Fish and Wildlife Service
P.O. Box 491
Boquerón, Puerto Rico 00622

From: Susan Fischer, Project Biologist on behalf of the Puerto Rico Department of Housing

Date: September 7, 2023

Re: **Threatened and Endangered Species Evaluation for the Puerto Rico Department of Housing ReGrow PR-RGRW-01109 Project/ SWCA Project No. 72428**

Project Description

Juan Francisco Ortiz Delgado, the applicant, is proposing to install a new cattle trap on a 47-acre property in the Municipio of Humacao, Puerto Rico (project) (Appendix A, Figure 1). The project is located at Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, Puerto Rico, 00791, in a rural area. The estimated dimensions of the cattle trap will be approximately 20 feet by 50 feet (1,000 square feet) with hardwood posts at each corner installed to a maximum depth of 2 feet. Two optional locations are being evaluated (Appendix A, Figure 2).

Existing conditions

The existing habitat conditions at the Option 1 location consist of tall, dense grasses, while vegetation at the Option 2 location consists of open pasture interspersed with small shrubs. Field surveys identified one stream and adjacent riparian zone approximately 50 feet east of both option locations. Construction of the cattle trap would require mowing and some pruning. Representative photographs of the proposed locations are provided in Appendix B.

Federal and State Protected Species

SWCA obtained a federal threatened and endangered species list from the USFWS (2023a) Information for Planning and Consultation (“IPaC”) website for a 100-foot buffer around the two optional cattle trap locations (review area) (Appendix C). The IPaC automatically generates a list of species and other resources of concern, such as critical habitat, that are known or expected to be in the specified area and could potentially be directly or indirectly affected. According to the IPaC query for the project, two federally listed endangered species has the potential to occur in the review area; the Puerto Rican boa (*Chilabothrus inornatus*), and the guajón (*Eleutherodactylus cooki*). SWCA also evaluated the review area for potential habitat for bald eagles (*Haliaeetus leucocephalus*) and golden eagles (*Aquila chrysaetos*) as they are protected by the Bald and Golden Eagle Protection Act of 1940 (“BGEPA”).

SWCA accessed the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Species Ranges, and Puerto Rico State Wildlife Action Plan_a Ten Year Review online mapping databases (PRDNER 2023a, PRDNER 2023b) and referenced the *Puerto Rico State Wildlife Action Plan: Ten Year Review* (PRDNER 2015) to compile a list of state threatened and endangered species with ranges that overlap with the review area. The review identified three additional listed species with the potential to occur within the review area: the state listed endangered brown pelican (*Pelecanus occidentalis*), the state listed critically endangered West Indian whistling duck (*Dendrocygna arborea*), and the state listed critically endangered web-footed coqui (*Eleutherodactylus karlschmidti*).

The bald and golden eagle’s range do not extend into Puerto Rico (Cornell Lab of Ornithology 2023); therefore, these species were eliminated from further analysis for this project. Table 1 identifies the species carried forward for further evaluation and summarizes each species’ habitat requirements, potential for occurrence in the project area, and determination of effects.

Table 1. Federal and State Listed Species Range and/or Habitat Requirements

Common Name (Scientific Name)	Status*	Range or Habitat Requirements	Potential for Occurrence in Project Area	Determination of Effects/Impacts
Birds				
Brown Pelican (<i>Pelecanus occidentalis</i>)	D/EN	The brown pelican is a common resident to Puerto Rico, inhabiting shallow inshore waters, estuaries, and bays, but is also present in inland freshwater reservoirs (Birds of Puerto Rico 2023a).	<i>Unlikely to occur.</i> There are no waterbodies located in the project area.	<i>No impact.</i> There is no suitable habitat for the brown pelican in the project area.
West Indian Whistling Duck (<i>Dendrocygna arborea</i>)	--/CR	The West Indian whistling duck occurs mostly in swamps and marshes surrounded by abundant tree cover, particularly mangroves. Also found in other shallow, freshwater, brackish, or saline ponds including man-made dams and rice fields (Cornell Lab of Ornithology 2023).	<i>Unlikely to occur.</i> There are no swamps, marshes, or ponded areas located in either of the proposed project location options.	<i>No effect.</i> There is no suitable habitat for the West Indian whistling duck in the project area.
Amphibians				
Guajón (<i>Eleutherodactylus cooki</i>)	FT/VU	The guajón occurs in caves and cavities made from plutonic, granitic, or sedimentary rocks associated with streams and natural drainage areas. They are also found within forested rocky stream banks covered with moss, ferns, and other vegetation, hiding in rocks, boulders, crevices, and grottoes during the daytime. This species has also been found in man-made structures such as culverts (USFWS 2023b). There is designated final critical habitat for the guajón in the Humacao Municipality (USFWS 2023c).	<i>Unlikely to occur.</i> There are no rocky stream banks located within either of the proposed project locations. The project area is located over 11 miles away from the designated final critical habitat for the species.	<i>No effect.</i> See discussion below.
Web-Footed Coqui (<i>Eleutherodactylus karlschmidti</i>)	--/CR	The web-footed coqui is thought to inhabit rocks and boulders near mountain streams (USDA Forest Service 2023).	<i>Unlikely to occur.</i> There may be potentially suitable habitat for the web-footed coqui located along the stream to the east of both location options; however, both options	<i>No impact.</i> There is no suitable habitat for the web-footed coqui in the project area.

Common Name (Scientific Name)	Status*	Range or Habitat Requirements	Potential for Occurrence in Project Area	Determination of Effects/Impacts
			are located at least 50 feet away from this stream and there are no rocky stream banks located within either of the proposed project location options.	
Reptiles				
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	FE/CR	Considered to be a habitat generalist, the Puerto Rican boa tolerates a wide variety of terrestrial and arboreal habitats, including rocky areas, haystack hill, trees and branches, rotting stumps, caves, plantations, various types of forested areas such as karst and mangrove forests, forested urban and rural areas, and along streams and road edges (USFWS 2011).	<i>May occur.</i> The project area is located adjacent to a riparian stream bank and dense vegetative ground cover is present throughout the Option 1 location.	<i>May affect, but not likely to adversely affect.</i> See discussion below.

*Status Definitions:

D = Federally delisted; EN = State listed endangered; FE = Federally listed endangered; FT = Federally listed threatened. CR = State listed critically endangered; VU = State listed vulnerable

Federally Protected Species

Based on a site visit and habitat evaluations, the guajón is considered unlikely to occur within the project area due to lack of suitable habitat. There is a stream located approximately 50 feet to the east of both location options that may provide suitable habitat for this species. However, the applicant will utilize best management practices during construction to control erosion and prevent sediment runoff into the stream. As such, it is anticipated that the project will have *no effect* on this federally listed species. Due to the generalist nature of the Puerto Rican boa, forested habitat surrounding the project areas, and dense ground cover present throughout the review area, the Puerto Rican boa may occur within the project area. The applicant will employ the conservation measures outlined in the 2023 USFWS General Project Design Guidelines for the Puerto Rican boa (Appendix D), including but not limited to issuing a stop work if a Puerto Rican boa were to occur within the project area, and contacting the PRDNER for safe capture and relocation of the individual if such action is required. Consequently, it is anticipated that the project *may affect, but is not likely to adversely affect* the Puerto Rican boa. The USFWS Consistency Letter obtained through IPaC is included in Appendix E.

State Protected Species

Based on a site visit and habitat evaluations, there is no suitable habitat for the brown pelican, West Indian whistling duck, or web-footed coqui within the project area. Therefore, the project will have *no impact* on state listed species.

Critical Habitat and National Wildlife Refuges

Potential effects to habitat(s) within the project area critical to endangered species must be analyzed along with the endangered species themselves, while any activity proposed on National Wildlife Refuge lands must undergo a compatibility determination conducted by the Refuge. There is designated final critical habitat for the guajón in the Municipio of Humacao, but it is located approximately 11 miles southeast of

the project area. No designated critical habitats are present within 100-feet of any of the proposed project location options (Appendix A, Figure 3) (USFWS 2023c).

LITERATURE CITED

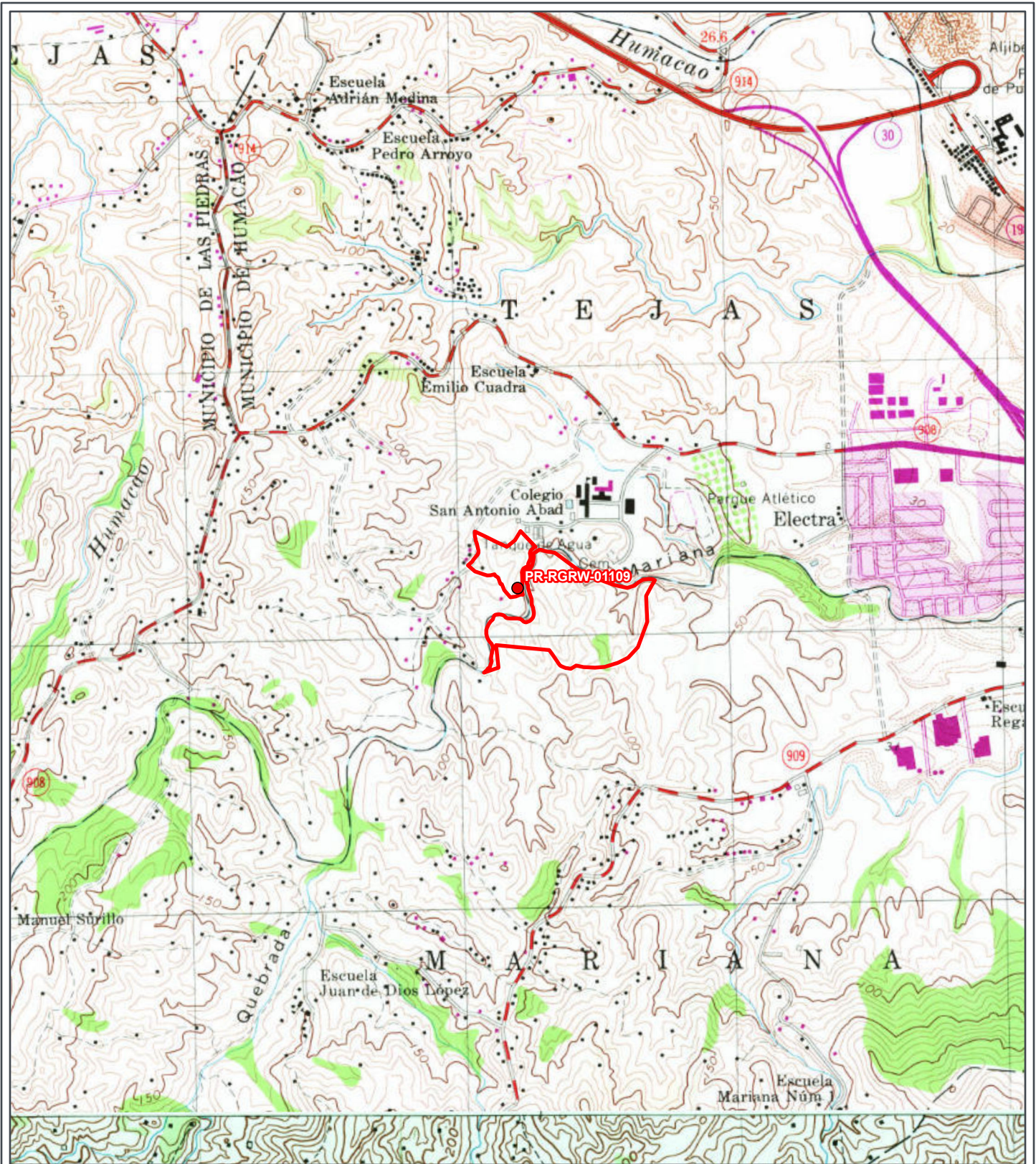
- Birds of Puerto Rico. 2023. Brown Pelican (*Pelecanus occidentalis*) Available at: <https://birdsofpuertorico.com/bird/152/Brown-Pelican>. Accessed September 2023.
- Cornell Lab of Ornithology. 2023. All About Birds. Available at: <https://www.allaboutbirds.org/guide/>. Accessed September 2023.
- Puerto Rico Department of Natural and Environmental Resources. 2015. *Puerto Rico State Wildlife Action Plan: Ten Year Review*. Available at: <https://www.drna.pr.gov/wp-content/uploads/2015/10/PRSWAP-2015.pdf>. Accessed August 2023.
- . 2023a. Puerto Rico DNER Species Ranges – under construction. Available at: <https://arcg.is/1S9aju0>. Accessed August 2023.
- . 2023b. Puerto Rico State Wildlife Action Plan_a Ten year Review. Available at: <https://arcg.is/1DmOy1>. Accessed February 2023.
- U.S. Department of Agriculture (USDA) Forest Service. 2023. Web-Footed Coqui. Available at: https://www.fs.usda.gov/detail/elyunque/learning/nature-science/?cid=fsbdev3_042948. Accessed September 2023.
- U. S. Fish and Wildlife Service (USFWS). 2011. *Puerto Rican Boa (Epicrates inornatus) 5-Year Review: Summary and Evaluation*. U.S. Fish and Wildlife Service, Southeast Region. Boquerón, Puerto Rico.
- . 2023a. Information for Planning and Consultation System (IPaC). Available at: <http://ecos.fws.gov/ipac/>. Accessed September 2023.
- . 2023b. Rock Frog. Available at: <https://www.fws.gov/species/rock-frog-eleutherodactylus-cooki>. Accessed September 2023.
- . 2023c. Critical Habitat for Threatened & Endangered Species [USFWS]. Available at: <https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>. Accessed September 2023.

APPENDIX A

Maps

Figure 1

USGS Topographic Map



REGROW PROGRAM

USGS Topographic Map

Applicant ID: PR-RGRW-01109



- Site
- Site Parcel

Carr 908 Km 2.3 Calle Eucalipto, Bo Tejas Humacao, Puerto Rico 00791

Parcel ID: 304-000-002-26-001

Parcel Center: 65.851686°W 18.14059°N

Base Map: ESRI ArcGIS Online, accessed September 2023 Updated: 9/5/2023

Layout: USGS Topographic Map Aprx: 72428_ReGrowTier2Maps



Figure 2
Site Vicinity Map



REGROW PROGRAM

Site Vicinity

Applicant ID: PR-RGRW-01109



- Site
- Site Parcel
- Project Footprint (Option)

Carr 908 Km 2.3 Calle
Eucalipto, Bo Tejas
Humacao, Puerto Rico 00791

Parcel ID: 304-000-002-26-001
Parcel Center:
65.85016°W 18.140127°N

Base Map: ESRI ArcGIS Online,
accessed July 2023
Updated: 7/26/2023
Layout: Site Vicinity
Aprx: 72428_ReGrowTier2Maps

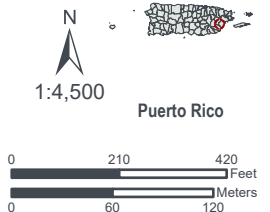
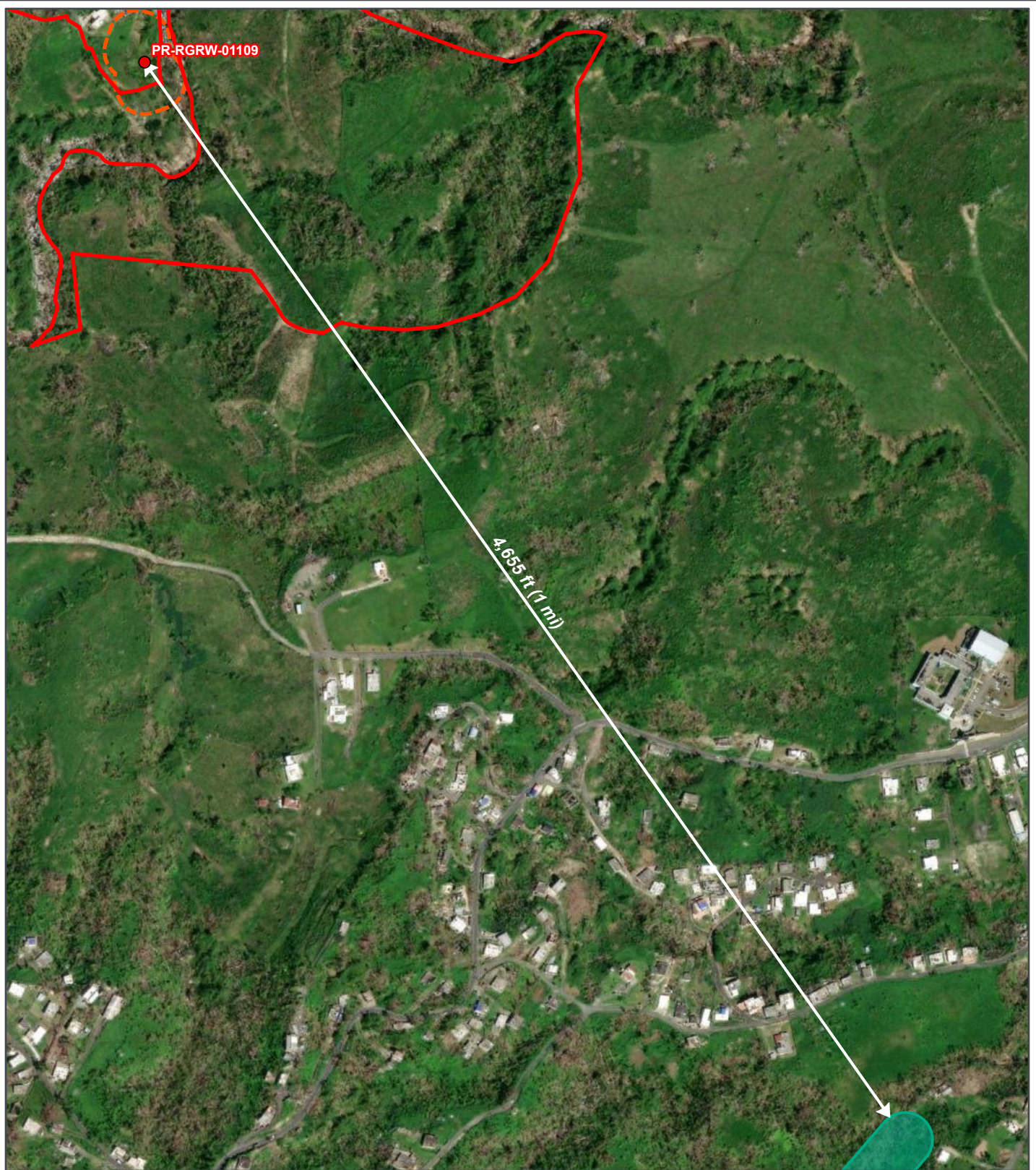


Figure 3
Critical Habitat Map



REGROW PROGRAM

Critical Habitat Map

Applicant ID: PR-RGRW-01109

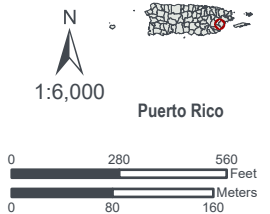


- Site
- Site Parcel
- Buffer (100-ft)
- Critical Habitat - Final
- National Wildlife Refuges

Carr 908 Km 2.3 Calle
Eucalipto, Bo Tejas
Humacao, Puerto Rico 00791

Parcel ID: 304-000-002-26-001
Parcel Center:
65.847834°W 18.135344°N

Data Source: https://services.arcgis.com/QVENGdaPbd4LUkLV/arcgis/rest/services/USFWS_Critical_Habitat/
Base Map: *ESRI ArcGIS Online*, accessed July 2023
Updated: 7/26/2023
Layout: Critical Habitat
Aprx: 72428_ReGrowTier2Maps



APPENDIX B

Photographic Log

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Photo #: 01	Date: 07/24/ 2023	
Photo Direction: Southeast		
Description: This picture is an overview of Option 1 and Option 2 of the site location for a fixed cattle trap similar to a corral or “cepo”, in Spanish, 50x20ft, 18 inches to 2ft deep; the photo was taken at the side of the applicant’s residence, and it shows the area’s vegetation.		

Photo #: 02	Date: 07/24/ 2023	
Photo Direction: South		
Description: This picture taken from the north corner of Option 1 overviews the site location for a fixed cattle trap (“cepo”) 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation and the applicant.		

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Photo #: 03	Date: 07/24/ 2023	
Photo Direction: West		
Description: This picture taken from the east corner of Option 1 overviews the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation and the applicant.		

Photo #: 04	Date: 07/24/ 2023	
Photo Direction: North		
Description: This picture taken from the south corner of Option 1 overviews the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation.		

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Photo #: 05	Date: 07/24/ 2023	
Photo Direction: East		
Description: This picture taken from the west corner of Option 1 overviews the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation towards the creek.		

Photo #: 06	Date: 07/24/ 2023	
Photo Direction: Southwest		
Description: This picture taken from the northeast corner of Option 2 overviews the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation with an old warehouse.		

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729


Photo #: 07	Date: 07/24/ 2023	
Photo Direction: Southeast		
Description: This picture taken from the northwest corner of Option 2 overviews the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation, the dirt access road to this lower portion of the property, and the applicant's residence.		

Photo #: 08	Date: 07/24/ 2023	
Photo Direction: Northeast		
Description: This picture taken from the corner southwest of Option 2 overviews the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation and the applicant.		

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Photo #: 09	Date: 07/24/ 2023	
Photo Direction: Southeast		
Description: This picture taken from the northwest corner of Option 2 overviews the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation and some cattle.		

Photo #: 10	Date: 07/24/ 2023	
Photo Direction: Southeast		
Description: This picture overlooks the area where the creek, known by the applicant by the neighborhood name, Mariana, is located.		

APPENDIX C

USFWS Information for Planning and Consultation



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (787) 834-1600 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:
Project Code: 2023-0125952
Project Name: PR-RGRW-01109

September 07, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

THE FOLLOWING SPECIES LIST IS NOT A SECTION 7 CONSULTATION. PLEASE CONTACT OUR OFFICE TO COMPLETE THE CONSULTATION PROCESS

The purpose of the Endangered Species Act (Act) is to provide a means whereby threatened, and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect those species and/or their designated critical habitat.

Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". The enclosed species list provides information to assist with the U.S. Fish and Wildlife Service (Service) consultation process under section 7 of the Act. However, **the enclosed species list does not complete the required consultation process.** The species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitats, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. A discussion between the Federal agency and the Service should include what types of listed species may occur in the proposed action area and what effect the proposed action may have on those species. This process initiates informal consultation.

Once a species list is obtained for the proposed project, an effect determination for endangered and threatened species should be made. The applicant could make an effect determination by using available keys on IPaC for specific species. For species with no determination keys, the applicant should request concurrence from the Service by sending a project package

to caribbean_es@fws.gov. To obtain guidance for completing this process and the minimum requirements for project packages, please visit:

<https://www.fws.gov/sites/default/files/documents/consultation-under-section-7-of-the-endangered-species-act-with-the-caribbean-ecological%20Services-field-office-template-letter.pdf>

When a federal agency, after discussions with the Service, determines that the proposed action is not likely to adversely affect any listed species, or adversely modify any designated critical habitat, and the Service concurs, the informal consultation is complete, and the proposed project moves ahead. If the proposed action is suspected to affect a listed species or modify designated critical habitat, the Federal agency may then prepare a Biological Assessment (B.A.) to assist in its determination of the project's effects on species and their habitat. However, a B.A. is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a B.A. where the agency provides the Service with an evaluation on the likely effects of the action to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a B.A. are described at 50 CFR 402.12.

If a federal agency determines, based on its B.A. or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to further consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation process. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species.

This list is provided pursuant to Section 7 of the Endangered Species Act and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". Please use this list to determine whether your project requires consultation and to make your effects determination. For more guidance, use the Guideline for Consultation under Section 7 of the Endangered Species Act with the Caribbean Ecological Services Field Office by clicking [here](#).

This species list is provided by:

Caribbean Ecological Services Field Office

caribbean_es@fws.gov

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Caribbean Ecological Services Field Office

Post Office Box 491

Boqueron, PR 00622-0491

(787) 834-1600

PROJECT SUMMARY

Project Code: 2023-0125952
Project Name: PR-RGRW-01109
Project Type: Disaster-related Grants
Project Description: Cattle trap installation (20' x 50')
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.140726049999998,-65.85174371980588,14z>



Counties: Humacao County, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [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.

REPTILES

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6628 General project design guidelines: https://ipac.ecosphere.fws.gov/project/RBG3XHS6RNHTDPEEXQH7YYCFC4/documents/generated/6941.pdf	Endangered

AMPHIBIANS

NAME	STATUS
Guajon <i>Eleutherodactylus cooki</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6963 General project design guidelines: https://ipac.ecosphere.fws.gov/project/RBG3XHS6RNHTDPEEXQH7YYCFC4/documents/generated/6944.pdf	Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

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 OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

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.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO FWS MIGRATORY BIRDS OF CONCERN WITHIN THE VICINITY OF YOUR PROJECT AREA.

MIGRATORY BIRDS FAQ

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

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

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

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

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as

occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

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

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

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

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

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

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

What are the levels of concern for migratory birds?

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

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

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can

implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

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

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

What if I have eagles on my list?

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

Proper Interpretation and Use of Your Migratory Bird Report

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

WETLANDS

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.

RIVERINE

- [R5UBH](#)
-

IPAC USER CONTACT INFORMATION

Agency: SWCA Environmental Consultants
Name: Susan Fischer
Address: 10245 West Little York Road
Address Line 2: Suite 600
City: Houston
State: TX
Zip: 77040
Email: susan.fischer@swca.com
Phone: 3463881157

APPENDIX D

General Project Design Guidelines

General Project Design Guidelines (2 Species)

Generated September 07, 2023 07:28 PM UTC, IPaC v6.97.0-rc3

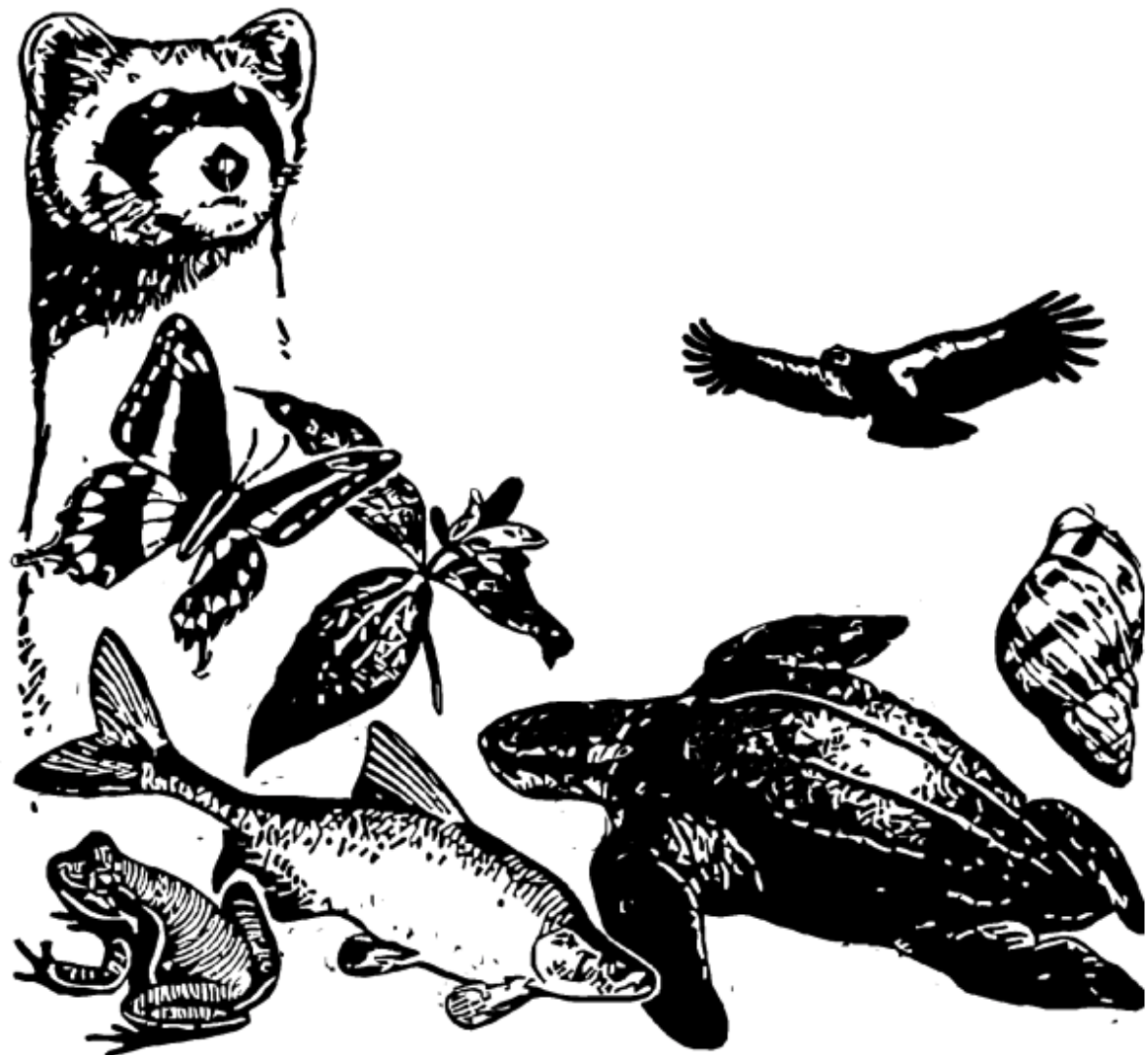


Table of Contents

Species Document Availability	1
Guajon - Caribbean Ecological Services Field Office	2
Puerto Rican Boa - Caribbean Ecological Services Field Office	6

Species Document Availability

Species with general design guidelines

Guajon *Eleutherodactylus cooki*

Puerto Rican Boa *Chilabothrus inornatus*

General Project Design Guidelines - Guajon and 1 more species

Published by Caribbean Ecological Services Field Office for the following species included in your project

Guajon *Eleutherodactylus cooki*

Puerto Rican Boa *Chilabothrus inornatus*

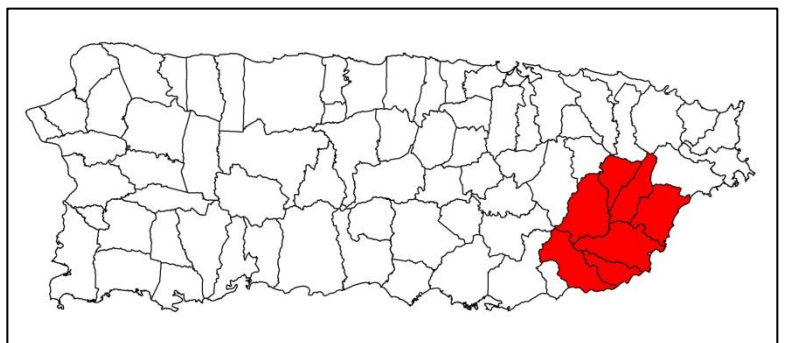


U.S. FISH AND WILDLIFE SERVICE CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

Conservation Measures for the Coquí Guajón (*Eleutherodactylus cooki*)

Section 7 (a)(1) of the Endangered Species Act (ESA) charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies, through consultation with the U.S. Fish and Wildlife Service (Service), to ensure their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats. Section 7 applies to the management of Federal lands as well as Federal actions that may affect listed species, such as Federal approval of private activities through the issuance of Federal funding, permits, licenses, or other actions. Any person that injures, captures, or kills a Coquí guajón destroy its eggs, and/or modify its critical habitat is subject to penalties under Federal law. If federal funds or permits are needed, the funding or permitting agency shall initiate Section 7 consultation with the Service. To initiate a consultation under the Section 7 of the ESA, you must submit a project package with the established minimum requirements. These conservation measures should be incorporated into the project plans to minimize possible impacts to the species. Download the [project evaluations fact sheet](#) to learn more about the requirements or visit our [project evaluations webpage](#).

The coquí guajón is a relatively large species within the coqui frog family, reaching approximately 3 inches in length with females being larger than males. The species is considered mostly nocturnal, but can also be heard calling during daylight hours and late afternoon. This coquí was federally listed as threatened in 1997 and is only known to occur in southeastern Puerto Rico in the Municipalities of Yabucoa, San Lorenzo, Patillas, Humacao, Las Piedras, Juncos, and Maunabo (shaded area in map below). You may find more information on this species including a recording of its call here: <http://www.proyectocoqui.com/portfolio/coqui-guajon/#.XHginlW6PIV>, and educational materials including a printable poster here: <https://www.coquiguajon.org/materiales-educativos>.



The coquí guajón utilizes large to small caves and crevices formed by different sized granite boulders within rocky streams. This type of habitat is commonly known as *guajonal*. The species also has been detected using road culverts and adjacent to Puerto Rico's sewer and aqueduct water

Last Revised: January 2020

facilities. Projects that occur upstream or upland where the species occurs may also impact its habitat further downstream.

Critical habitat has been designated in each of the municipalities mentioned above, all within private lands. The enclosed link describes and illustrates all of the 17 designated critical habitats for this species: <https://www.govinfo.gov/content/pkg/FR-2006-10-05/pdf/06-8482.pdf>. You may also download spatial data for these critical habitats by searching here: <https://ecos.fws.gov/ecp/report/table/critical-habitat.html>.

The Service has developed the following conservation measures with the purpose of assisting others to avoid or minimize adverse effects to the coqui guajón and its habitat. These recommendations may be incorporated into new project plans and under certain circumstances into existing projects. Depending on the project, additional recommendations can be made besides the ones presented in this document.

Conservation Measures:

1. Confirm the presence/absence of the species at the project site. The most effective way to do this is to identify the guajon's call during the late afternoon or night. You may contact the Service for recommendations on how and when to do this.
2. Inform all project personnel about the potential presence of the coquí guajón in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming this species. An educational poster or sign with photo or illustration of the species should be displayed at the project site.
3. Proposed activities should avoid adversely affecting any of the 17 critical habitat units or any other occupied guajón habitat.
4. Be advised that the designated critical habitat is not the entire range of the species; the species can be found in any boulder type habitat in streams, ravines or drainages within the above referenced Municipalities. If the species is detected outside of the designated critical habitat areas, it is still protected under the Endangered Species Act.
5. Prior to any construction activity, including removal of vegetation and earth movement, the boundaries of the project area, the buffer zones, and areas to be excluded and protected should be clearly marked in the project plan and in the field.
6. It is important to implement proper erosion and sedimentation control measures when working within or adjacent to coqui guajón habitat. Sediment runoff can adversely impact the species and its habitat by filling the caves and crevices where the species occurs and uses to lay its eggs. As water is a very important component of the species' habitat, any stream, creek, or similar body of water with the habitat characteristics indicated above may harbor the species, hence it should be protected to the maximum extent possible.
7. Areas that can be impacted by construction or any other activity would potentially require the relocation of frogs and consultation with the Service for such action is required. If

Last Revised: January 2020

relocation is proposed, a capture and relocation protocol should be developed and sent to the Service for evaluation before the project starts. Capture and relocation of frogs should be conducted only by qualified personnel avoiding harming, injury or killing individuals.

8. A before and after photographic record of the project area should be established. In addition, a record of all coquí guajón detections, including date, time, location, and approximate number of individuals should be established.
9. Projects must comply with all State laws and regulations. Also, contact PRDNER for further guidance.

If you have any questions regarding the comments above, please contact the Service Monday to Friday 8:00 am – 4:30 pm

- Marelisa Rivera, Deputy Field Supervisor
 - Email: marelisa_rivera@fws.gov
 - Office phone (786) 244-0081 or mobile (305) 304-1814
- José Cruz-Burgos, Endangered Species Coordinator
 - Email: jose_cruz-burgos@fws.gov
 - Office phone (786) 244-0081 or mobile (305) 304-1386

General Project Design Guidelines - Guajon and 1 more species

Published by Caribbean Ecological Services Field Office for the following species included in your project

Guajon *Eleutherodactylus cooki*

Puerto Rican Boa *Chilabothrus inornatus*



U.S. FISH AND WILDLIFE SERVICE CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

Conservation Measures for the Puerto Rican boa (*Chilabothrus inornatus*)

Section 7 (a)(1) of the Endangered Species Act (ESA) charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies, through consultation with the U.S. Fish and Wildlife Service (Service), to ensure their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats. Section 7 applies to the management of Federal lands as well as Federal actions that may affect listed species, such as Federal approval of private activities through the issuance of Federal funding, permits, licenses, or other actions. Any person that injures, captures, or kills a Puerto Rico boa is subject to penalties under the ESA. If Federal funds or permits are needed, the funding or permitting agency should initiate Section 7 consultation with the Service. To initiate a consultation under the Section 7 of the ESA, you must submit a project package with the established minimum requirements. These conservation measures should be incorporated into the project plans to minimize possible impacts to the species.

The endangered Puerto Rican (PR) boa (*Chilabothrus inornatus*, formerly *Epicrates inornatus*) is the largest endemic snake species that inhabits Puerto Rico. The PR boa is non-venomous and does not pose any life threatening danger to humans, but some individuals may try to bite if disturbed or during capture or handling. Its body color ranges from tan to dark brown with irregular diffuse marking on the dorsum, but some individuals lack marking and are uniformly dark. Juveniles may have a reddish color with more pronounced markings. In general, as they mature, their body color tends to darken.



The Puerto Rican boa was federally listed in 1970. Currently, the species has an island-wide distribution and occurs in a wide variety of habitat types ranging from wet montane to subtropical dry forest, and can be found from mature forest to areas with different degrees of human disturbance like roadsides or houses, especially if near their habitat in rural areas. This boa is considered mostly nocturnal, remaining less active, concealed or basking under the sun during the day.

The Service has developed the following conservation measures with the purpose of assisting others to avoid or minimize adverse effects to the PR boa and its habitat. These recommendations may be incorporated into new project plans and under certain circumstances into existing projects. Depending on the project, additional conservation measures can be implemented besides the ones presented in this document.

Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.
2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.
3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.
4. The PR boa is considered more active at night. Thus, in order to maximize its detection, the species should be searched at nights prior to habitat disturbance.
5. Once the area has been searched for PR boas, vegetation should first be cleared by hand to the maximum extent possible. Vegetation should be cut about one meter above ground prior to the use of heavy machinery for land clearing. Cutting vegetation by hand will allow boas present on site to move away on their own to adjacent available habitat. Any stone walls or naturally occurring rock piles must be carefully dismantled by hand as these are refuges for the snake. This will allow any boas present to vacate the site without injury.
6. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

7. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #6). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #: ((787) 724-5700, (787) 230-5550, (787) 771-1124). If immediate relocation is not an option, project-related activities at this area must stop until the boa moves out of harm's way on its own. Activities at other work sites, where no boas have been found after surveying the area, may continue.
8. If a PR boa is captured by the PRDNER, record the name of the PRDNER staff and information on where the PR boa will be taken. This information should be reported to the Service.
9. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #7). If not possible, the animal should be left alone until it leaves the vehicle on its own.
10. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
11. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #6). If the PR boa was accidentally? killed as part of the project actions, please include information on what conservation measures had been implemented and what actions that will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.
12. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

If you have any questions regarding the above conservation measures, please contact the Service:

- Marelisa Rivera, Deputy Field Supervisor
 - Email: marelisa_rivera@fws.gov
 - Office phone (786) 244-0081 or mobile (305) 304-1814
- José Cruz-Burgos, Endangered Species Coordinator
 - Email: jose_cruz-burgos@fws.gov
 - Office phone (786) 244-0081 or mobile (305) 304-1386

APPENDIX E

USFWS Consistency Letter



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (787) 834-1600 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:
Project code: 2023-0125952
Project Name: PR-RGRW-01109

September 07, 2023

Subject: Consistency letter for the project named 'PR-RGRW-01109' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On September 07, 2023, Susan Fischer used the Caribbean DKey; dated February 08, 2023, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-RGRW-01109'. The project is located in Humacao County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.140726049999998,-65.85174371980588,14z>



The following description was provided for the project 'PR-RGRW-01109':

Cattle trap installation (20' x 50')

Based on your answers and the assistance of the Service's Caribbean DKey, you made the following effect determination(s) for the proposed Action:

Species	Listing Status	Determination
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	Endangered	May affect

Consultation with the Service is not complete. Further consultation with the Caribbean Ecological Services office is required for those species with a determination of "may affect" listed above. Please contact the Caribbean Ecological Services office to discuss methods to avoid or minimize potential adverse effects to those species.

We appreciate your interest in protecting endangered species and their habitats. It is the Service's mission to work with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of our people. If you have any questions or require additional information, please contact our office at Caribbean_es@fws.gov.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

PR-RGRW-01109

2. Description

The following description was provided for the project 'PR-RGRW-01109':

Cattle trap installation (20' x 50')

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.140726049999998,-65.85174371980588,14z>



QUALIFICATION INTERVIEW

1. Is the proposed project an EPA Multi-Sector General Permit (MSGP) renewal for an existing project? ([MSGP Fact Sheet](#))

No

2. Is the proposed project within an urban developed area? (i.e., cities, downtowns, etc.)

No

3. Does the proposed project consist of rehabilitation or demolition of existing single-family homes and buildings?

No

4. Does the proposed project consist of improvements to existing facilities?

Note: Examples of facilities are occupied single family homes, and buildings; existing recreational facilities, including the installation of roofs to existing basketball courts, etc.

No

5. Does the proposed project consist of repavement or repair of existing roads and installing transit signage or guardrails?

No

6. Does the proposed project consist of the construction of gutters and/or sidewalks along existing roads, and developments?

No

7. Does the proposed project consist of replacement or repair of existing bridges which include cutting vegetation or earth movement?

No

8. Does the proposed project consist of activities within existing Right of Ways (ROWs) along roads which include cutting vegetation or earth movement?

No

9. Is the proposed project located within a rural area covered by grassland (pasture lands "pastos")?

No

10. Is the proposed project adjacent or within a forested area?

Note: Examples of immediately adjacent to forested areas are rock walls and haystack hills ("mogotes"), wet montane forest, lowland wet forest, remnant coastal, mangrove forest, damp and dry limestone karst forests, pastureland with patches of exotic trees.

Yes

11. Is the project area more than 1 acre?

No

12. Is the proposed project an existing facility or the expansion of an existing facility within the footprint of the already developed area?

No

13. Is the proposed project a new facility which would require earth moving, vegetation clearing, or debris removal using heavy machinery, the use of staging areas, construction of temporary access roads?

No

14. [Hidden Semantic] Does the proposed project intersect the Puerto Rican boa area of influence?

Automatically answered

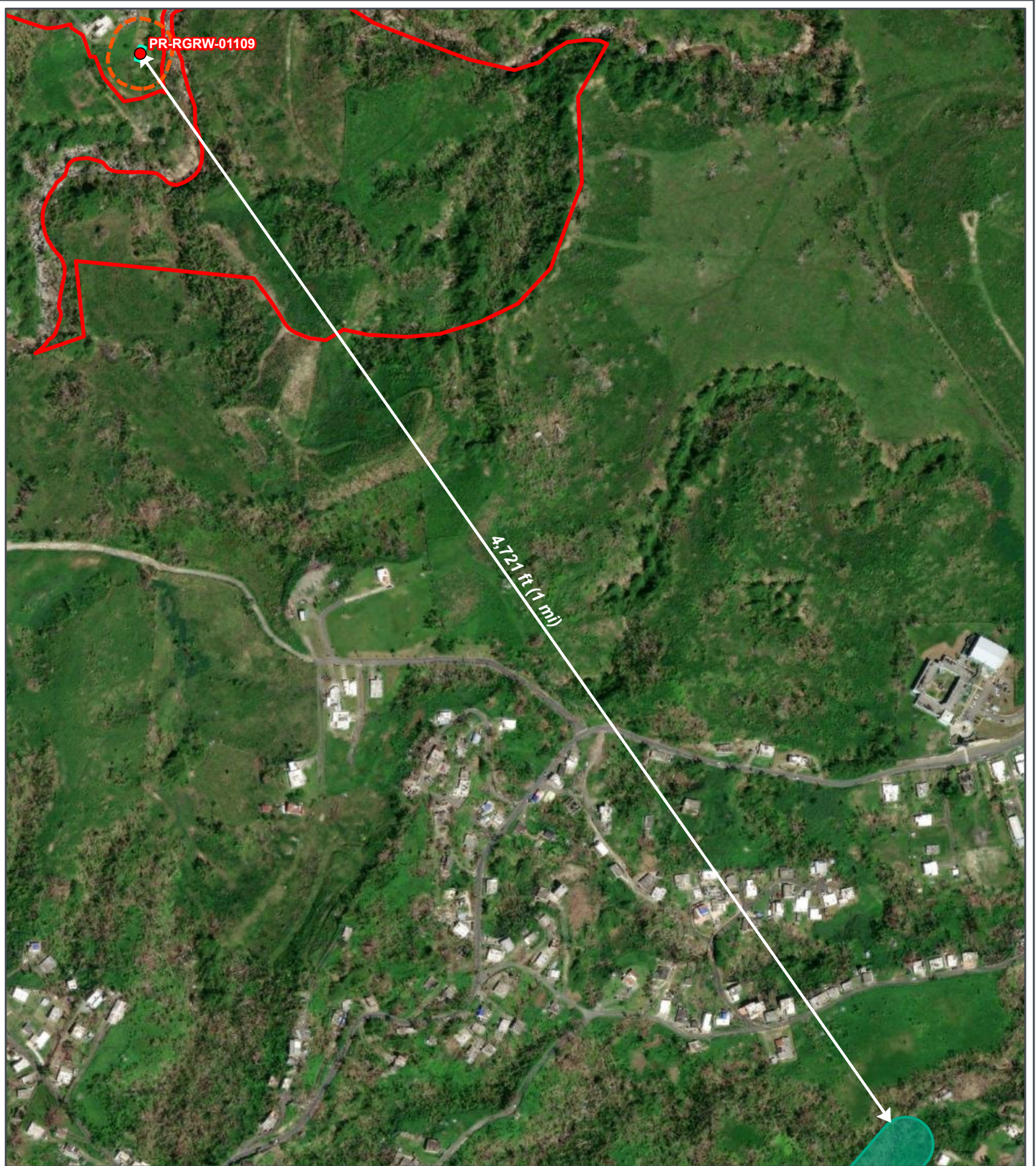
Yes

IPAC USER CONTACT INFORMATION

Agency: SWCA Environmental Consultants
Name: Susan Fischer
Address: 10245 West Little York Road
Address Line 2: Suite 600
City: Houston
State: TX
Zip: 77040
Email: susan.fischer@swca.com
Phone: 3463881157

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



REGROW PROGRAM

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

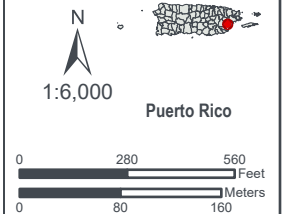
Applicant ID: PR-RGRW-01109



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

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.847874°W 18.135428°N

Data Source: https://services.arcgis.com/QVENGdaPbd4LUkLV/arcgis/rest/services/USFWS_Critical_Habitat/Base_Map/ESRI/ArcGIS/Online,
accessed July 2024
Updated: 7/1/2024
Layout: Critical Habitat
Aprx: 72428_ReGrowTier2Maps



ENVIRONMENTAL MEMORANDUM

Date: 7/1/2024

To: Environmental Review Record (ERR) File

Subject: Explanation of Conflicting Information within the ERR

Applicant Name: Juan Francisco Ortiz Delgado

Application Number: PR-RGRW-01109

This memorandum serves to provide an explanation as to the presence of conflicting pieces of information within the Environmental Review Record (ERR) file.

Confliction Information: Coordinates Address Municipio Parcel ID/Cadaster Number
 Construction Date Applicant Name Other: One preferred
project location activity instead of two

Location(s) of Conflicting Information: Endangered Species and Historic Preservation sections

Explanation: The second location for project activities was not necessary so the ERR was revised to reflect only the preferred option.

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.

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 new construction of a cattle trap. 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.*

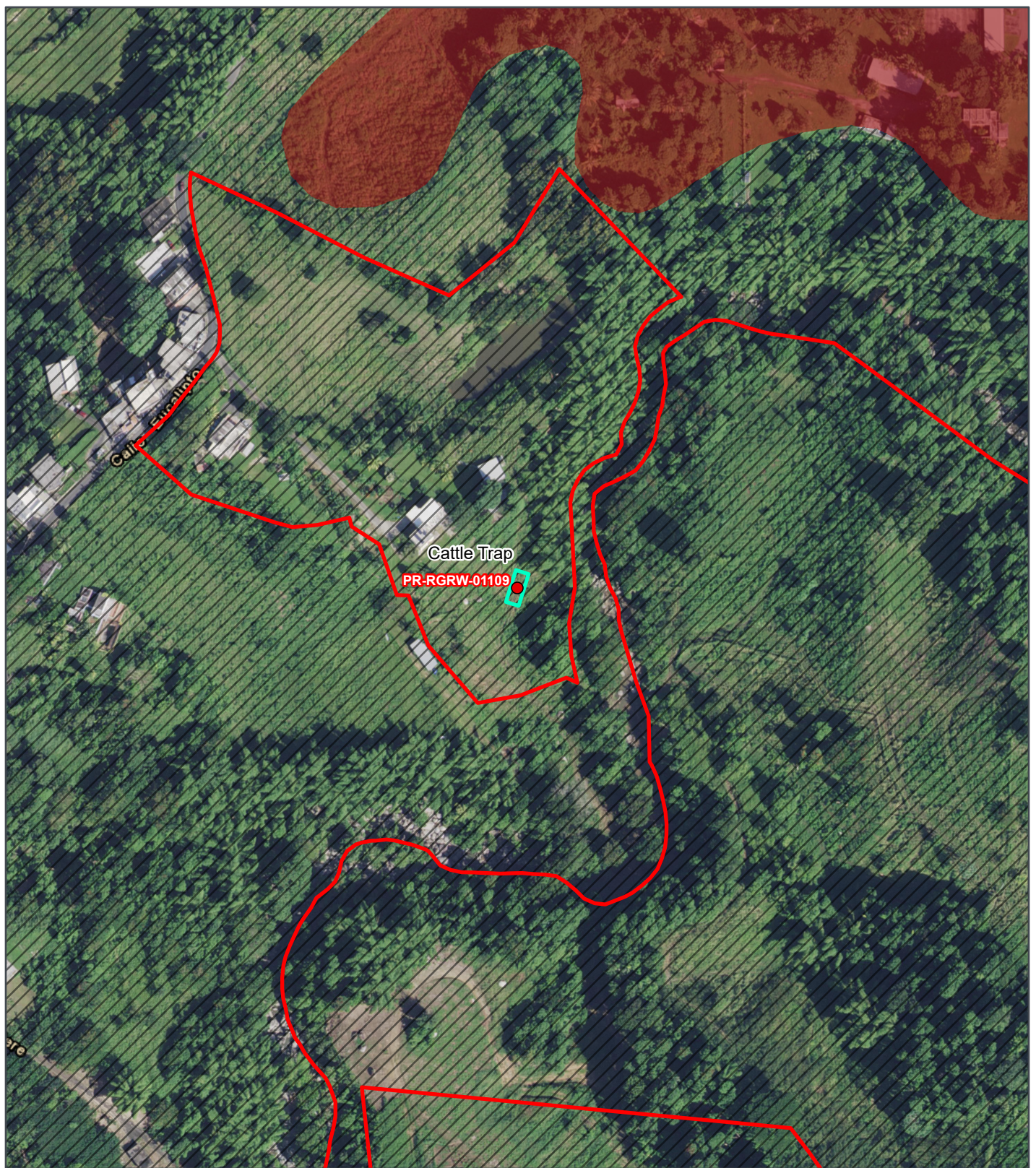
Worksheet Summary

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.

This project does not include any activities that could potentially convert agricultural land to non-agricultural use. Per the USGS/NRCS Web Soil Survey, the project area crosses one mapped soil series: PaE2 – Pandura loam, 12 to 40 percent slopes. 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 on-farm structures 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-01109



- 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

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.851765°W 18.140758°N

N

1:2,500

Puerto Rico

0 110 220 Feet
0 30 60 Meters

Data Source: <https://websitesurvey.nrcs.usda.gov/app/>
Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/1/2024
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

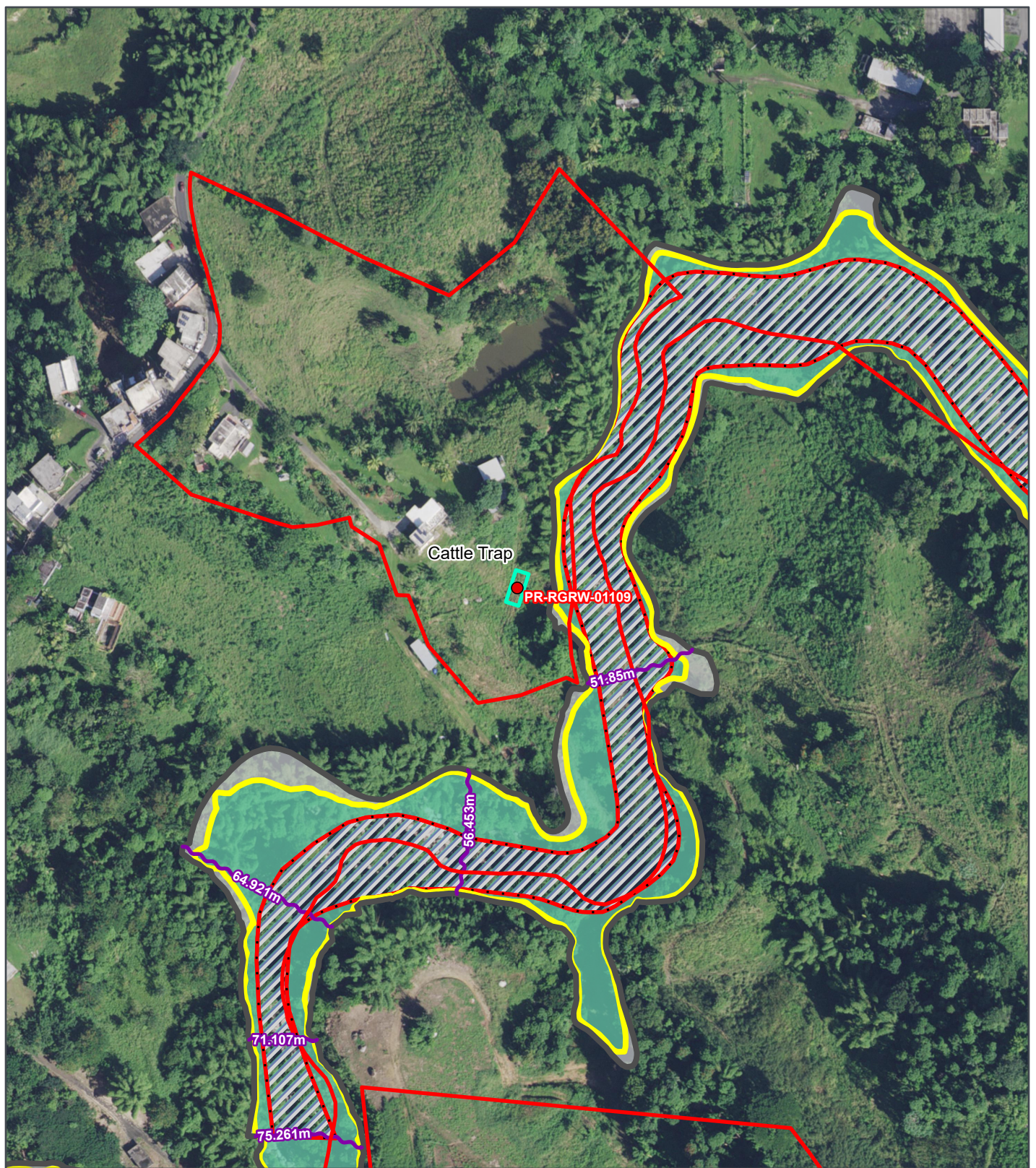
Include all documentation supporting your findings in your submission to HUD.

A review of the Advisory Base Flood Elevation (ABFE) map, Community Panel 7200C1265J (effective date 11/18/2009), shows the project site is in Flood Zone X. There are parts of the property that are in Zone AE but the project footprint is not within that zone. 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.

PFIRMs in Puerto Rico were only developed for certain sections of the municipalities of Carolina, Canovanas, Loiza, San Juan and Trujillo Alto. The proposed project is located in the municipality of Humacao; therefore, PFIRM information was not available for the area and therefore not considered in the review.

HUD implemented new floodplain regulations under 89 FR 30850 effective June 24, 2024 which created the Federal Flood Risk Management Standard (FFRMS). The project area lies outside of the 0.2-Percent-Annual-Chance (500-Year) Flood Approach:

The current project comprises non-critical actions that lie outside the 0.2-percent-annual-chance (500-year flood elevation), which is the approach used for this project to comply with the FFRMS.



REGROW PROGRAM

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

Applicant ID: PR-RGRW-01109

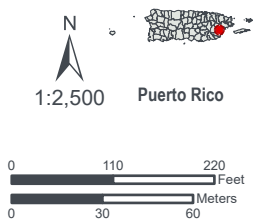


- Site
- Site Parcel
- Project Footprint (Option)
- Advisory Base Flood Elevation (ABFE)
- 0.2% Annual Chance Flood
- 1% Annual Chance Flood
- Zone A
- Zone AE
- Coastal A Zone
- Zone AE-Floodway
- Zone AO
- Zone VE
- Zone X (500-year floodplain)
- Zone/BFE Boundary

Carr 908 Km 2.3 Calle Eucalipto, Bo Tejas Humacao, Puerto Rico 00791

Parcel ID: 304-000-002-26-001
Center of Map:
65.851765°W 18.140758°N

Data Source: https://gis.fema.gov/arcgis/rest/services/DR/PuertoRico_ABFE_1PCT/MapServer
Base Map: USA NAIIP Imagery
Imagery Year: 2022
Updated: 7/11/2024
Layout: ABFE 1Pct
Aprx: 72428_ReGrowTier2Maps



Attachment 11
Historic Preservation Partner Worksheet
and SHPO Consultation



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:

The project will involve new construction of cattle trap (cepo) on a previously disturbed property. State Historic Preservation Office (SHPO) consultation was performed.

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

A site visit was conducted on July 24, 2023 by an SOI-qualified Archaeologist. Record reviews and research were conducted at the SHPO and the Instituto de Cultura Puertorriqueña (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 are no historic properties or cultural resources 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 October 16, 2023, and SHPO concurred with the No Historic Properties Affected determination on November 28, 2023.

→ *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:

Click here to enter text.

→ *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.

Click here to enter text.

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.

[Click here to enter text.](#)

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.

[Click here to enter text.](#)

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

November 28, 2023

Lauren Bair Poche
HORNE
10000 Perkins Rowe, Suite 610, Bldg G
Baton Rouge, LA 70810

SHPO: 11-22-23-07 PR-RGRW-01109 JUAN FRANCISCO ORTIZ DELGADO, CARR. 908
KM. 2.3 CALLE EUCALIPTO BO. TEJAS, HUMACAO, PUERTO RICO

Dear Ms. Poche,

Our Office has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the *National Historic Preservation Act, as amended*) and 36 CFR Part 800: *Protection of Historic Properties* from the Advisory Council on Historic Preservation. The State Historic Preservation Officer (SHPO) is to advise and assist federal agencies and other responsible entities when identifying historic properties, assessing effects upon them, and considering alternatives to avoid or reduce the project's effects.

Our records support your finding of **no historic properties affected** within the project's area of potential effects.

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

Sincerely,

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



October 16, 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-01109 – Juan Francisco Ortiz Delgado – Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, 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). 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, HORNE is submitting documentation for activities proposed by Juan Francisco Ortiz Delgado located at Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, in the municipality of Humacao. The undertaking for this project includes the purchase of a cattle trap (cepo), as well as various moveable agricultural equipment including a utility vehicle, a plow, a furrow, and a sprayer. The cattle trap will be installed in one of two proposed locations and will measure 50 feet (ft) by 20 ft. Hardwood posts will be installed in the four corners, three more posts for the gates, and three in-between the corners, one on each wall, totaling ten posts for the project. The posts will result in ground disturbance to a maximum depth of 2 ft. It is projected that some vegetation pruning will be necessary to install at either location as well as mowing low lying grasses; however, no tree clearing is required.

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: Juan Francisco Ortiz Delgado		
Case ID: PR-RGRW-01109		City: Humacao


Project Location: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, Puerto Rico, 00791	
Project Coordinates (as provided by the applicant during field visit): Cattle trap (cepo) Option 1: 18.140758, -65.851765 Cattle trap (cepo) Option 2: 18.140399, -65.851635	
TPID (Número de Catastro): 304-000-002-26-001	
Type of Undertaking: <input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): Applicant's house ca. 1980	Property Size (acres): Total Parcel: 47.03 acres Cattle trap (Cepo) Option 1 and 2: 0.023 acres (1000 sq. ft.)

SOI-Qualified Architect/Architectural Historian: Erin Edwards, M.P.S.
Date Reviewed: September 15, 2023
SOI-Qualified Archaeologist: Delise Torres Ortiz, M.A.
Date Reviewed: September 20, 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 project for PR-RGRW-01109 includes the purchase of a cattle trap (cepo), as well as various moveable agricultural equipment including a utility vehicle, a plow, a furrow, and a sprayer. The use of the cattle trap is to hold the cows safely in a confined space for routine care and medical treatment. The cattle trap will be 50 feet (ft) by 20 ft. The posts will result in ground disturbance to a maximum depth of 2 ft. There are two proposed locations for the cattle trap to be installed, both located in the northwest portion of the parcel with Cepo Option 1 north northwest of Cepo Option 2 which is located along the west central parcel boundary. Hardwood posts will be installed in the four corners, three more posts for the gates, and three in-between the corners, one on each wall, totaling ten posts for the project. The walls will be made from heavy duty cloth and reinforced by pipes. There are no additional workspaces or construction work areas needed and the project does not require utility connection to electricity or water. It is projected that some vegetation pruning will be necessary to install at either location as well as mowing low lying grasses. The equipment that will be purchased by the applicant as listed in the Intended Use of Grant Funds falls under the "categorically excluded, not subject to (CENST)" category under HUD

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: Juan Francisco Ortiz Delgado	
Case ID: PR-RGRW-01109	City: Humacao

guidelines (24 CFR 58.35(b) (4)). No tree clearing is required for construction, and the project will have minimal ground disturbance. The applicant owns the property and currently uses it for agricultural use; therefore, no acquisition or conversion 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 cepto 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 records at the SHPO and the Instituto de Cultura Puertorriqueña (ICP) which shows that there are two reported archaeological materials or significant cultural properties within a half mile (mi) radius of the project location, which were recorded as a result of three archaeological surveys. The closest archaeological survey is ICP-CAT-HC-93-07-03 which is located 335 ft (102.18 meters [m]) north of the parcel boundary. This survey was conducted in 1991 by Ethel V. Schlafer Roman for Finca Smith. There were positive findings for archaeological materials as a result of this survey. Survey ICP-CAT-HC-86-01-02 is located 0.5 mi to the northeast. This study was conducted in 1986 by Antonio Daubon Vidal for Basora-Rodriguez & Asociados Ingenieros Consultores. This study resulted in negative findings for archaeological materials. Lastly, ICP-CAT-HC-00-14-06 was conducted 0.5 mi to the east by Jaime G. Velez. This study was conducted for Desarrollos Agricolas Del Este, SE and resulted in positive findings for archaeological materials.

The proposed project is in an actively farmed agricultural setting within the foothills of the eastern coastal plain at an elevation of about 225 ft (68.58 m) above mean sea level . Per the USGS/NRCS Web Soil Survey, the project area and the APE crosses just one mapped soil series: PaE2 – Pandura loam, 12 to 40 percent slopes.

The general project area is located west of the Humacao urban landscape on several low, rolling hills that form part of a local zone of piedmont topography relative to larger areas of


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: Juan Francisco Ortiz Delgado	
Case ID: PR-RGRW-01109	City: Humacao

more pronounced relief and higher elevation to the west and south. The closest freshwater source per USGS water data files is an unnamed tributary of the Rio Humacao which bisects the project area. The nearest coastline is located 4.6 mi (7.37 km) east southeast 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 a National Register of Historic Places (NRHP)-eligible or listed Traditional Urban Center or Historic District. There are no historic properties within a half mi of the property site. The closest survey is Código 12-19-13-02 for the repair of housing using CDBG funds in 2014. There were three sites surveyed, and the closest one to the project site (12-19-13-02a) was 0.26 mi to the southwest. The other two houses surveyed were 0.44 mi to the northwest (12-19-13-02b), and 0.48 mi to the northwest (12-19-13-02c) of the project site. All three had a no historic properties finding returned for this survey within the 0.50 mi review area. Several archaeological surveys were undertaken in the area and are discussed in greater detail in the archaeology section, but ICP-CAT-HC-00-14-06 and ICP-CAT-HC-93-07-03 had positive findings, and ICP-CAT-HC-86-01-02 had negative findings. These three ICP reports are for sites within the 0.50 mi review area.

The project area is in a suburban area of Humacao, directly west of Humacao city. The area is mountainous with dense tropical vegetation. The project sites sit in an area of low, rolling hills that form part of a local zone of piedmont topography relative to larger areas of more pronounced relief and higher elevation to the west and south. Housing and buildings are to the west and northeast of the project site. Historic aerials from 1959 (<https://www.historicaerials.com/viewer>) show one building on the property and one barn next to the property on the west. These buildings do not appear on current aerials. Current aerials from Google Earth show the applicant's house and two small outbuildings that date to the 1980s. The applicant provided a date of construction for the owner's house and outbuildings of 1980 which appear consistent with the form and construction materials used.

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: Juan Francisco Ortiz Delgado	
Case ID: PR-RGRW-01109	City: Humacao


As the project site sits in a valley between two ridges, the housing to the west and northeast will not see the project area.

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. Three archaeological surveys were undertaken within the 0.5 mi search radius. ICP-CAT-HC-00-14-06 and ICP-CAT-HC-93-07-03 had positive findings for archaeological materials, and ICP-CAT-HC-86-01-02 had negative findings. There are no reported significant cultural properties or NRHP listed/eligible historic properties within or adjacent to the property or the parcel in which the Area of Potential Effect of case PR-RGRW-01109 is located. Although the closest freshwater source per USGS water data files is an unnamed tributary of the Rio Humacao which bisects the project area, the size of the proposed project activities are small, 0.023 acres (1000 sq. ft.), and construction of private roads, residential structures and agricultural infrastructure to the west and northeast have impacted the surrounding terrain. Therefore, no historic properties will be affected by the proposed project.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Juan Francisco Ortiz Delgado	
Case ID: PR-RGRW-01109	City: Humacao

Recommendation

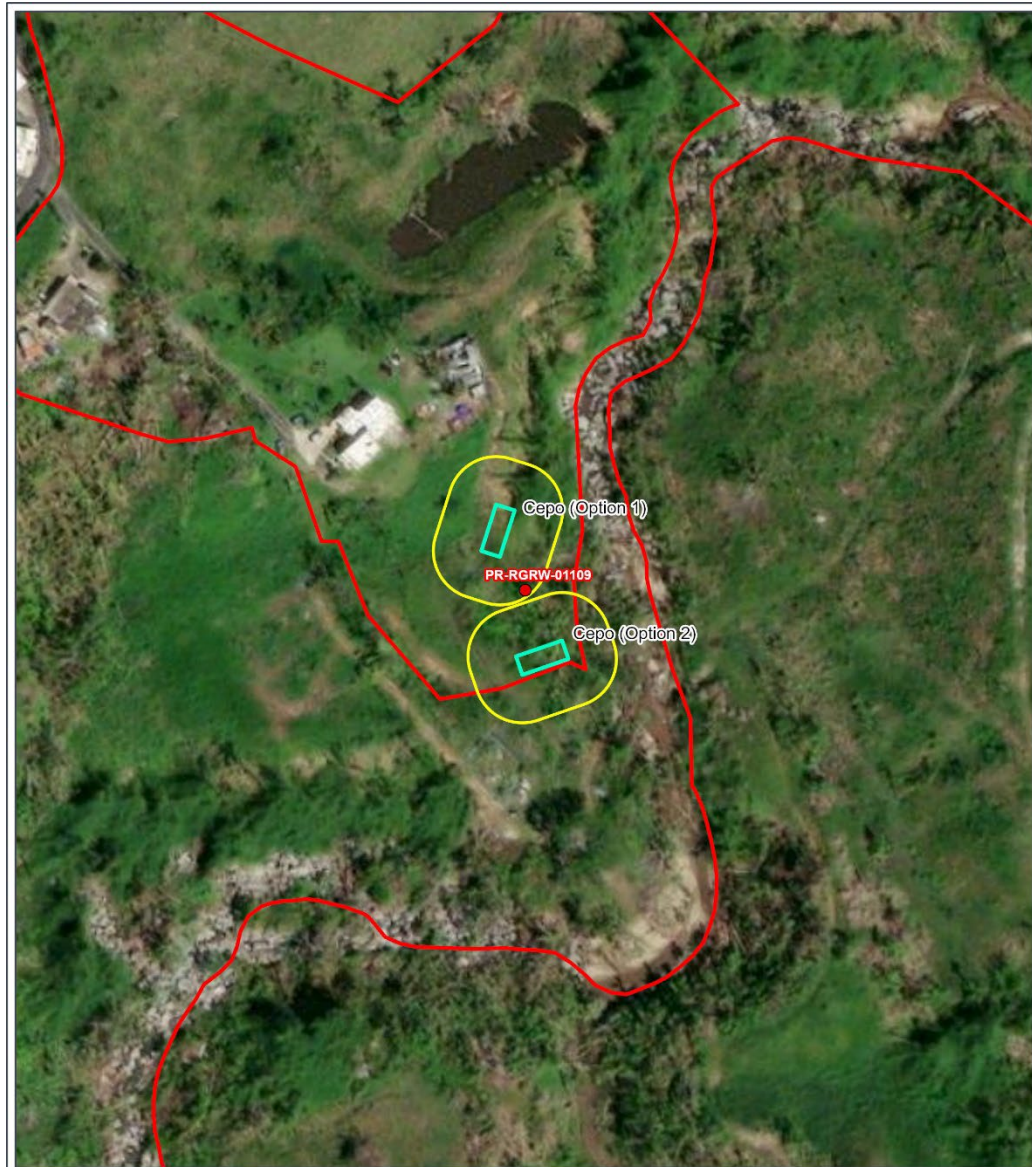
The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

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

This Section is to be Completed by SHPO Staff Only

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

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



REGROW PROGRAM

Project Location Area of Potential Effects (APE) Map

Applicant ID: PR-RGRW-01109



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

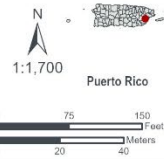
Carr 908 Km 2.3 Calle Eucalipto, Bo Tejas Humacao, Puerto Rico 00791

Parcel ID: 304-000-002-26-001

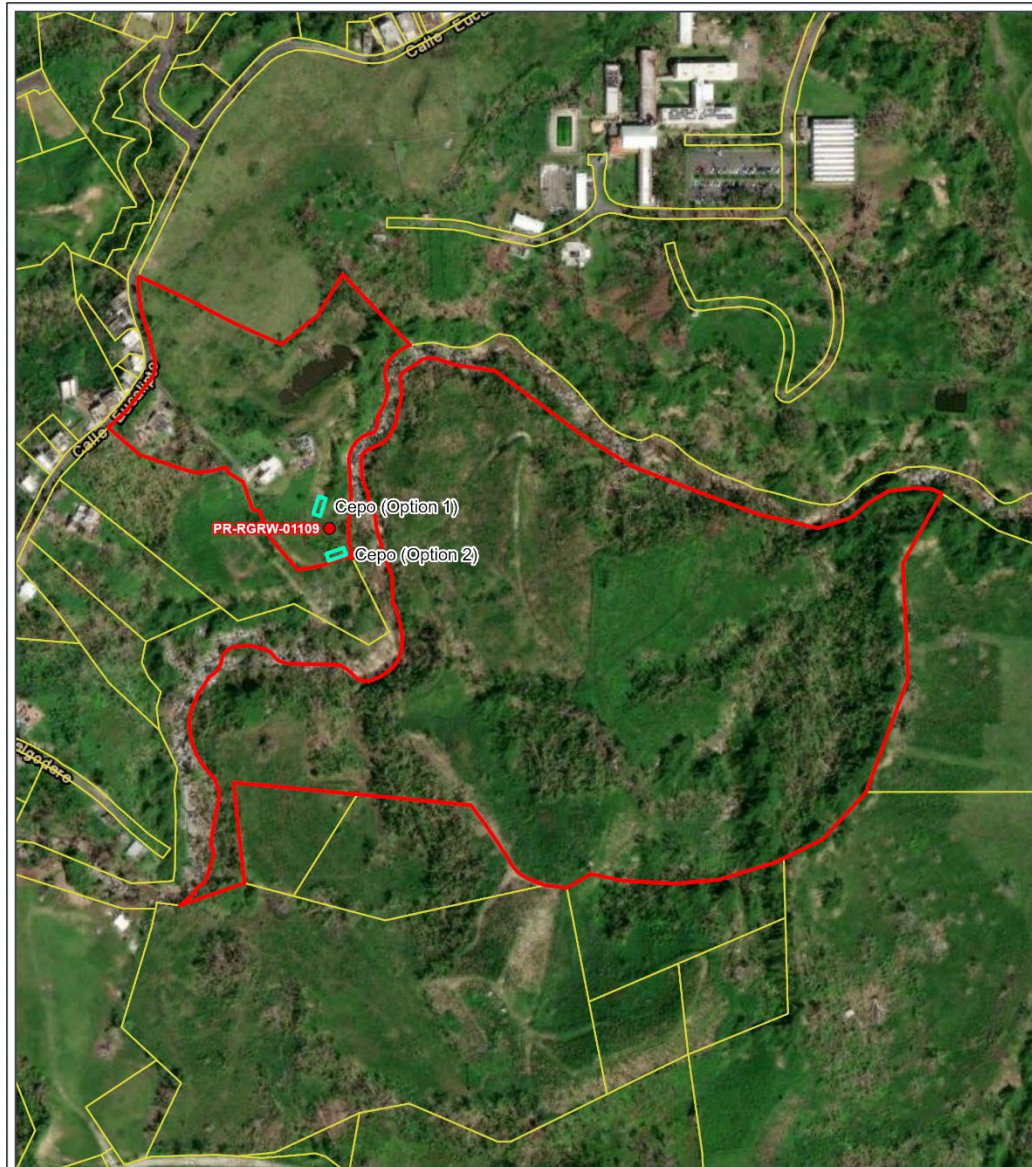
Parcel Center: 65.851686°W 18.14059°N

Base Map: ESRI ArcGIS Online, accessed July 2023, updated: 7/26/2023

Layout: APE Aprx: 72428_ReGrowTier2/Maps



Project (Parcel) Location - Aerial Map



REGROW PROGRAM

**Figure A-2:
Site Vicinity**

Applicant ID: PR-RGRW-01109

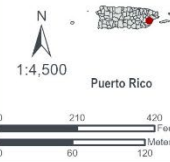


- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)

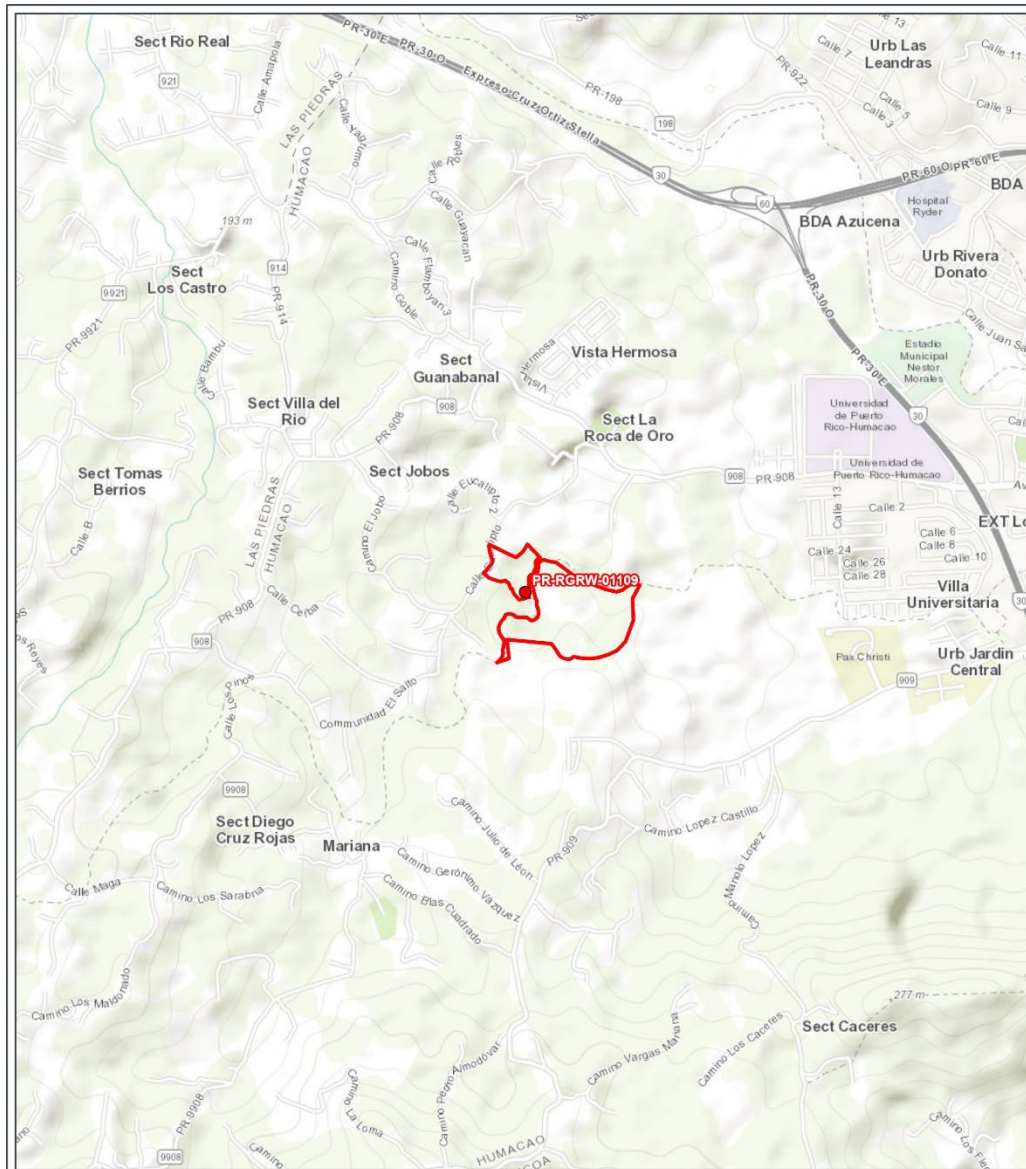
Carr 908 Km 2.3 Calle
Eucalipto, Bo Tejas
Humacao, Puerto Rico 00791

Parcel ID: 304-000-002-26-001
Parcel Center:
65.85016°W 18.140127°N

Base Map: ESRI ArcGIS Online,
accessed July 2023
Updated: 7/26/2023
Layout: Site Vicinity
Aprx: 72428_RegrowTier2Maps



Project (Parcel) Location - USGS Topographic Map



REGROW PROGRAM

**Figure A-1:
Site Location**

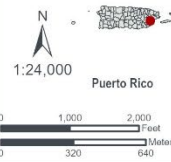
Applicant ID: PR-RGRW-01109



- Site
- ▭ Site Parcel

Carr 908 Km 2.3 Calle Eucalipto, Bo Tejas Humacao, Puerto Rico 00791

Parcel ID: 304-000-002-26-001 Parcel Center: 65.851686°W 18.14059°N



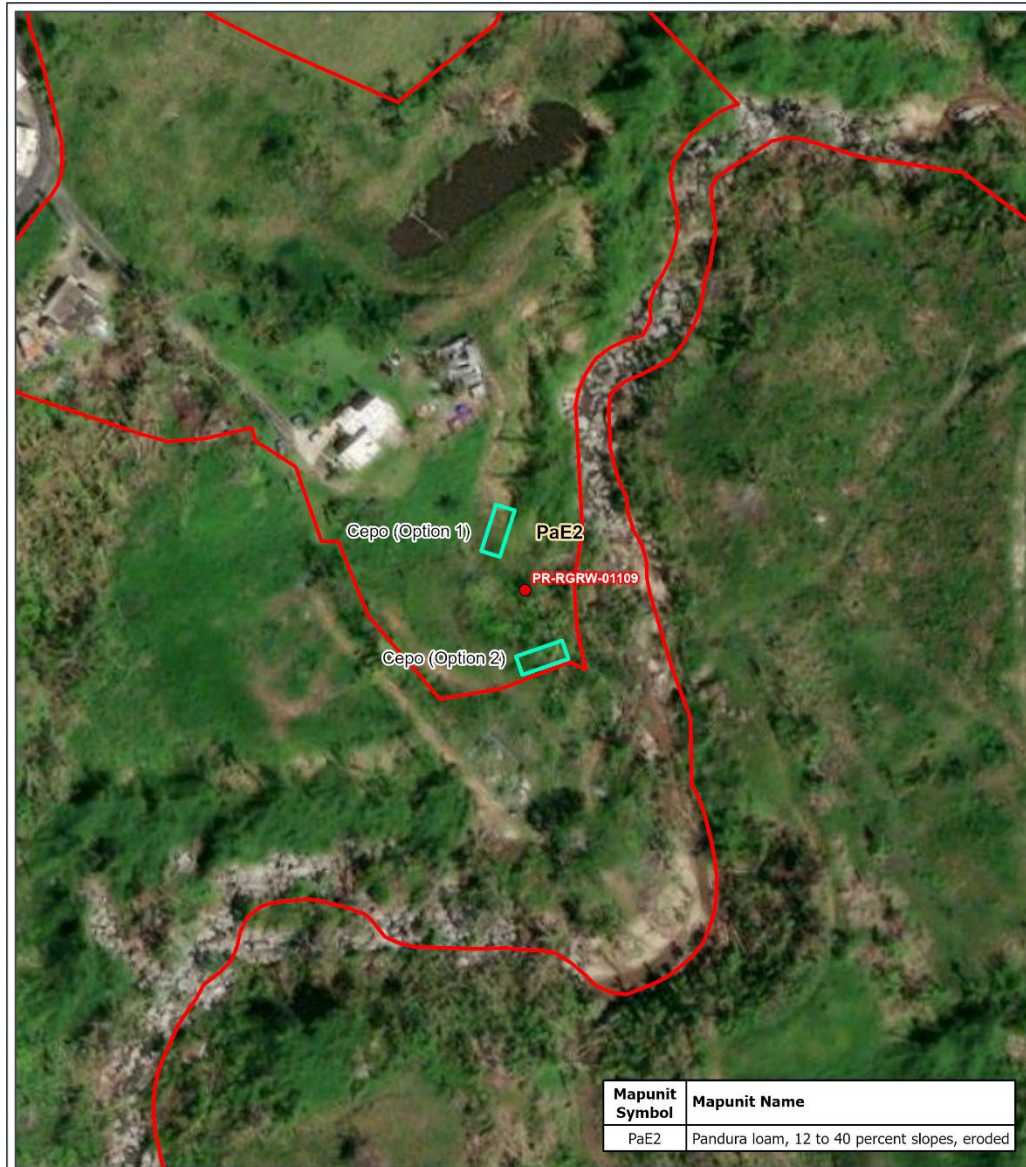
Base Map: ESRI ArcGIS Online, accessed July 2023, updated: 7/26/2023
Layout: Site Location
Apx: 72428_RegrowTier2Maps

Applicant: Juan Francisco Ortiz Delgado

Case ID: PR-RGRW-01109

City: Humacao

Project (Parcel) Location – Soils Map



Mapunit Symbol	Mapunit Name
PaE2	Pandura loam, 12 to 40 percent slopes, eroded

REGROW PROGRAM

USDA Soils Map

Applicant ID: PR-RGRW-01109



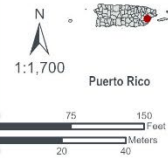
- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)
- ▭ Soil Mapunit

Carr 908 Km 2.3 Calle Eucalipto, Bo Tejas Humacao, Puerto Rico 00791

Parcel ID: 304-000-002-26-001

Parcel Center: 65.851686°W 18.14059°N

Data Source: <https://websoilsurvey.nrcs.usda.gov/app/>
Base Map: ESRI ArcGIS Online, accessed July 2023
Updated: 7/26/2023
Layout: Soils
Aprx: 72428_ReGrowTier2Maps

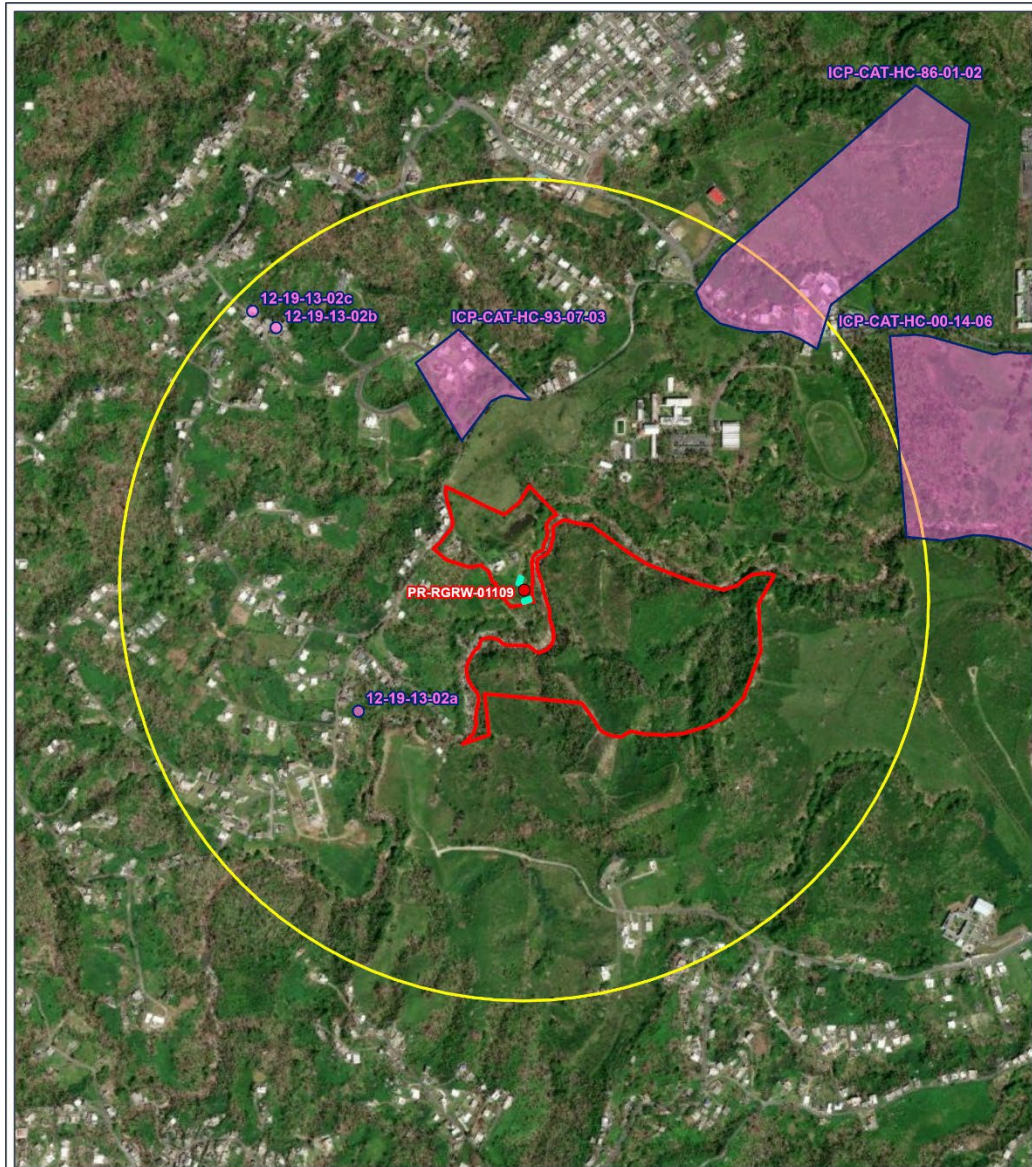


Applicant: Juan Francisco Ortiz Delgado

Case ID: PR-RGRW-01109

City: Humacao

Project (Parcel) Location with Previous Investigations - Aerial Map



REGROW PROGRAM

Previous Investigation Map

Applicant ID: PR-RGRW-01109



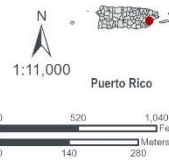
- Site
- Site Parcel
- Project Footprint (Option)
- Buffer (0.5-mile)
- Previously Recorded Survey
- MIPR Arqueologia
- Traditional Urban Centers

Carr 908 Km 2.3 Calle Eucalipto, Bo Tejas Humacao, Puerto Rico 00791

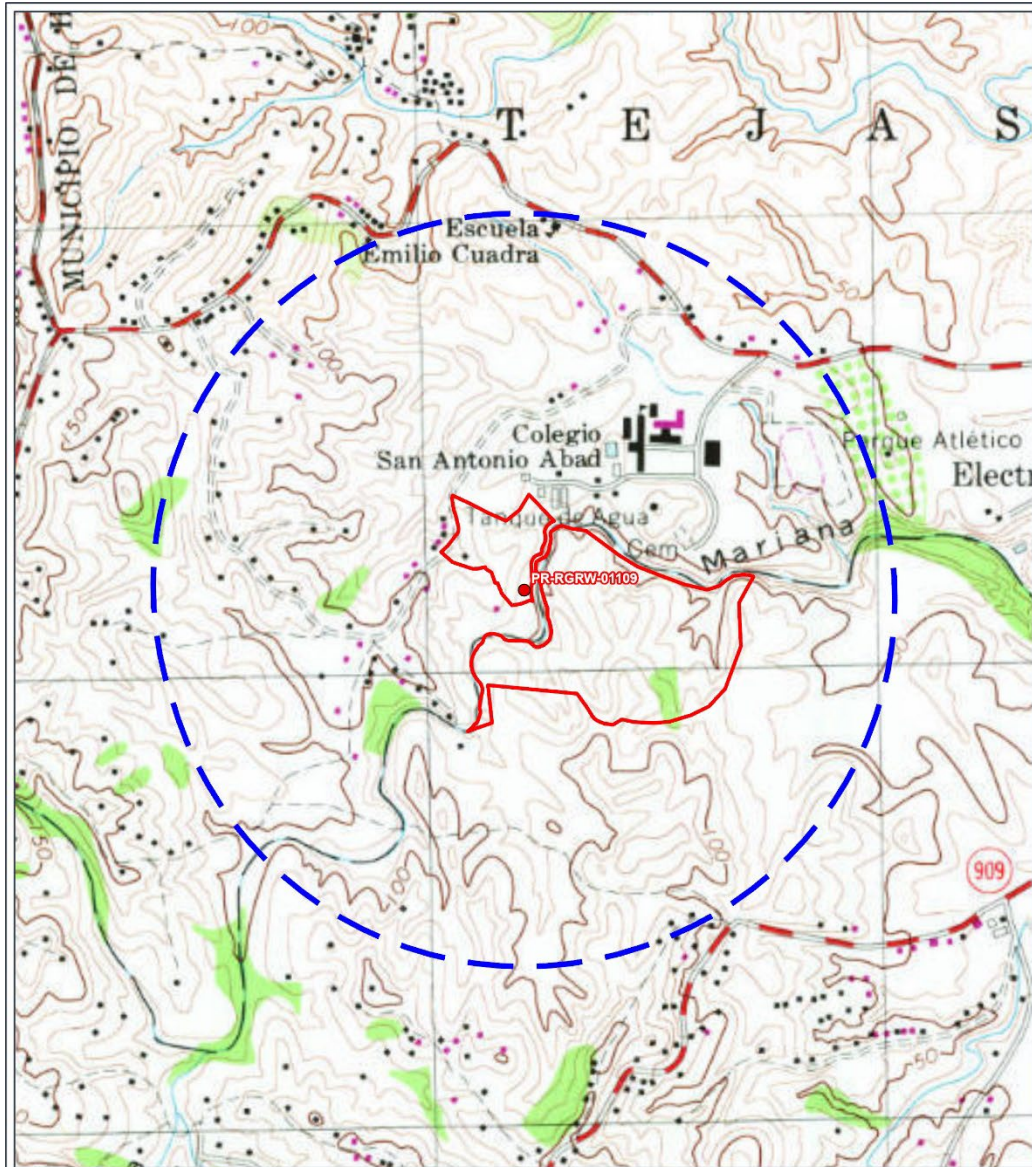
Parcel ID: 304-000-002-26-001
Parcel Center: 65.851686°W 18.14059°N

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

Base Map: ESRI ArcGIS Online, accessed August 2023
Updated: 2/16/2023
Layout: Previous Investigation Aprx: T2428_ReGrowTier2Maps



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



REGROW PROGRAM

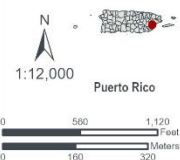
**Figure B 11-1:
Previously Recorded
Cultural Resources
Map**

Applicant ID: PR-RGRW-01109



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

Carr 908 Km 2.3 Calle Eucalipto, Bo Tejas Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001 Parcel Center: 65.851686°W 18.14059°N
Data Source: State Historic Preservation Office and Puerto Rico Institute of Culture
Base Map: ESRI ArcGIS Online, Accessed August 2023, Updated 8/16/2023
Layout: Cultural Resources Apr. 7/24/23, Re-Grow Tier 2 Maps



Applicant: Juan Francisco Ortiz Delgado

Case ID: PR-RGRW-01109

City: Humacao



Photograph Key



Applicant: Juan Francisco Ortiz Delgado

Case ID: PR-RGRW-01109



City: Humacao

<p>Photo #: 01</p>	<p>Date: 07/24/ 2023</p>	
<p>Photo Direction: Southeast</p>		
<p>Description: Overview of Option 1 and Option 2 of the site location for a fixed cattle trap or “cepo”, in Spanish, 50x20ft, 18 inches to 2ft deep; the photo was taken at the side of the applicant’s residence, and it shows the area’s vegetation.</p>		
<p>Photo #: 02</p>	<p>Date: 07/24/ 2023</p>	
<p>Photo Direction: North</p>		
<p>Description: This picture taken from the south corner of Option 1 overviews the site location for a fixed cattle trap (“cepo”) 50x20ft, 18 inches to 2ft deep, and it shows the area’s vegetation.</p>		

Applicant: Juan Francisco Ortiz Delgado

Case ID: PR-RGRW-01109

City: Humacao

<p>Photo #: 03</p>	<p>Date: 07/24/ 2023</p>	
<p>Photo Direction: Southeast</p>		
<p>Description: This picture taken from the northwest corner of Option 2 overviews the site location for a fixed cattle trap (“cepo”) 50x20ft, 18 inches to 2ft deep, and it shows the area’s vegetation, the dirt access road to this lower portion of the property, and the applicant’s residence.</p>		
<p>Photo #: 04</p>	<p>Date: 07/24/ 2023</p>	
<p>Photo Direction: Northwest</p>		
<p>Description: This picture is an overview of the applicant’s residence built around the 1990s from the site location and the area’s vegetation.</p>		

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Applicant: Juan Francisco Ortiz Delgado

Case ID: PR-RGRW-01109

City: Humacao

Photo #:
05

Date:
07/24/
2023

Photo Direction:

East

Description:

This picture is an overview of the applicant's residence taken from the main access road to the property built around the 1990s.





October 20, 2022

Arch. Carlos A. Rubio Cancela

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

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

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

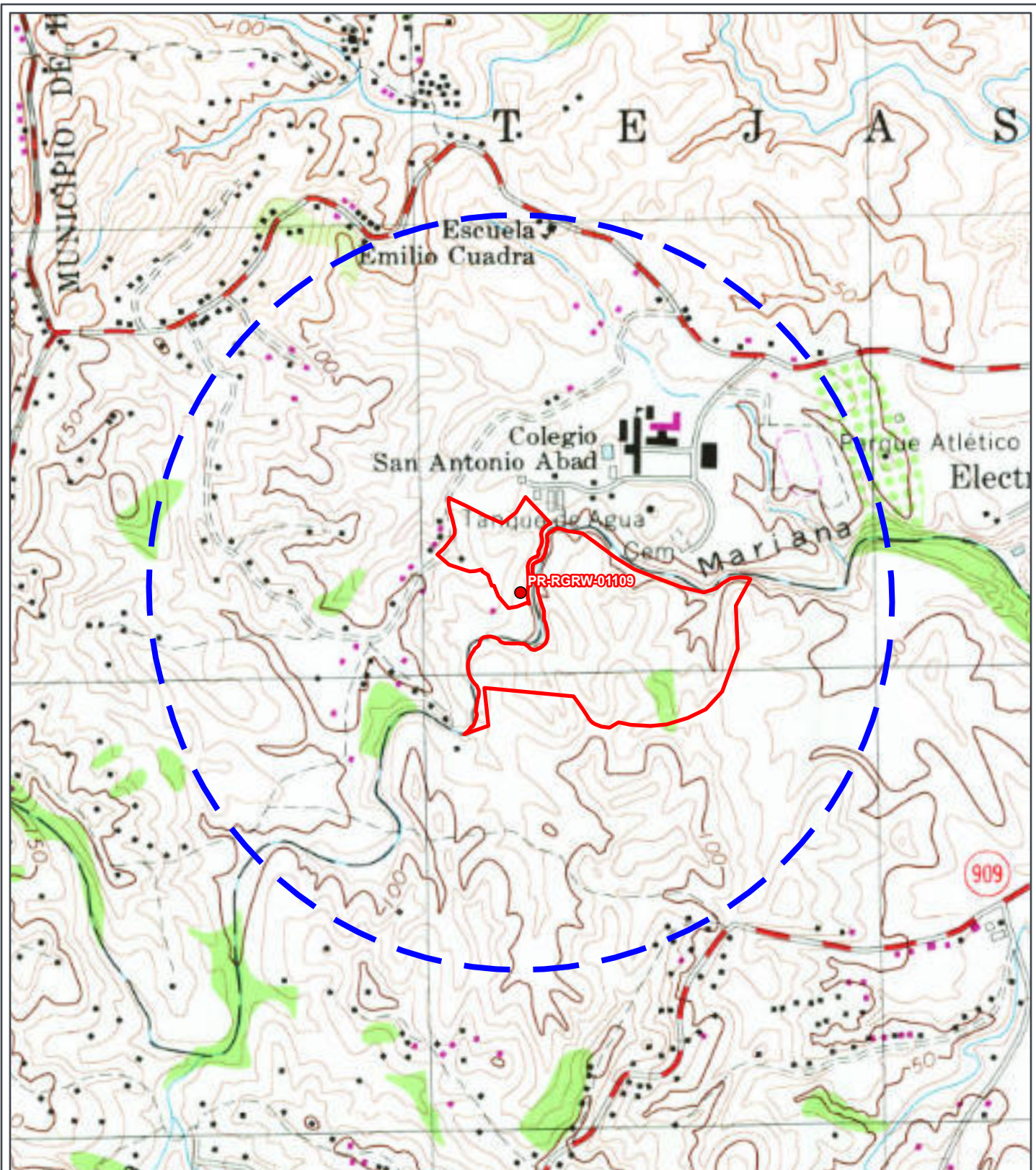
In line to expedite the processes, Horne Federal LLC, is authorized to submit to the State Historic Preservation Officer, documentation of projects related to both the CDBG-DR and CDBG-MIT on behalf of PRDOH.

Cordially,

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT



REGROW PROGRAM

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

Applicant ID: PR-RGRW-01109

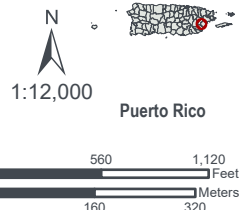


- Site
- Site Parcel
- Buffer (0.5-mile)
- ▲ Archaeological Site
- Historical Place
- ★ Historic Area Point
- ◆ JP Historical Sites
- National Register of Historic Places
- National Historic Landmark
- National Register of Historic Places
- Historic Community
- Historic District
- Arroyo Historic Zone
- 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

Carr 908 Km 2.3 Calle
Eucalipto, Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Parcel Center:
65.851686°W 18.14059°N

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

Base Map: ESRI ArcGIS Online,
accessed August 2023
Updated: 8/16/2023
Layout: Cultural Resources
Aprx: 72428_ReGrowTier2Maps



ENVIRONMENTAL MEMORANDUM

Date: 7/1/2024

To: Environmental Review Record (ERR) File

Subject: Explanation of Conflicting Information within the ERR

Applicant Name: Juan Francisco Ortiz Delgado

Application Number: PR-RGRW-01109

This memorandum serves to provide an explanation as to the presence of conflicting pieces of information within the Environmental Review Record (ERR) file.

Confliction Information: Coordinates Address Municipio Parcel ID/Cadaster Number
 Construction Date Applicant Name Other: One preferred
project location activity instead of two

Location(s) of Conflicting Information: Endangered Species and Historic Preservation sections

Explanation: The second location for project activities was not necessary so the ERR was revised to reflect only the preferred option.

Attachment 12
Wetlands Protection Partner Worksheet
and 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.

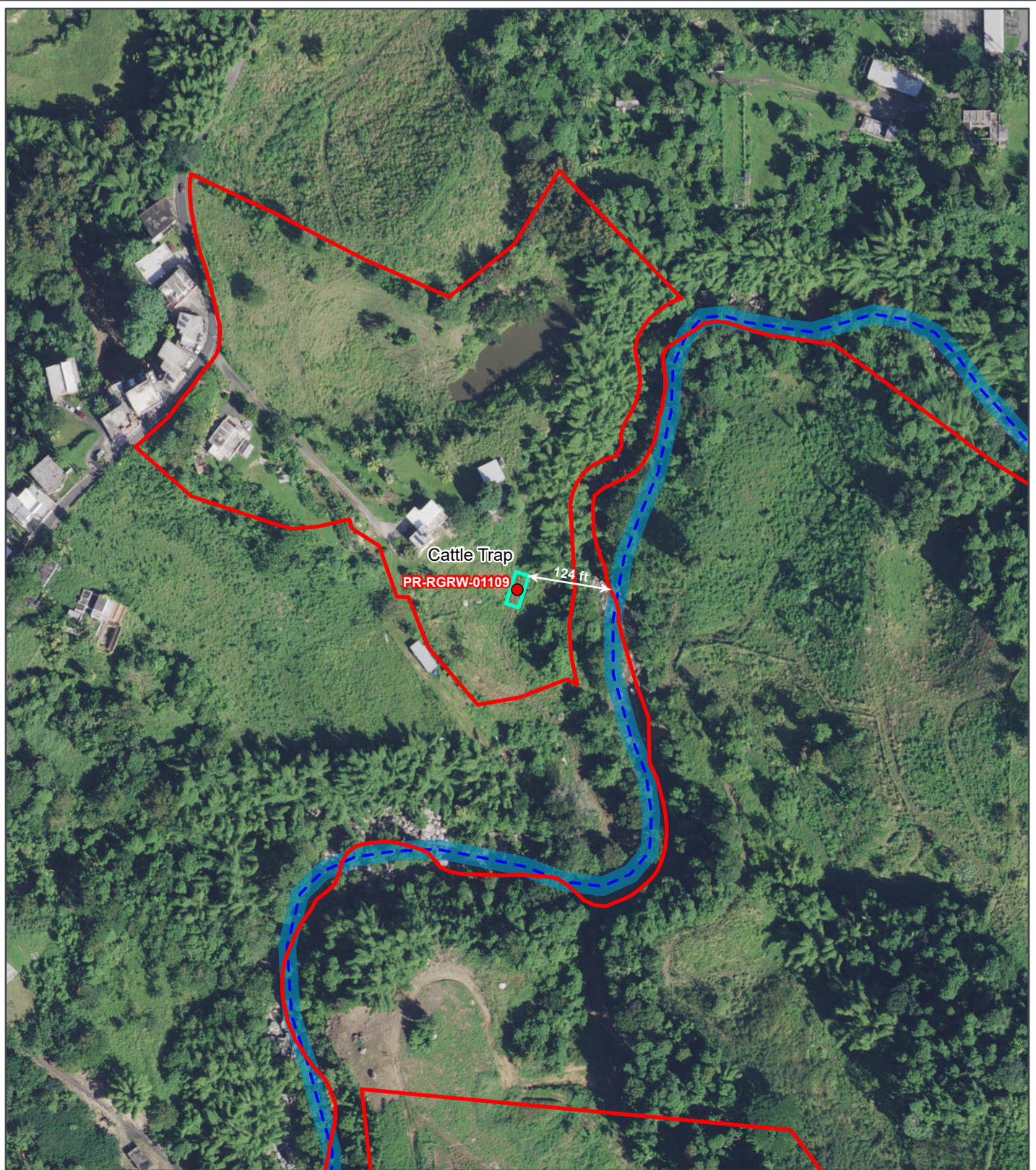
Worksheet Summary

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. The site inspection identified a stream that crosses through the parcel; at its closest point, the stream is approximately 124 feet from the cattle trap. The stream will not be impacted by the projects if BMPs, such as silt fencing and erosion control, are implemented during any ground-disturbing activities. No further evaluation is required.



REGROW PROGRAM

Figure B 13-1: Wetlands Protection Map

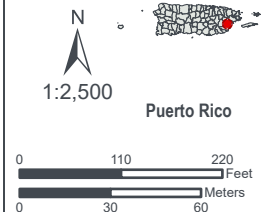
Applicant ID: PR-RGRW-01109



- 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

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Center of Map:
65.851765°W 18.140758°N

Data Source: <https://apps.nationalmap.gov/downloader/#/>
<https://www.fws.gov/program/national-wetlands-inventory/data-download>
Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/1/2024
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 Humacao Municipio. The closest Wild and Scenic River segment is located 41,031 feet (8 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 14-1:
National Wild and
Scenic River Map**

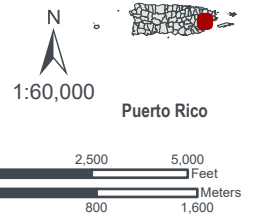
Applicant ID: PR-RGRW-01109



- Site
- National Wild and Scenic River

Carr 908 Km 2.3 Calle Eucalipto,
Bo Tejas
Humacao, Puerto Rico 00791
Parcel ID: 304-000-002-26-001
Parcel Center:
65.817856°W 18.187029°N

Data Source: https://apps.fs.usda.gov/arcx/rest/services/EDW/EDW_WildScenicRiverSegments_01/mapserver
Base Map: ESRI ArcGIS Online, accessed July 2024
Updated: 7/1/2024



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:

→ *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:

→ *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.

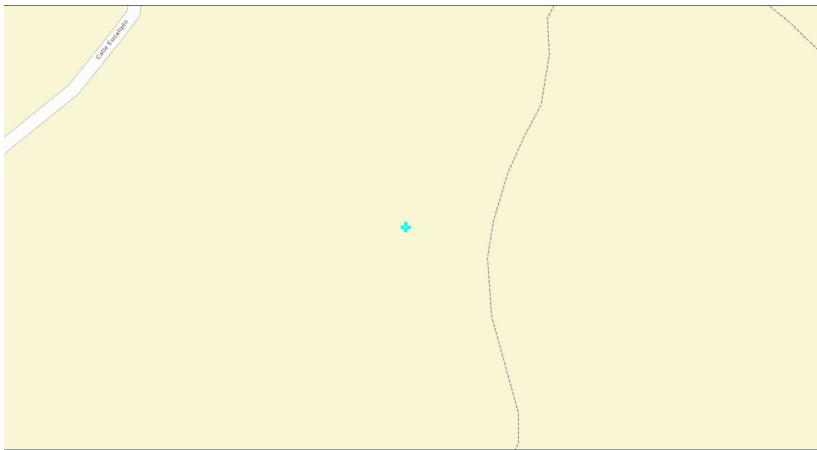
The ReGrow Program intends to alleviate negative economic impacts to, and strengthen, the agricultural industry in Puerto Rico. The project's direct and indirect impacts are limited to a small area on a single land parcel. The project will benefit the farm owner by improving agricultural use and production. The project would not facilitate development that would 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 Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Humacao Municipio, PR

1 mile Ring Centered at 18.140759,-65.851764
Population: 4,336
Area in square miles: 3.14

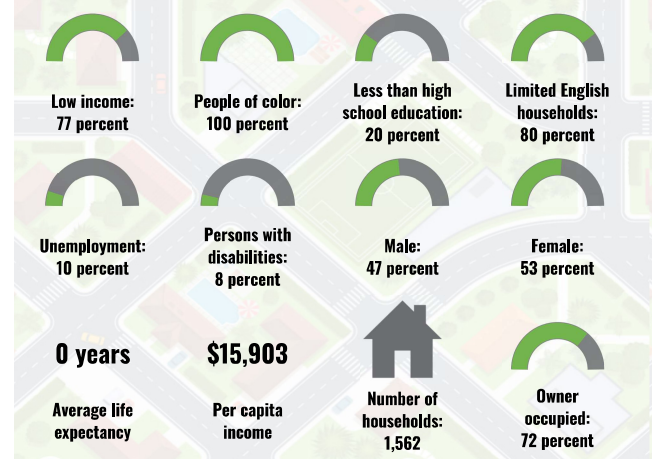


Jul 10, 2023
Search Result (point)

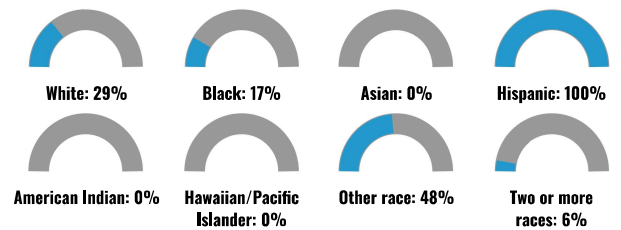
1:1,128
0 0.01 0.02 0.04 0.08 mi
0 0.02 0.04 0.08 km

Env. Community Maps Contributions: Env. HEPR, Germ. Francisco Saborido, GeoTechnology, Inc. METRADA, USGS, IHS, US Census Bureau.

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	4%
Spanish	96%
Total Non-English	96%

Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

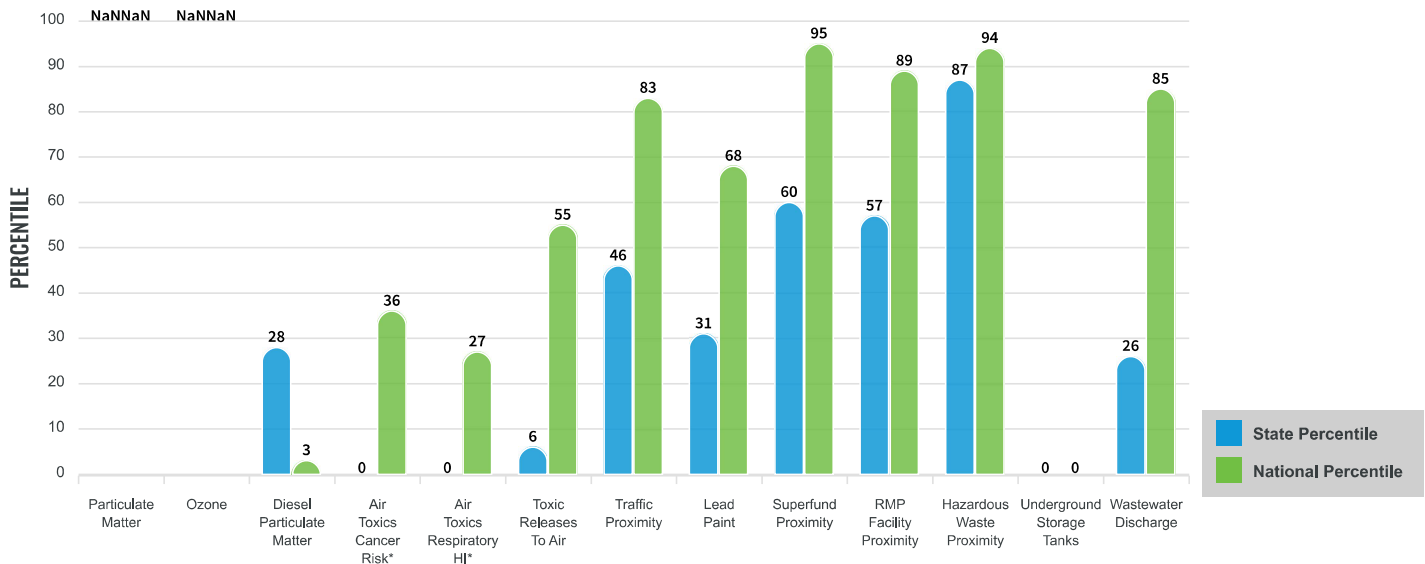
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

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.

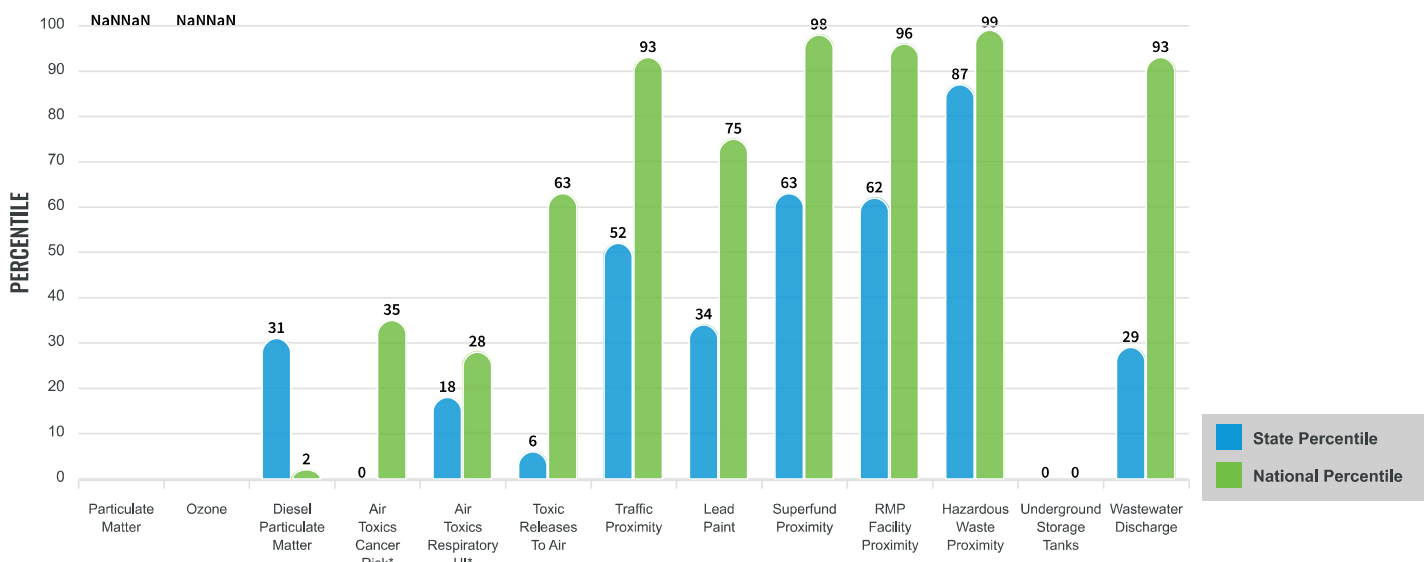
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 1 mile Ring Centered at 18,140759,-65.851764

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.08	N/A
Ozone (ppb)	N/A	N/A	N/A	61.6	N/A
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.0221	0.0667	29	0.261	1
Air Toxics Cancer Risk* (lifetime risk per million)	20	23	0	28	3
Air Toxics Respiratory HI*	0.13	0.19	0	0.31	1
Toxic Releases to Air	43	4,300	5	4,600	16
Traffic Proximity (daily traffic count/distance to road)	75	180	50	210	49
Lead Paint (% Pre-1960 Housing)	0.041	0.16	30	0.3	24
Superfund Proximity (site count/km distance)	0.094	0.15	58	0.13	65
RMP Facility Proximity (facility count/km distance)	0.19	0.47	54	0.43	55
Hazardous Waste Proximity (facility count/km distance)	1.5	0.76	84	1.9	69
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00052	2.3	25	22	43
SOCIOECONOMIC INDICATORS					
Demographic Index	88%	83%	54	35%	98
Supplemental Demographic Index	47%	43%	54	14%	99
People of Color	100%	96%	31	39%	98
Low Income	77%	70%	53	31%	96
Unemployment Rate	10%	15%	42	6%	81
Limited English Speaking Households	80%	67%	74	5%	99
Less Than High School Education	20%	21%	49	12%	81
Under Age 5	4%	4%	62	6%	40
Over Age 64	27%	22%	71	17%	85
Low Life Expectancy	N/A	N/A%	N/A	20%	N/A

*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>.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	0
Water Dischargers	1
Air Pollution	0
Brownfields	0
Toxic Release Inventory	1

Other community features within defined area:

Schools	2
Hospitals	1
Places of Worship	0

Other environmental data:

Air Non-attainment	No
Impaired Waters	Yes

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	Yes
Selected location contains an EPA IRA disadvantaged community	Yes

Report for 1 mile Ring Centered at 18.140759,-65.851764

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	-99999900%	N/A	20%	N/A
Heart Disease	N/A	-999999	N/A	6.1	N/A
Asthma	N/A	-999999	N/A	10	N/A
Cancer	N/A	-999999	N/A	6.1	N/A
Persons with Disabilities	7.7%	21.6%	4	13.4%	17

CLIMATE INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	N/A	-99999900%	N/A	12%	N/A
Wildfire Risk	N/A	-99999900%	N/A	14%	N/A

CRITICAL SERVICE GAPS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	26%	32%	43	14%	84
Lack of Health Insurance	6%	7%	48	9%	44
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Footnotes

Report for 1 mile Ring Centered at 18.140759,-65.851764

Attachment 15
Sole Source Aquifer Partner Worksheet
and 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.

Sole Source Aquifers (CEST and EA) - PARTNER

<https://www.hudexchange.info/environmental-review/sole-source-aquifers>

1. Is the project located on a sole source aquifer (SSA)¹?

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, such as a map of your project or jurisdiction in relation to the nearest SSA.*

Yes → *Continue to Question 2.*

2. Does the project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?

Yes → *The review is in compliance with this section. Continue to the Worksheet Summary below.*

No → *Continue to Question 3.*

3. Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer?

Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area.

Yes → *Continue to Question 4.*

No → *Continue to Question 5.*

4. Does your MOU or working agreement exclude your project from further review?

Yes → *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 and document where your project fits within the MOU or agreement.*

No → *Continue to Question 5.*

5. Will the proposed project contaminate the aquifer and create a significant hazard to public health?

Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area.

¹ A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.

EPA will also want to know about water, storm water and waste water at the proposed project. Follow your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

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

Yes → *The RE/HUD will work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied. Continue to Question 6.*

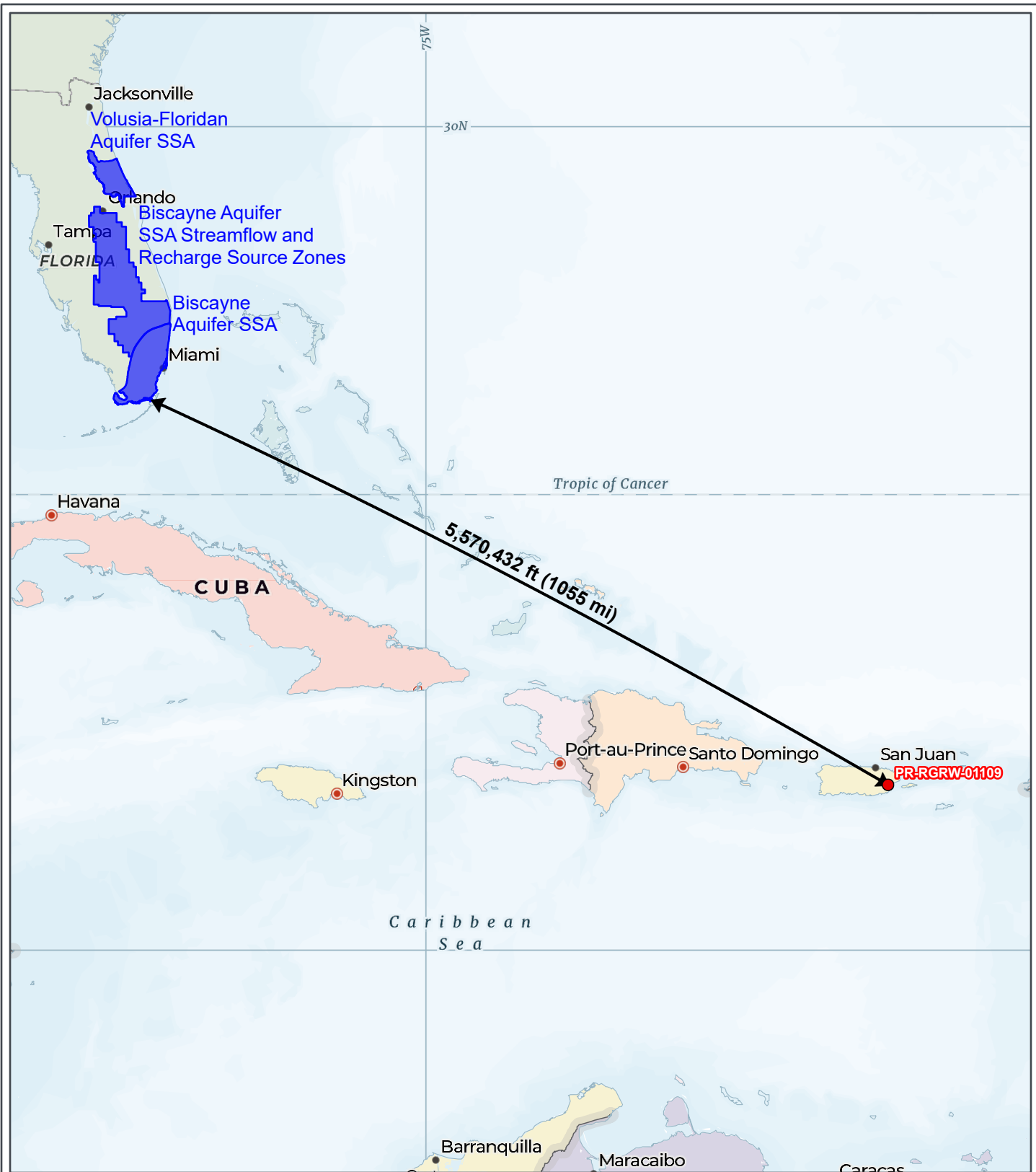
Worksheet Summary

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.

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.



REGROW PROGRAM

Figure 12-1: Sole Source Aquifers Map

Applicant ID: PR-RGRW-01109

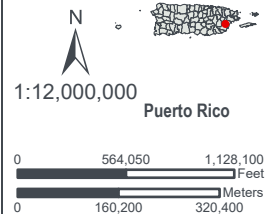


- Site
- Sole Source Aquifers

***There are no Sole Source Aquifers in Puerto Rico.**

Carr 908 Km 2.3 Calle Eucalipto, Bo Tejas
 Humacao, Puerto Rico 00791
 Parcel ID: 304-000-002-26-001
 Center of Map:
 73.121562°W 21.708636°N

Data Source: <https://services.arcgis.com/cJ9YHowT8TU7DUyn/arcgis/rest/services/SoleSourceAquifers/FeatureServer>
 Base Map: ESRI ArcGIS Online, accessed July 2024
 Updated: 7/1/2024
 Layout: Sole Source Aquifers
 Aprx: 72428_ReGrowTier2Maps



Appendix C
Environmental Site Inspection
Report



ENVIRONMENTAL FIELD ASSESSMENT FORM
ReGrow

Applicant Name: JUAN F ORTIZ DELGADO DBA Juan Francisco Ortiz Delgado	Program ID: PR-RGRW-01109
Project Coordinates: 18.142167, -65.84729	Parcel ID: 304-000-002-26-001
Parcel Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas	Municipio: Humacao
Zip Code: 00791	

Inspector Name: Delise Torres-Ortiz	Inspection Date: July 24 th , 2023
-------------------------------------	---

General Site Conditions

Was property accessible by vehicle?	Yes	Comment:
Access issues?	Yes	Comment: Locked gate
Are water wells present?	No	Comment:
Are creeks or ponds present?	Yes	Comment: Quebrada Mariana
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?	No	Comment:
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?	No	Comment:
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: Applicant's residence built around the 1990s.



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:
--	----	----------

I verify that I have physically visited this property and that the findings outlined above are accurate.

Delise Torres Ortiz
{Delise Torres-Ortiz}
{July 24, 2023}



ENVIRONMENTAL FIELD ASSESSMENT FORM
ReGrow

Following pages are used for:

Location Map with parcel boundaries and building point (Aerial base with streets labelled)

Photos taken during inspection, with Date / Type / Direction associated with the photo

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Frame #	View	Description
01	SE	This picture is an overview of the site location for a fixed cattle trap similar to a corral or “cepo”, in Spanish, 50x20ft, 18 inches to 2ft deep; the photo was taken at the side of the applicant’s residence, and it shows the area’s vegetation.
02	S	This picture taken from the north corner of the site location for a fixed cattle trap (“cepo”) 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation and the applicant.
03	W	This picture taken from the east corner of the site location for a fixed cattle trap (“cepo”) 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation and the applicant.
04	N	This picture taken from the south corner of the site location for a fixed cattle trap (“cepo”) 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation.
05	E	This picture taken from the west corner of the site location for a fixed cattle trap (“cepo”) 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation towards the creek.
06	NW	This picture is an overview of the applicant’s residence built around the 1990s from the site location and the area’s vegetation.
07	E	This picture is an overview of the applicant’s residence taken from the main access road to the property built around the 1990s.
08	SE	This picture overlooks the area where the creek, known by the applicant by the neighborhood name, Mariana, is located.

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Photo #: 01	Date: 07/24/ 2023	
Photo Direction: Southeast		
Description: This picture is an overview of the site location for a fixed cattle trap similar to a corral or “cepo”, in Spanish, 50x20ft, 18 inches to 2ft deep; the photo was taken at the side of the applicant’s residence, and it shows the area’s vegetation.		

Photo #: 02	Date: 07/24/ 2023	
Photo Direction: South		
Description: This picture taken from the north corner of the site location for a fixed cattle trap (“cepo”) 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation and the applicant.		

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Photo #: 03	Date: 07/24/ 2023	
Photo Direction: West		
Description: This picture taken from the east corner of the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation and the applicant.		

Photo #: 04	Date: 07/24/ 2023	
Photo Direction: North		
Description: This picture taken from the south corner of the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation.		

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Photo #: 05	Date: 07/24/ 2023	
Photo Direction: East		
Description: This picture taken from the west corner of the site location for a fixed cattle trap ("cepo") 50x20ft, 18 inches to 2ft deep, and it shows the area's vegetation towards the creek.		

Photo #: 06	Date: 07/24/ 2023	
Photo Direction: Northwest		
Description: This picture is an overview of the applicant's residence built around the 1990s from the site location and the area's vegetation.		

Project #: PR-RGRW-01109	Photographer: Delise Torres-Ortiz
Location Address: Carretera 908 KM 2.3 Calle Eucalipto, Bo Tejas, Humacao, PR, 00791	Coordinates: 18.142167, -65.84729

Photo #: 07	Date: 07/24/ 2023
Photo Direction: East	
Description: This picture is an overview of the applicant's residence taken from the main access road to the property built around the 1990s.	



Photo #: 08	Date: 07/24/ 2023
Photo Direction: Southeast	
Description: This picture overlooks the area where the creek, known by the applicant by the neighborhood name, Mariana, is located.	

