

Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project ID: PR-RGRW- 04072

Project Name: Kenneth Rivera Zeda

Responsible Entity: Puerto Rico Department of Housing

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

State/Local Identifier: Puerto Rico / Municipio of Utuado

Preparer: Heath Anderson, Deputy Program Manager

Certifying Officer Name and Title:

Permit and Environmental Compliance Officers:

Sally Acevedo Cosme

Pedro De León Rodríguez

Ivelisse Lorenzo Torres

Santa Damarys Ramírez Lebrón

Janette I. Cambrelén

Limary Vélez Marrero

Mónica M. Machuca Ríos

Abdul X. Feliciano Plaza

Javier Mercado Barrera

Priscilla Toro Rivera

María T. Torres Bregón - Environmental Compliance Manager

Angel G. López-Guzmán - Deputy Director, Environmental Compliance Division

Juan C. Perez Bofill - Director for Disaster Recovery

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 3.57-acre parcel (Cadastral Number 162-093-158-49) at PR-611 St. Km 6.0, Sabana Grande ward, Utuado, PR 00641 (see **Appendix A, Figure 1-** Site Location and **Figure 2-** Site Vicinity). This property is in a rural area in the north-central portion of Utuado Municipio. Access to the project areas is provided via a paved

road at the eastern portion of the parcel. All proposed project activities are in the southern 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:

- Warehouse (18.280499, -66.673998) is in the southern part of the parcel, approximately 13 feet (ft) east of the applicant's residence.

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

The proposed project involves the installation of a warehouse. The warehouse will be a closed structure measuring 20 x 20 ft (400 sq. ft) with a height of 11 ft. It will be constructed of four columns, two 10 ft columns and two 11 ft columns, all of which will be 2 x 2 ft and extend up to 3 ft deep. The roof of the warehouse will have an incline and be attached and secured using screws. The warehouse will be located in the south-central part of the parcel and there is a preexisting 20 x 20 ft concrete platform there that the warehouse would be built upon. There is a water pipeline running around the edges of the platform, but it would be removed before construction of the warehouse begins.

No water or electrical connections will be required. The proposed warehouse site has a water pipe running around the edges of the concrete platform that will be removed prior to construction.

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.

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 construct a warehouse for their agricultural operation nor has the applicant received any other outside source of funding for the project. The new warehouse will help increase agricultural production. 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 general topography of the property is hilly with cleared area and vegetated areas. The land use of the entire property is not classified (NC). The land to the south and west of the property is rural while the land to the north and east along PR-611 is low density residential.

The applicant currently grows coffee on the property. The proposed activities are for agricultural purposes and are consistent with the current land use. The proposed location for the warehouse is on an existing 20 x 20 ft concrete platform in the south-central portion of the parcel.

A few existing structures are in the southern portion of the parcel including the applicant's residence and a bathroom located adjacent to the proposed warehouse location.

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: \$44,606.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$44,606.00

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 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, Mercedita, is located 103,157 ft (20 miles [mi]) from the project site. The nearest military airport, Luis Munoz Marin International Airport, is located 235,314 ft (45 mi) 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). The closest CBRS unit, Puerto de Arecibo, is located 70,012 ft (13 mi) from the project site. No further evaluation is required. The project is in compliance with the Coastal Barrier Resources Act.</p> <p>The Coastal Barrier Resources Act Partner Worksheet and Coastal Barrier Resources Map (Figure B 2-1) are provided in Appendix B, Attachment 2.</p> |

| | | |
|--|---|---|
| <p>Flood Insurance</p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p> | <p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p> | <p>A review of the FEMA Flood Insurance Rate Map (FIRM), Community Panel 72000C0620H (effective date 4/19/2005), shows the project site is in Flood Zone X, which is not in a Special Flood Hazard Area (SFHA). Flood insurance is not required. No further evaluation is required. The project is in compliance with the Flood Disaster Protection Act and National Flood Insurance Reform Act.</p> <p>The Flood Insurance Partner Worksheet and FIRM (Figure B 3-1) are provided in Appendix B, Attachment 3.</p> |
| <p>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</p> | | |
| <p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p> | <p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p> | <p>The project site is in Utuado Municipio, which is within a U.S. Environmental Protection Agency (USEPA) designated attainment area. Project activities include new construction of a warehouse. The project is not anticipated to have a negative impact on air quality. 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 63,185 ft (12 mi) 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</p> |

| | | |
|---|---|--|
| | | (Figure B 5-1) are provided in Appendix B, Attachment 5 . |
| Contamination and Toxic Substances 24 CFR Part 58.5(i)(2) | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | <p>The project site was evaluated for potential contamination by conducting a field site inspection on August 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.</p> <p>The site inspection did not identify any onsite hazards, stained soil or vegetation and the project is in compliance with contamination and toxic substances requirements.</p> <p>The project does not involve any occupied structures and is therefore exempt from considering radon as part of the site contamination analysis as per HUD Notice CDP- 23-103.</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 parcel has been used for agricultural purposes and there has been no change in land use in the last 20 years. The project is located in a rural area of Utuado Municipio and will continue to be used for agricultural purpose.</p> <p>The desktop review found one of the above-listed toxic, hazardous or radioactive substances within 3,000 ft of the project area. However, due to the site having no violations since June 2022 and its distance of 1,116 ft away from the site, the facility will not affect the</p> |

| | | |
|---|---|--|
| | | <p>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, Contamination and Toxics Sites Summary, Radon Agency Correspondence, and Contamination and Toxic Substances Map (Figure B 6-1) are provided in Appendix B, Attachment 6.</p> |
| <p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p> | <p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p> | <p>The proposed project involves the installation of a warehouse. 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 Critical Habitat Portal.</p> <p>The review identified four federally listed species (Puerto Rican Broad winged Hawk [<i>Buteo platypterus brunnescens</i>], Puerto Rican Parrot [<i>Amazon vittata</i>], Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</i>), and the Puerto Rican Boa [<i>Chilabothrus inornatus</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 13,331 ft (3 miles) away.</p> <p>The project activities will result in ground disturbing activities, including removing water lines and the construction of a warehouse. A qualified biologist reviewed the proposed activity</p> |

| | | |
|--|---|---|
| | | <p>location. The project area is adjacent to forested areas; therefore, the applicant will employ conservation measures for all four species, as outlined in Appendix E, including but not limited to issuing a stop work if a Puerto Rican boa were to occur within the project area, and contacting the Puerto Rico Department of Natural and Environmental Resources for safe capture and relocation of the individual if such action is required. As such, it is anticipated that the project may affect, but is not likely to adversely affect the Puerto Rican broad-winged hawk, Puerto Rican parrot, Puerto Rican boa, and the Puerto Rican harlequin butterfly.</p> <p>The Endangered Species Act Partner Worksheet, Threatened and Endangered Species Technical Memorandum with IPaC, Species Conservation Measures Guidance, Critical Habitat Map (Figure B 7-1) 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 warehouse. 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</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</p> |

| | | |
|---|---|--|
| <p>sections 1504(b) and 1541; 7 CFR Part 658</p> | | <p>project area crosses two mapped soil series: InD (Ingenio clay loam, 5 to 20 percent slopes) and LcF2 (Lirios clay loam, 40 to 60 percent slopes). Prime farmlands are within the project area. 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>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p> | <p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p> | <p>An Advisory Base Flood Elevation (ABFE) map was developed by FEMA, which shows the project site is in Flood Zone X. The project is not located in the FFRMS floodplain as define by Part 55, therefore, no further action is required. The extent of the FFRMS floodplain was using the 0.2 percent-annual-chance Flood Approach(0.2PFA) The project is in compliance with 24 CFR Part 55, EO 11988 as amended by EO 13690.</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 Utuado; therefore, PFIRM information was not available for the area and therefore not considered in the review. 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>HUD implemented new floodplain regulations under 89 FR 30850 effective June 24, 2024 which created the Federal Flood Risk Management</p> |

| | | |
|---|---|---|
| | | <p>Standard (FFRMS). 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; therefore, mitigation is not required and the project is in compliance with 24 CFR Part 55.</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 proposed project involves the installation of a warehouse on a previously developed area and significant ground disturbing activities of previously disturbed soil. State Historic Preservation Office (SHPO) consultation was performed.</p> <p>No National Historic Landmark (NHL) are within or near the project area.</p> <p>A site visit was conducted on August 24, 2023, by an SOI-qualified Archaeologist. Record reviews and research were conducted at the SHPO and the Institute for Puerto Rican Culture (ICP) to determine if any archaeologically sensitive resources could be present within a 0.5-mile radius.</p> <p>The results of the Record Search and the Site Inspection indicate that there are no historic properties or cultural resources within the 0.5-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 February 5, 2024, and SHPO concurred with the No Historic Properties Affected</p> |

| | | |
|---|---|---|
| | | <p>determination on February 7, 2024. No further evaluation is required. The project is in compliance with the National Historic Preservation Act. The Historic Preservation Partner Worksheet and SHPO consultation are provided in Appendix B, Attachment 11.</p> <p>The Historic Preservation Partner Worksheet, Previously Recorded Cultural Resources Map (Figure B 11-1), and SHPO consultation are provided in Appendix B, Attachment 11.</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 construction of a warehouse 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>The Sole Source Aquifers Partner Worksheet and Sole Source Aquifers Map (Figure B 12-1) are provided in Appendix B, Attachment 12.</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. No wetlands were determined to be present on site. 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 13.</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 Utuado Municipio. The closest Wild and Scenic River segment is located 306,776 ft (58 mi) 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 14.</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 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 EJSscreen Report are provided in Appendix B, Attachment 15.</p> |

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

page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

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

(1) Minor beneficial impact

(2) No impact anticipated

(3) Minor Adverse Impact – May require mitigation

(4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

| Environmental Assessment Factor | Impact Code | Impact Evaluation |
|--|-------------|---|
| LAND DEVELOPMENT | | |
| Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design | 2 | <p>The proposed project involves the installation of a warehouse. The project site locations are not classified land use. The proposed action is continued agricultural use of property, which is compatible with zoning and existing land use.</p> <p>Construction actions include new construction 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 low-density area of Utuado Municipio, and project activities will not contribute to urban sprawl.</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> |
| Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff | 2 | <p>The proposed project involves the installation of a warehouse.</p> <p>Soil suitability will be assessed prior to construction and will be addressed during local permitting processes. Per the USGS/NRCS Web Soil Survey, the project area crosses two mapped soil series: InD (Ingenio clay loam, 5 to 20 percent slopes) and LcF2 (Lirios clay loam, 40 to 60 percent slopes). Contractors will be required to use best management practices during</p> |

| | | |
|---|---|---|
| | | <p>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 fewer than 25 landslides per square kilometer for the location of the proposed warehouse (see Appendix A, Figure 3- USGS Landslide Map).</p> <p>Department of Natural and Environmental Resources (DNER) authorization is 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 proposed project involves the installation of a warehouse. Contractors will be required to provide health and safety plans and monitoring during construction. Noise levels will temporarily increase during construction which may impact surrounding neighbors; 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 and to the hours established in the Regulation for Noise Control and Pollution in Puerto Rico. Additionally, the project does not include housing to where inhabitants would be affected.</p> |

| Environmental Assessment Factor | Impact Code | Impact Evaluation |
|---|-------------|--|
| SOCIOECONOMIC | | |
| Employment and Income Patterns | 2 | <p>The proposed project involves the installation of a warehouse. 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 proposed project involves the installation of a warehouse. The project is a low-density area in Utuado 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 proposed project involves the installation of a warehouse.</p> <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 improving agricultural use and production. 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 15).</p> |
|-----------------------|---|--|

| Environmental Assessment Factor | Impact Code | Impact Evaluation |
|--|-------------|---|
| COMMUNITY FACILITIES AND SERVICES | | |
| Educational and Cultural Facilities | 2 | The proposed project involves the installation of a warehouse on private land and will not contribute to any change in educational or cultural facilities or affect access to or capacity of educational or cultural facilities. |
| Commercial Facilities | 2 | The proposed project involves the installation of a warehouse on an existing farm which will increase agricultural production, resulting in a net positive impact to the applicant's farm commercial output and a positive benefit to surrounding commercial enterprises who purchase and sell the produce. |
| Health Care and Social Services | 2 | The proposed project activities involve the installation of a warehouse on private land and will not affect access to or capacity of health care and social services. |
| Solid Waste Disposal / Recycling | 2 | The proposed project involves the installation of a warehouse. 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 installation of a new warehouse will not result in significant changes to the property's current wastewater or sanitary sewer use. |

| | | |
|--|---|--|
| | | Sewage will not be generated from the project. No new wastewater or sanitary sewer connections are required for this project. . |
| Water Supply | 2 | The proposed project involves the installation of a warehouse. The proposed project activities are not expected to result in significant changes to water supply as it will not be connected to the water system. |
| Public Safety - Police, Fire and Emergency Medical | 2 | The proposed project involves the installation of a warehouse. The proposed project activities will occur on private land and will not affect public safety concerns such as police, fire, and emergency medical services. |
| Parks, Open Space and Recreation | 2 | The proposed project involves the installation of a warehouse 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 proposed project involves the installation of a warehouse on private land and has 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 proposed project involves the installation of a warehouse. The project is not located in proximity to unique natural features or water resources; therefore, construction activities will not affect quality or access to these resources. |
| Vegetation, Wildlife | 2 | The proposed project involves the installation of a warehouse. The project area has already been previously disturbed for residential home placement and farm operations; therefore, the project is not anticipated to result in any new impacts to trees, vegetation, wildlife or native plant communities. No tree clearing or pruning is anticipated prior to warehouse construction. |

| Environmental Assessment Factor | Impact Code | Impact Evaluation |
|---------------------------------|-------------|---|
| CLIMATE AND ENERGY | | |
| Climate Change Impacts | 2 | <p>The proposed project involves the installation of a warehouse. 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 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 warehouse construction activities are for individual farm use and will not result in a significant increase in electricity or water draw.</p> |
| Energy Consumption | 2 | <p>The project will not result in significant additional energy consumption as it involves only the construction of a warehouse using self-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):

Field inspection completed on August 24, 2023, by Delise Torres-Ortiz, SWCA Environmental Consultants.

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

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

DNER. 2023b. Puerto Rico DNER Species Ranges – under construction. Accessed August 25, 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 \(faa.gov\)](#).

Federal Emergency Management Agency (FEMA). 2023. FEMA Flood Map Service Center - Map Panel 72000C0620H (effective 4/19/2005). Accessed March 1, 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 28, 2023).

National Oceanic and Atmospheric Administration (NOAA) Office for Coastal Management. 2023. Puerto Rico Coastal Zone Boundary. Accessed March 1, 2023. Available at: [Puerto Rico Coastal Vulnerability Viewer \(arcgis.com\)](#).

State Historic Preservation Office (SHPO). 2023. San Juan, Puerto Rico. Data collection conducted on (August 23, 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 November 1, 2022. Available at: <https://geopub.epa.gov/arcgis/rest/services/EMEF/efpoints/MapServer>.

USEPA. 2022b. Sole Source Aquifer Map. Accessed March 1, 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 January 31, 2023. Available at: https://www3.epa.gov/airquality/greenbook/anayo_pr.html.

USEPA. 2023b. EJScreen: Environmental Justice Screening and Mapping Tool. Accessed October 25, 2023. Available at: <https://www.epa.gov/ejscreen/download-ejscreen-data>.

U.S. Fish and Wildlife Service (USFWS). 2019. Coastal Barrier Resources System. Accessed January 31, 2023. Available at: <https://www.fws.gov/CBRA/Maps/Mapper.html>.

USFWS. 2023a. Information for Planning and Consultation (IPaC). Accessed March 1, 2023. Available at: <https://ipac.ecosphere.fws.gov/location/index>.

USFWS. 2023b. Critical Habitat for Threatened & Endangered Species. Accessed August 25, 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 March 1, 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 \(usda.gov\)](#).

U.S. Geological Survey (USGS). 2022. Concentration of Landslides caused by Hurricane Maria, Puerto Rico. Accessed March 1, 2023. Available at: [U.S. Landslide Inventory \(arcgis.com\)](#).

List of Permits Obtained:

No permits have been obtained.

Public Outreach [24 CFR 58.43]:

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

Cumulative Impact Analysis [24 CFR 58.32]:

The construction of a warehouse 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 warehouse. 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)]:

If the proposed project did not take place, the farm may have to rely on their current warehouse for storing and processing the coffee they grow. In the absence of an additional warehouse space, the business may have difficulty increasing agricultural production and maintaining it during future disasters. 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</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p> | <p><i>General Condition:</i></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. 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</p> |

| | |
|--|--|
| | <p>off site, the construction manager shall contact the Puerto Rico DNER to relocate the Boa.</p> <p>If a Puerto Rican Harlequin Butterfly (Butterfly) is found in the project activity site, work shall cease until the Butterfly moves off site on its own. If the Butterfly does not move off site, the construction manager shall contact the Puerto Rico DNER to relocate the Butterfly.</p> <p>If a Puerto Rican Broadwinged Hawk(Hawk) is found in the project activity site, work shall cease until the Hawk moves off site on its own. If the Hawk does not move off site, the construction manager shall contact the Puerto Rico DNER to relocate the Hawk.</p> <p>If a Puerto Rican Parrot (Parrot) is found in the project activity site, work shall cease until the Parrot moves off site on its own. If the Parrot does not move off site, the construction manager shall contact the Puerto Rico DNER to relocate the Parrot.</p> <p>The USFWS has developed the following conservation measures for the Boa:</p> <ol style="list-style-type: none"> 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. |
|--|--|

| | |
|--|--|
| | <p>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 project 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.</p> <p>4. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #5). 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 #s: (787) 724-5700, (787) 230-5550, (787) 771-1124). If immediate relocation is not an option, project-related activities at that 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.</p> <p>5. 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. Last Revised: January 2024</p> <p>6. If a PR boa is captured by PRDNER personnel, record the name of that person and information on where the PR boa will be taken. This information should be reported to the Service.</p> <p>7. 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</p> |
|--|--|

| | |
|--|---|
| | <p>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 #4). If not possible, the animal should be left alone until it leaves the vehicle on its own.</p> <p>8. 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.</p> <p>9. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #5). 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 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.</p> <p>10. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.</p> <p>The USFWS has developed the following conservation measures for bird species in case an encounter occurs:</p> <p>1. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973, as amended. During breeding seasons (see below), nest surveys shall be conducted if a project occurs within the range of any of the species listed above and if habitat for</p> |
|--|---|

| | |
|--|---|
| | <p>those species will be impacted by the proposed actions. Nest searches must be conducted by qualified personnel with the appropriate permits from the Puerto Rico Department of Natural and Environmental Resources (PRDNER) prior to start of work. If nesting activity is detected, all construction activities or human disturbance must be avoided within a 50-meter buffer around any nest(s) found within the project area. This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently.</p> <ul style="list-style-type: none"> • Breeding Seasons: • Puerto Rican parrot: February-June. • Puerto Rican broad-winged hawk: December-June. <p>2. Outside the breeding season no nest surveys are required, but if a nest is encountered, all construction activities or human disturbance must be avoided within a 50-meter buffer around that nest(s). This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Furthermore, if any of the species indicated above is observed (e.g., foraging, resting) within the project area, avoid any disturbance to the individual(s) and do not flush the bird until it leaves on its own.</p> <p>3. For all nest sightings, the Applicant must record the time and date of the sighting and the specific location where it was found. All sightings and incidental lethal take reports should be sent to the USFWS Caribbean Ecological Services Field Office at Caribbean_es@fws.gov. For questions, the Point of Contact (POC) is José Cruz-Burgos, Endangered Species Program Coordinator, and can be contacted at:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Mobile: 305-304-1386 <input type="checkbox"/> Office phone: 786-244-0081 <input type="checkbox"/> Office Direct Line: 939-320-3120 |
|--|---|

□ Email: jose_cruz-burgos@fws.gov

The USFWS has developed the following conservation measures for the Puerto Rican Harlequin Butterfly species in case an encounter occurs:

1. All project construction personnel must be informed about the potential presence of the PR harlequin butterfly or its occupied host plant, prickly bush (*Oplonia spinosa*), in the project areas and the need to avoid harming the species and its occupied host plant. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act. Educational material (e.g., posters, flyers, or signs with photos or illustrations of all the life stages of the PR harlequin butterfly (i.e., eggs, caterpillar, chrysalis, and adult) as well as its host plant, should be prepared and available to all personnel for reference.

2. Before starting any project activity, including removal of vegetation and earth movement, the boundaries of the work area in the field clearly delineate to avoid unnecessary habitat impacts. Once the project areas are clearly marked, and before any work activity, including site preparation, personnel with knowledge and ability to identify the PR harlequin butterfly (all life stages) and the prickly bush must survey the areas where the work will be performed for the presence of the species and its host plant. It is important to note that the PR harlequin butterfly can be observed year-round in all its life stages; thus, oviposition (egg-laying) may occur at any time during the year.

3. If the prickly bush is present on the project site, try to avoid cutting it off, even if no eggs, caterpillars, or chrysalis are present.

4. If there is no prickly bush within the project area, and the butterfly is observed flying within the project area, do not harass, harm, pursue, wound,

| | |
|--|--|
| | <p>kill, trap, capture, collect, or attempt to engage in any such conduct, the species.</p> <p>5. Adult butterflies are often observed flying near the host plant as part of their mating behavior and laying eggs. Project-related activities must stop if the prickly bush is found in the project area and the PR harlequin butterfly is observed flying in that same area where the plan is located. A temporary 50-meter (164 feet) buffer zone of no activity or human disturbance should be established and clearly marked around that prickly bush until the butterfly moves out on its own.</p> <p>6. Once the PR harlequin butterfly has moved away, within a period of 24 to 36 hours, a search of the prickly bush that has been buffered should be conducted to determine the presence of eggs, caterpillars, or chrysalids of the butterfly on the plant. The contractor or the Applicant should send a report of the observation and its findings to caribbean_es@fws.gov after the 36-hour search is concluded.</p> <p>7. If, after the initial search or after the 24 to 36-hour search, any life stage of the PR harlequin butterfly is found in the prickly bush, take the following actions:</p> <ul style="list-style-type: none"> o Clearly mark the host plant with flagging tape. February 2024 o Establish a 10-meter (32-foot) buffer zone around the bush to protect it. o Eggs are typically found on the prickly bush's newly grown, tender branches. Once an egg hatches, the caterpillar moves and feeds throughout the plant. Therefore, avoid cutting off the prickly bush within the project site even if no eggs, caterpillars, or chrysalids are present. o Work within the 10-meter buffered area may resume when no signs of any live life stage of the butterfly are detected, which usually takes approximately 60 to 120 days. <p>8. For all PR harlequin butterfly sightings (all life stages), the time and date of the sighting and the specific location where the butterfly was found must be recorded. Data should also include a</p> |
|--|--|

| | |
|---|--|
| | <p>photo of the butterfly (if possible) and the habitat where it was observed, site GPS coordinates, and comments on how the butterfly was detected and its behavior. All PR harlequin butterfly sighting reports should be sent to the U.S. Fish and Wildlife Service, Caribbean Ecological Service Field Office at caribbean_es@fws.gov.</p> <p>9. For questions regarding the PR harlequin butterfly, the Point of Contact is: José Cruz-Burgos, Threatened and Endangered Species Program Coordinator:</p> <ul style="list-style-type: none"> o Mobile: 305-304-1386 o Office phone: 786-244-0081 o Office Direct Line: 939-320-3120 o Email: jose_cruz-burgos@fws.gov |
| <p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p> | <p><i>General Condition:</i></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.</p> <p>Department of Natural and Environmental Resources (DNER) authorization is required for any extraction, removal, excavation, and dredging of the components of the earth's crust.</p> |

| | |
|--|--|
| <p>Hazards and Nuisances including Site Safety and Noise</p> | <p>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.</p> <p>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.</p> |
| <p>Solid Waste Disposal / Recycling</p> | <p>All construction debris will be disposed of at the proper facilities for the debris type (i.e. construction waste).</p> |

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 October 2024

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

SWCA Environmental Consultants

Certifying Officer Signature:  Date: October 16, 2024

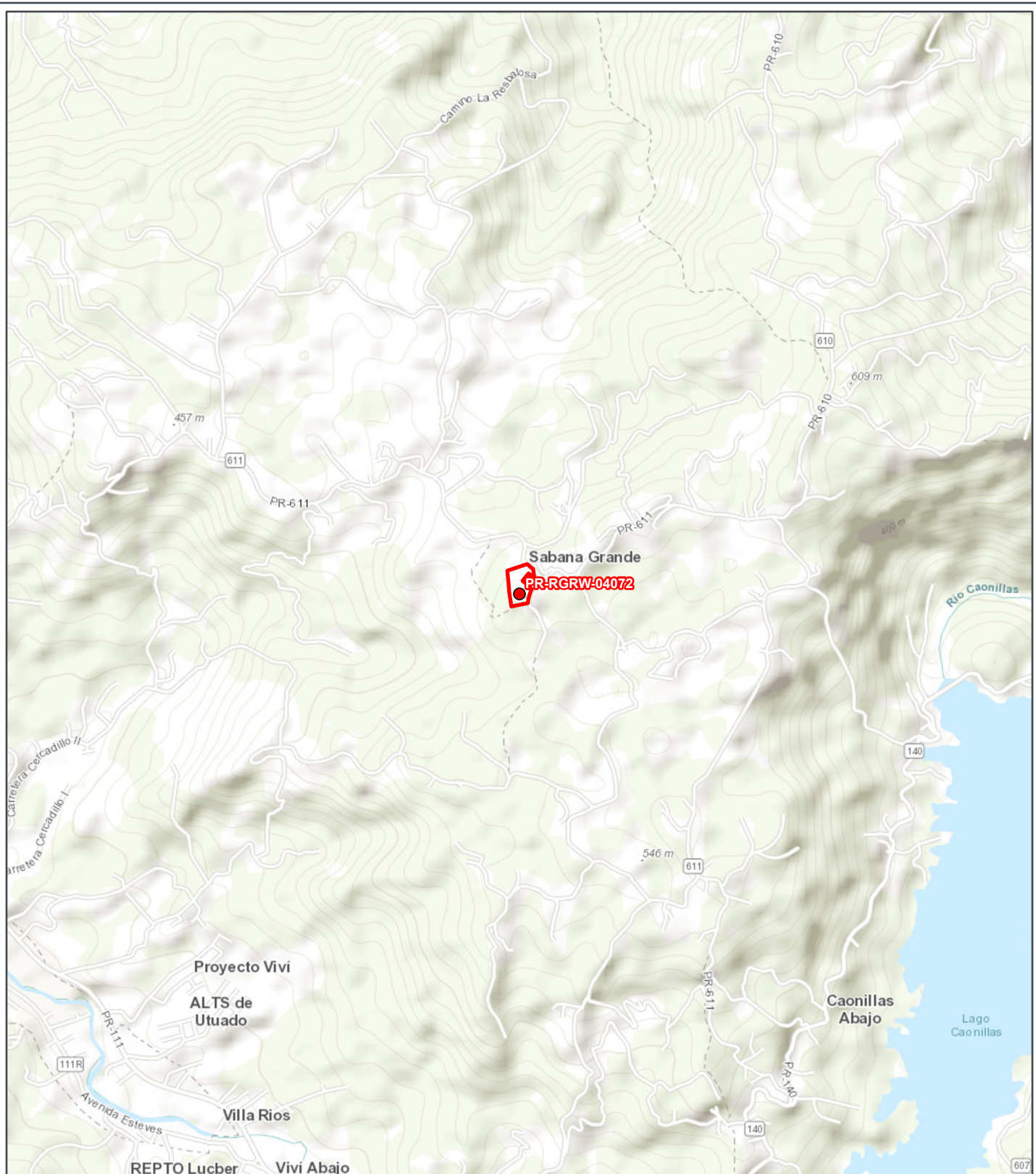
Name/Title: I. Lorenzo, Permits and Environmental Compliance Specialist

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-04072

SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- ▭ Site Parcel

Bo. Sabana Grande Carr. 611 K 6
H 0
Utua, Puerto Rico 00641

Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°N

Base Map: ESRI ArcGIS Online,
accessed July 2024
Updated: 7/15/2024
Layout: Site Location
Aprx: 72428_ReGrowTier2Maps

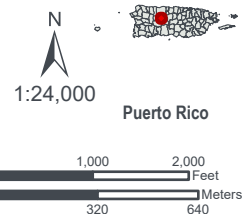
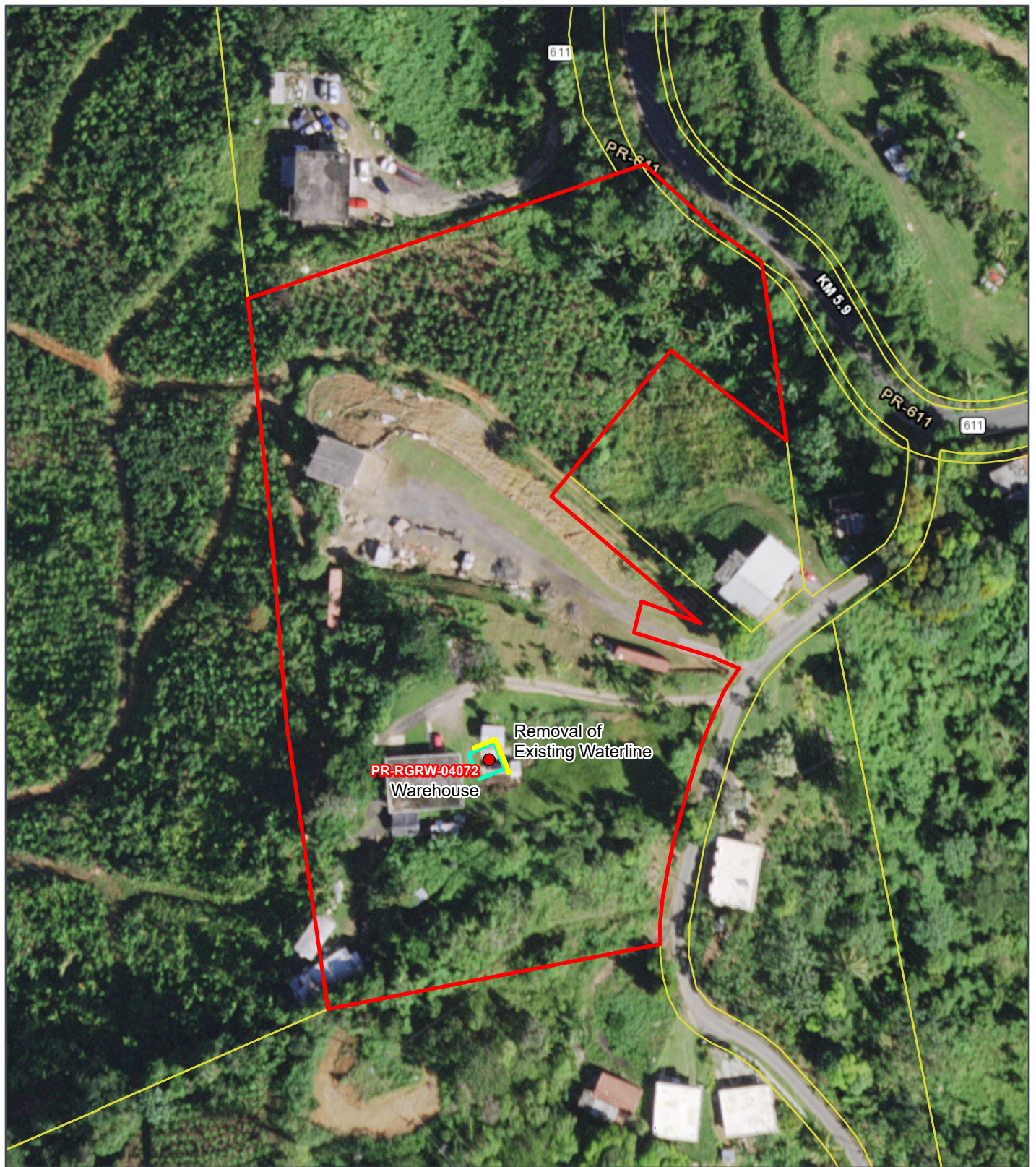


Figure 2
Site Vicinity Map



REGROW PROGRAM

Figure A-2: Site Vicinity

Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Site Parcel
- Project Footprint (Option)
- Above Ground Waterline

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641

Parcel ID: 162-093-158-49-000
Center of Map:
66.673935°W 18.280845°N

Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/15/2024
Layout: Site Vicinity
Aprx: 72428_ReGrowTier2Maps

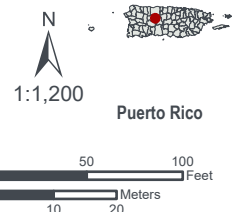
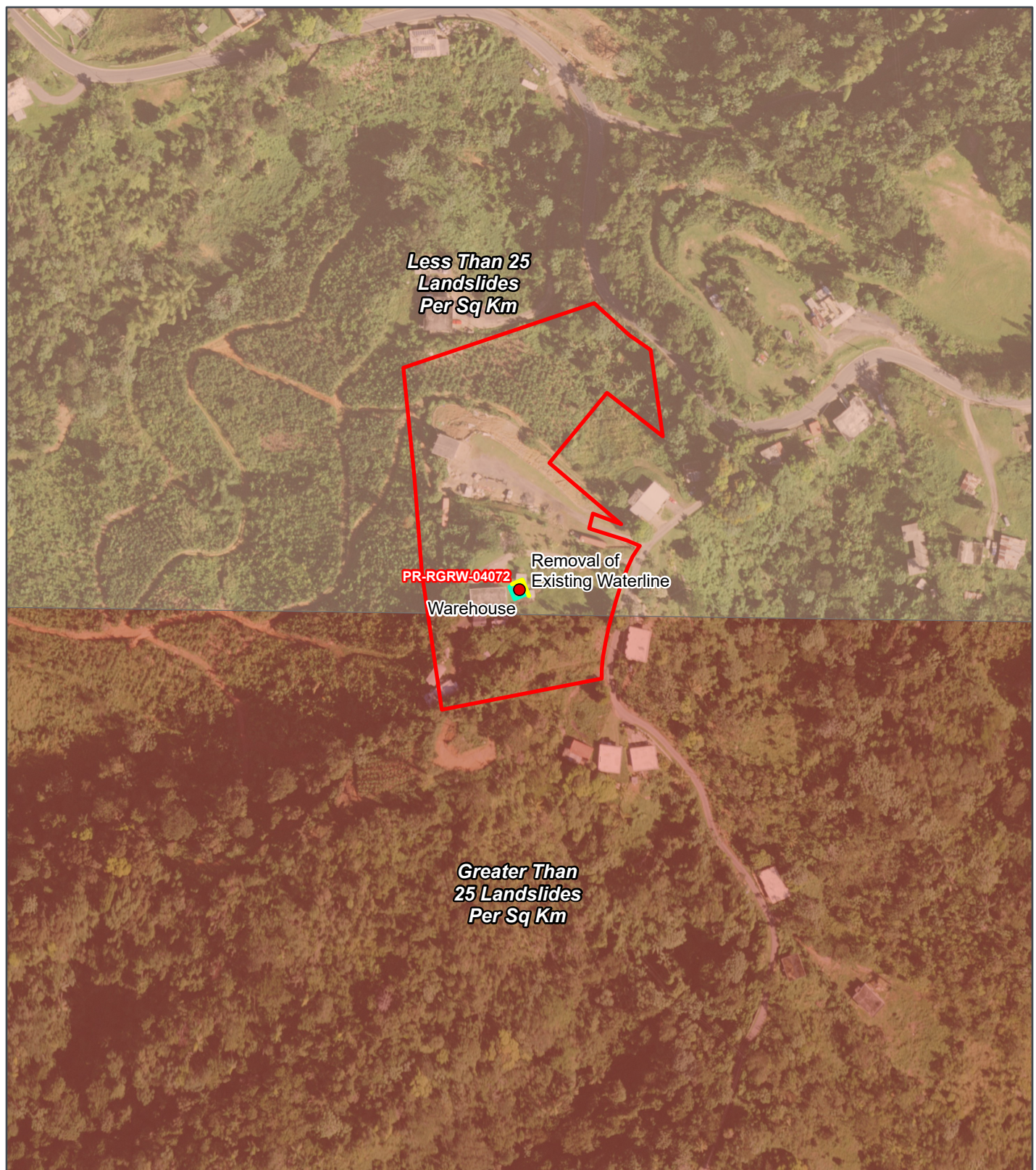


Figure 3
USGS Landslide Map



REGROW PROGRAM

Figure A-3: USGS Landslide Map

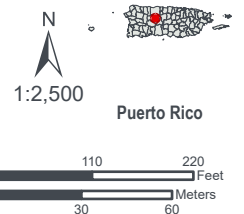
Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

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

Bo. Sabana Grande Carr. 611 K 6
H 0
Utua, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°N

Data Source: https://arcgis.cuahsi.org/arcgis/rest/services/MariaRAPID/Hurricane_Maria_Landslides/MapServer
Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/15/2024
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, Mercedita, is located 103,157 ft (20 miles) from the project site. The nearest military airport, Luis Munoz Marin International Airport, is located 235,314 ft (45 miles) from the project site. No further evaluation is required. The project is in compliance with airport hazards requirements.



REGROW PROGRAM

Figure B 1-1: Airport Hazards Map

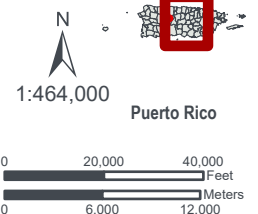
Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

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

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.345227°W 18.225704°N

Data Source: <https://geodata.bts.gov/>
Base Map: ESRI ArcGIS Online,
accessed July 2024
Updated: 7/15/2024
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 Barrier Resources (CEST and EA) – PARTNER

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

Projects located in the following states must complete this form.

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

1. Is the project located in a CBRS Unit?

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

☐ Yes → *Continue to 2.*

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

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

- ☐ Consultation with the FWS
☐ Cancel the project

Worksheet Summary

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

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

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

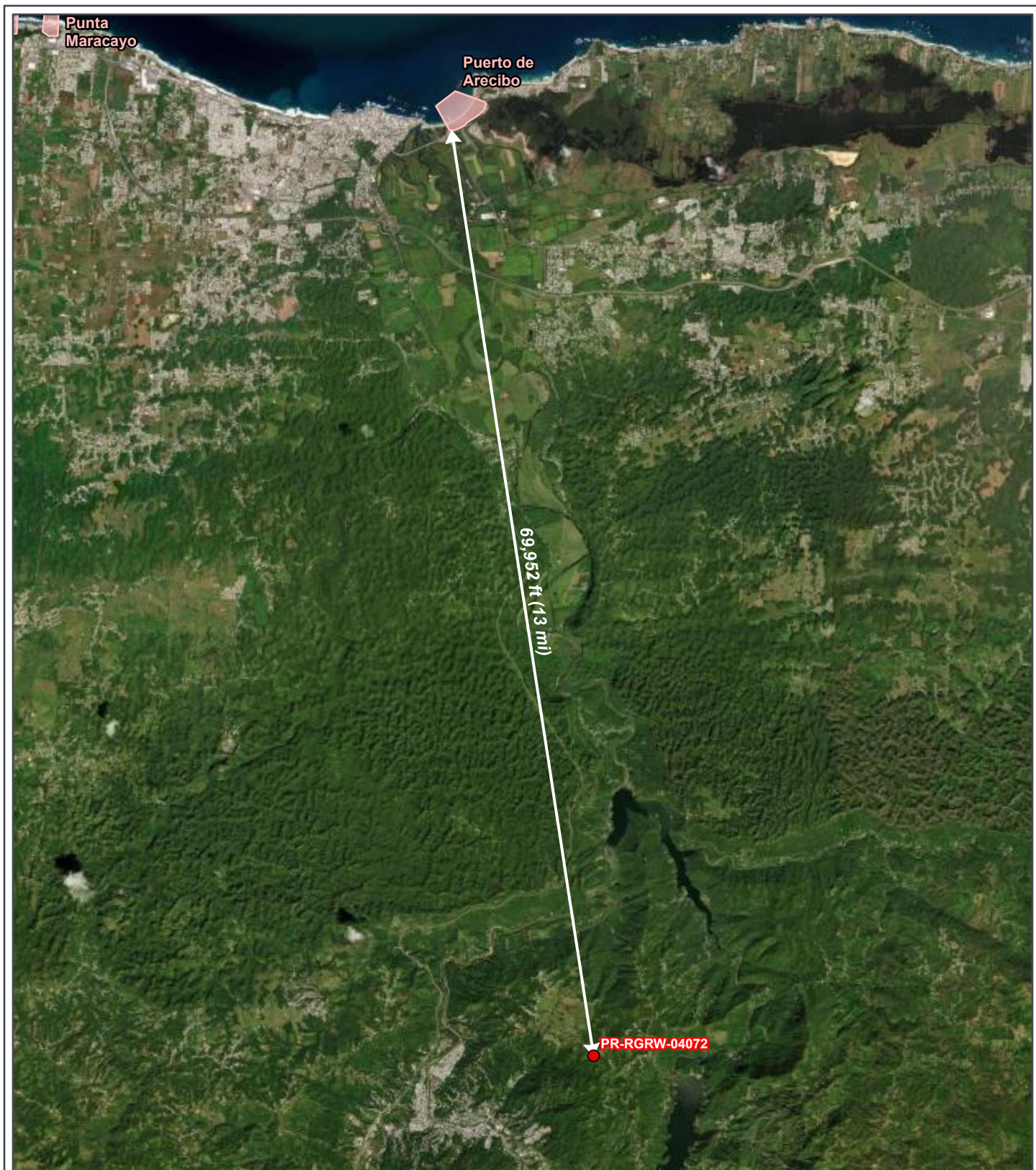
The project site is not located in a Coastal Barrier Resource Systems Unit (CBRS) or Otherwise Protected Area (OPA). The closest CBRS unit, Puerto de Arecibo, is located 70,012 feet (13 miles) from the project



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.

site. No further evaluation is required. The project is in compliance with the Coastal Barrier Resources Act.



REGROW PROGRAM

Figure B 2-1: Coastal Barrier Resources Map

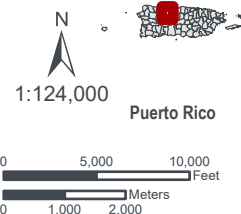
Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Otherwise Protected Area
- System Unit

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.689437°W 18.375683°N

Data Source: <https://cbrsgis.wim.usgs.gov/arcgis/rest/services/CoastalBarrierResourcesSystem/MapServer>
Base Map: ESRI ArcGIS Online, accessed July 2024
Updated: 7/15/2024
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.

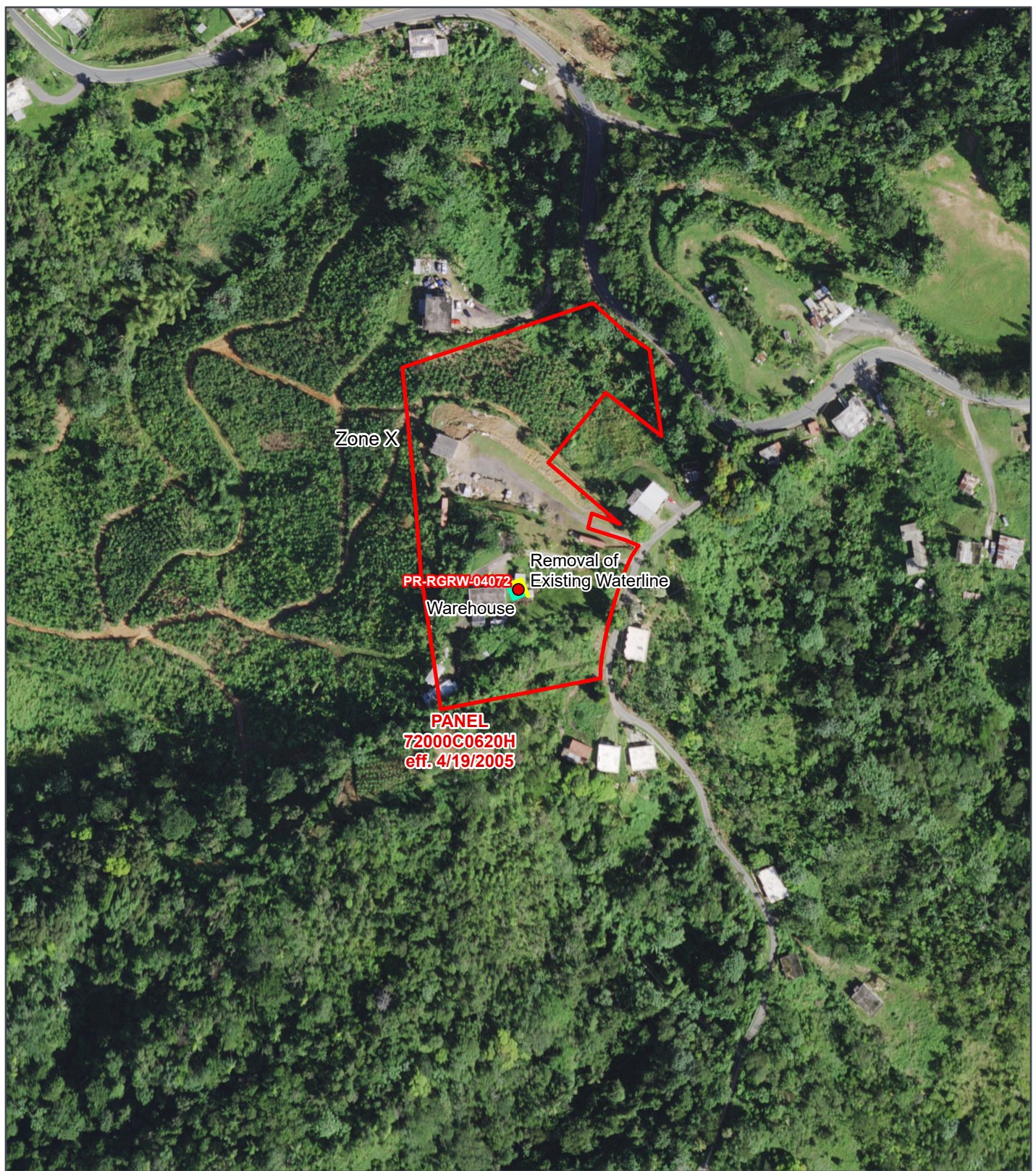
Worksheet Summary

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 72000C0620H (effective date 4/19/2005), 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.

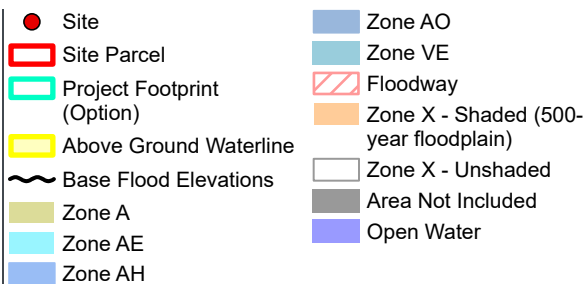


REGROW PROGRAM

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

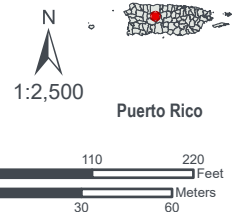
Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS



Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°N

Data Source: <https://hazards.fema.gov/gis/nfhl/rest/services/public/NFHL/MapServer>
Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/15/2024
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 Utuado Municipio, which is within a U.S. Environmental Protection Agency (USEPA) designated attainment area. Project activities include new construction of a warehouse. 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:

PUERTO RICO

GO

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

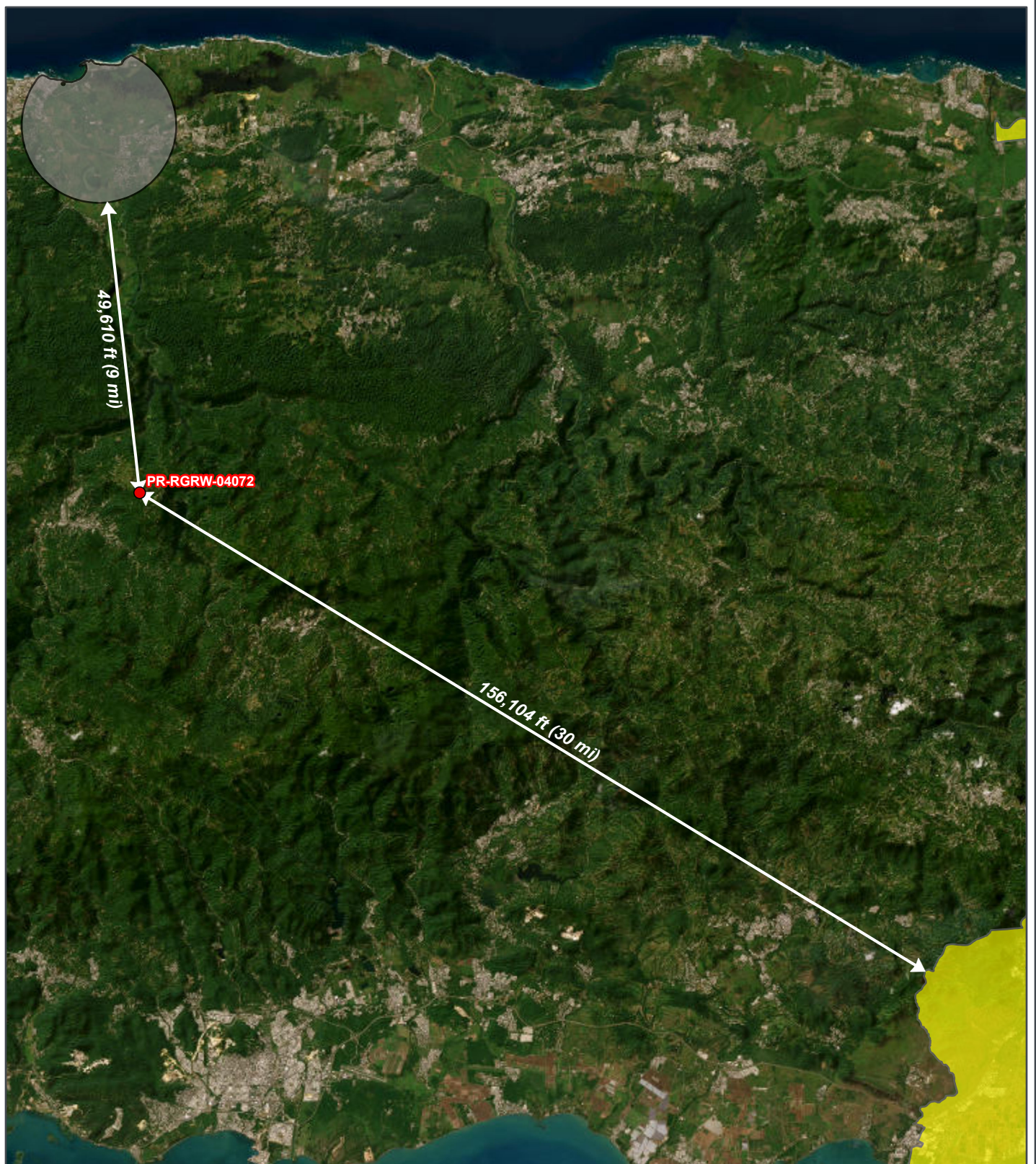
Discover.

Connect.

Ask.

Follow.

2023-02-28



REGROW PROGRAM

Figure B 4-1: Clean Air Map

Applicant ID: PR-RGRW-04072

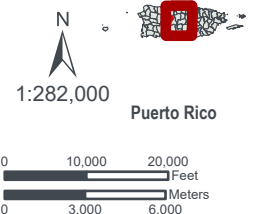


- Site
- ▨ 8-Hour Ozone (2015 Standard)*
- Lead (2008 Standard)
- PM-2.5 (2012 Standard)*
- Sulfur Dioxide (2010 Standard)

*No Data in Puerto Rico

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.489716°W 18.236717°N

Data Source: https://geopub.epa.gov/arcgis/rest/services/NEPAAssist/NEPAVELayersPublic_fgdb/MapServer
Base Map: ESRI ArcGIS Online, accessed July 2024
Updated: 7/15/2024
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 Samoa | 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.

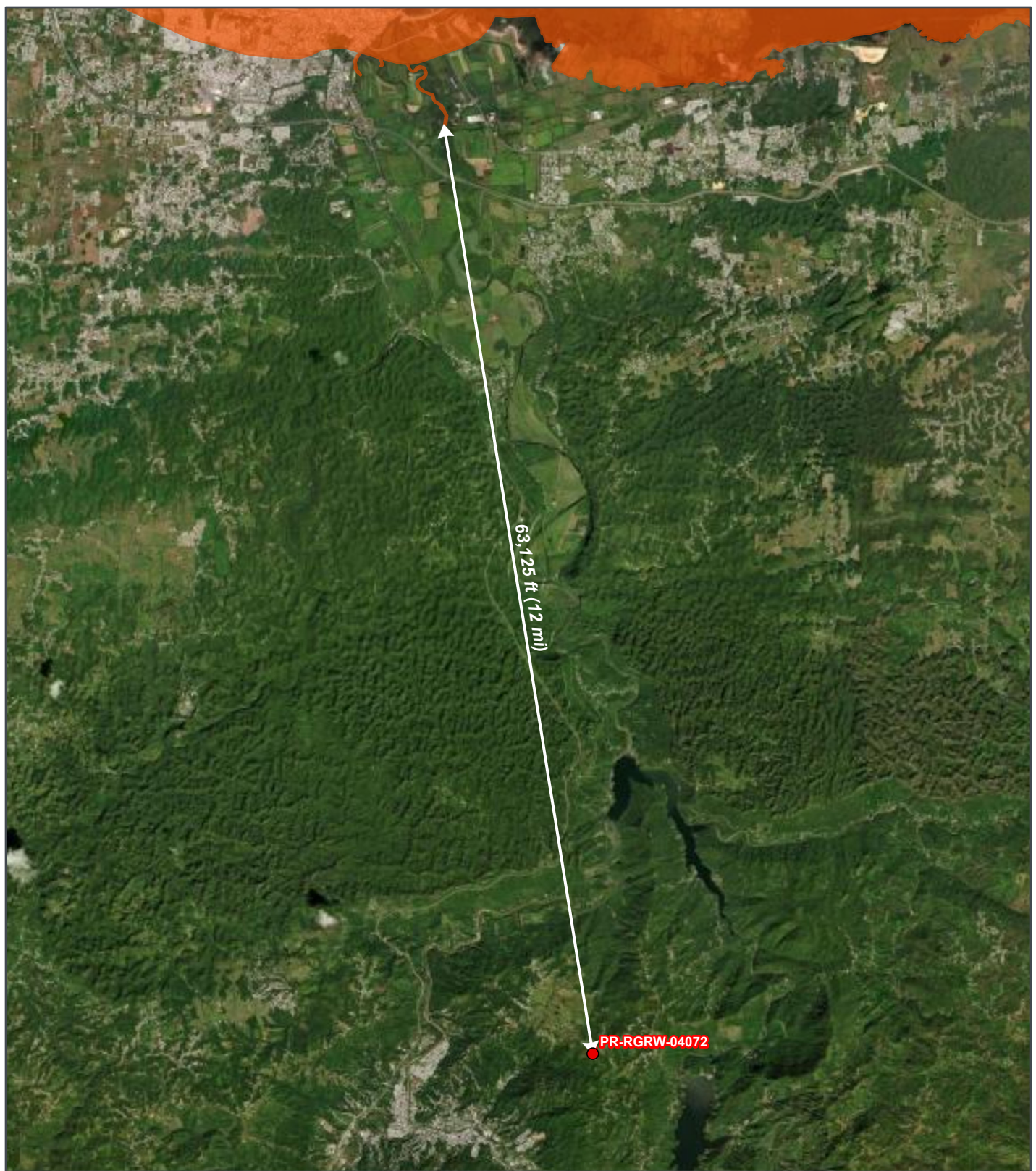
Worksheet Summary

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 63,185 feet (12 miles) from the project site. No further evaluation is required. The project is in compliance with the Coastal Zone Management Act.



REGROW PROGRAM

Figure B 5-1: Coastal Zone Management Map

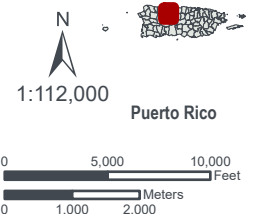
Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Coastal Management Zone

Bo. Sabana Grande Carr. 611 K 6
H 0
Utua, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.688524°W 18.366304°N

Data Source: [https://coast.noaa.gov/arcgis/rest/services/Hosted/CoastalZoneManagementAct/Base Map: ESRI ArcGIS Online](https://coast.noaa.gov/arcgis/rest/services/Hosted/CoastalZoneManagementAct/Base%20Map%20ESRI%20ArcGIS%20Online),
accessed July 2024
Updated: 7/15/2024
Layout: Coastal Zone Management
Aprx: 72428_ReGrowTier2Maps



Attachment 6

Contamination and Toxics Substances Partner Worksheet, Desktop Review Summary, Radon Agency Correspondence, 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.

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.

No RECs were identified in the site inspection. There is one water discharger approximately 1,116 feet away, but it does not pose a hazard to the project as no violations have been identified since June 2022.

→ 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.

The project site was evaluated for potential contamination by conducting a field site inspection on August 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, stained soil or vegetation and the project is in compliance with contamination and toxic substances requirements.

The project does not involve any occupied structures, and therefore, is exempt from considering radon as part of the site contamination analysis as per HUD Notice CDP- 23-103.

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.

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 parcel has been used for agricultural purposes and there has been no change in land use in the last 20 years. The project is located in a rural area of Utuado Municipio and will continue to be used for agricultural purpose.

The desktop review found one of the above-listed toxic, hazardous or radioactive substances within 3,000 ft of the project area. However, due to the site having no violations since June 2022 and its distance of 1,116 ft away from the site, the facility will not affect the health and safety of project occupants or conflict with the intended use of the property. The project is in compliance with contamination and toxic substances requirements.

Contamination and Toxics Sites Summary
Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641

| Database | Primary ID | Facility Name | Facility Address | Secondary ID | Latitude | Longitude | Distance (ft) | Status |
|------------------|--------------|------------------------------|----------------------|--------------|-----------|------------|---------------|--|
| Water Discharger | 110022861303 | PRASA SABANA GRANDE WARD WTP | ESTATE RD 611 KM 7.2 | 1675 | 18.281778 | -66.671222 | 1,116 | The site does not pose a hazard to the project; although it received violations for exceeding the permit max limits for BOD, 5-day, 20 deg. C, phosphorus, and chlorine within the last 3 years, no violations have been identified since June 2022. |

Search EPA.gov



[<https://echo.epa.gov/>](https://echo.epa.gov/)

[Search Options <https://epa.gov/>](https://epa.gov/)

[Analyze Trends <https://epa.gov/>](https://epa.gov/)

[Find EPA Cases <https://epa.gov/>](https://epa.gov/)

[Data Services <https://epa.gov/>](https://epa.gov/)

[Help <https://epa.gov/>](https://epa.gov/)

Detailed Facility Report



Detailed Facility Report

Facility Summary

PRASA - SABANA GRANDE WARD WTP

PR-611 KM 7.2, UTUADO, PR 00641 

FRS (Facility Registry Service) ID: 110022861303

EPA Region: 02

Latitude: 18.281778

Longitude: -66.671222

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

| Statute | CWA |
|---|-------------------------|
| Compliance Monitoring Activities (5 years) | 1 |
| Date of Last Compliance Monitoring Activity | 09/19/2019 |
| Compliance Status | No Violation Identified |
| Qtrs in Noncompliance (of 12) | 6 |
| Qtrs with Significant Violation | 0 |
| Informal Enforcement Actions (5 years) | -- |
| Formal Enforcement Actions (5 years) | -- |
| Penalties from Formal Enforcement Actions (5 years) | -- |
| EPA Cases (5 years) | -- |
| Penalties from EPA Cases (5 years) | -- |

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Major, Permit Expired (PR0026255)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

| | | | | | | | | | | | |
|------------------|--------|--------------|------------------------------------|------|--------|------|------------------------|----------------|----------|-----------|------------|
| FRS | | 110022861303 | | | | | | | N | 18.281778 | -66.671222 |
| ICJ NPDES System | Status | Record ID | Non-Major: NPDES Individual Permit | Unit | Status | Area | Permit Expiration Date | Indian Country | Latitude | Longitude | |

Facility Address

| | | | | | | |
|------|-------------|----------------|--------------------------------|----------------------------------|-------------------|-------------|
| FRS | | 110022861303 | PRASA - SABANA GRANDE WARD WTP | PR-611 KM 7.2, UTUADO, PR 00641 | Utuaudo Municipio | |
| ICSE | System ID ↑ | Satellite ID ↑ | Identifier ↑ | Facility Name ↑ | Address ↑ | County ↑ |
| | | | PRASA SABANA GRANDE WTP | ESTATE RD 611 KM 7.2, UTUADO, PR | Utuaudo | Puerto Rico |

Facility SIC (Standard Industrial Classification) Codes

| ICS System | Identifier | SIC Code | Water Supply | SIC Description |
|------------|------------|----------|--------------|-----------------|
| IC5-NRDES | PR00021255 | 9941 | Water Supply | |


Facility NAICS (North American Industry Classification System) Codes

System Identifier NAICS Code NAICS Description

Facility Industrial Effluent Guidelines

| Identifier | Effluent Guideline (40 CFR Part 136) | No Applicable Effluent Guideline Description |
|------------|--------------------------------------|--|
| P00021955 | 800 | |

Facility Tribe Information

Reservation Name 
Tribe Name 
EPA Tribal ID 
Distance to Tribe (miles) 

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

| Status | Source ID | System | Activity Type | Compliance Monitoring Type | Lead Agency | Date | Finding (if applicable) |
|--------|-----------|------------|-----------------------|----------------------------|-------------|------------|-------------------------|
| CWA | PR0026255 | ICIS-NPDES | Inspection/Evaluation | Base Program - Evaluation | EPA | 09/19/2019 | |

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy

<<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results

<<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

State
 School Year
 Current SNC (Significant Noncompliance)/HPV (High Priority Violation)
 Current ASD
 Qtrs with NC (Noncompliance) (of 12)
 Data Last Refreshed

Three-Year Compliance History by Quarter

| Statute | | | | | Program/Pollutant/Violation Type | QTR 1 | QTR 2 | QTR 3 | QTR 4 | QTR 5 | QTR 6 | QTR 7 | QTR 8 | QTR 9 | QTR 10 | QTR 11 | Q |
|---------|--|--|-------------|---------|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------|
| | CWA (Source ID: PR0026255) | | | | | 10/01-12/31/20 | 01/01-03/31/21 | 04/01-06/30/21 | 07/01-09/30/21 | 10/01-12/31/21 | 01/01-03/31/22 | 04/01-06/30/22 | 07/01-09/30/22 | 10/01-12/31/22 | 01/01-03/31/23 | 04/01-06/30/23 | 09/01-12/31/23 |
| | Facility-Level Status | | | | | Violation Identified | Violation Identified | Violation Identified | Violation Identified | Violation Identified | No Violation Identified | Violation Identified | No Violation Identified | No Violation Identified | No Violation Identified | No Violation Identified | Vic Ide |
| | Quarterly Noncompliance Report History | | | | | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Reportable Noncompliance | Resolved - Pending | Reportable Noncompliance | Resolved - Pending | Resolved - Pending | Resolved - Pending | Resolved - Pending | Re: - Pr |
| | Pollutant | | Disch Point | Mon Loc | Freq | | | | | | | | | | | | |

| Statute | Program/Pollutant/Violation Type | | | | QTR 1 | QTR 2 | QTR 3 | QTR 4 | QTR 5 | QTR 6 | QTR 7 | QTR 8 | QTR 9 | QTR 10 | QTR 11 | Q |
|--|---|---------|----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|----|
| ► CWA | BOD, 5-day, 20 deg. C <effluent-charts#pr0026255/00310> <https://epa.gov/effluent-charts#pr0026255/00310> | 001 - A | Effluent Gross | NMth | 51% | | | | | 26% | | | 145% | 69% | 258% | 6 |
| ► CWA | Chlorine, total residual <effluent-charts#pr0026255/50060> <https://epa.gov/effluent-charts#pr0026255/50060> | 001 - A | Effluent Gross | NMth | | 355% | | 536% | | | 245% | | | | | 11 |
| ► CWA | Phosphorus, total [as P] <effluent-charts#pr0026255/00665> <https://epa.gov/effluent-charts#pr0026255/00665> | 001 - A | Effluent Gross | NMth | 3% | | | | | | | | | | | |
| Late or Missing Discharge Monitoring Report (DMR) Measurements | | | | | | | | | | | | | | | | |
| Counts of Late DMR Measurements | | | | | | | | 8 | | | | | | | | |

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

| 12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database)) | WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database)) | State Water Body Name (ICIS (Integrated Compliance Information System)) | Beach Closures Within Last Year | Beach Closures Within Last Two Years | Pollutants Potentially Related to Impairment | Watershed with ESA (Endangered Species Act) listed Aquatic Species? |
|--|---|---|---------------------------------|--------------------------------------|---|---|
| 210100020407 | Rio Vivi | UTUADO CREEK | No | No | Ammonia & ammonium- total (as Cu) Phosphorus, total (as P) Temperature, water deg. centigrade Turbidity | No |

Assessed Waters From Latest State Submission (ATTAINS)

| State | Report Cycle | Assessment Unit ID | Assessment Unit Name | Water Condition | Cause Groups Impaired | Drinking Water Use | Ecological Use | Fish Consumption Use | Recreation Use | Other Use |
|-------|--------------|--------------------|-----------------------|--|--|--------------------|----------------|----------------------|----------------|-----------|
| PR | 2020 | PRNR7A2 | RIO GRANDE DE ARECIBO | Impaired - 303(d) Listed - With Restoration Plan | METALS (OTHER THAN MERCURY) NUTRIENTS PATHOGENS PESTICIDES TEMPERATURE TURBIDITY | Not Supporting | Not Supporting | -- | Not Supporting | -- |

Air Quality Nonattainment Areas

| Pollutant | Within Nonattainment Status Area? | Nonattainment Status Applicable Standard(s) | Within Maintenance Status Area? | Maintenance Status Applicable Standard(s) |
|--------------------------|-----------------------------------|---|---------------------------------|---|
| No data records returned | | | | |

Pollutants

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

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

No data records returned

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

Chemical Name



No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

| NPDES ID | Description | 2019 | 2020 | 2021 | 2022 | 2023 |
|-----------|--|--------|--------|--------|--------|--------|
| PR0026255 | DMR Pollutant Loadings (lb/year) | 569 | 150 | 4,810 | 504 | 2,732 |
| PR0026255 | DMR Pollutant Loadings - Load Over Limit (lb/year) | 0.2190 | 70.52 | 0.1243 | 26.49 | 11.46 |
| PR0026255 | DMR Conventional Loadings (lb/year) | -- | -- | -- | 100 | -- |
| PR0026255 | DMR Conventional Loadings - Load Over Limit (lb/year) | -- | -- | -- | 26.39 | -- |
| PR0026255 | DMR Toxic-Weighted Loadings (lb-eq/year) | 0.2938 | 0.0725 | 11.77 | 0.3821 | 0.1936 |
| PR0026255 | DMR Toxic-Weighted Loadings - Load Over Limit (lb-eq/year) | 0.1364 | 0 | 0.0622 | 0.0507 | 0 |

Community

Environmental Justice

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

EJScreen Indexes Shown

Compare to

☒

 US

☐ State

Index Type

☒

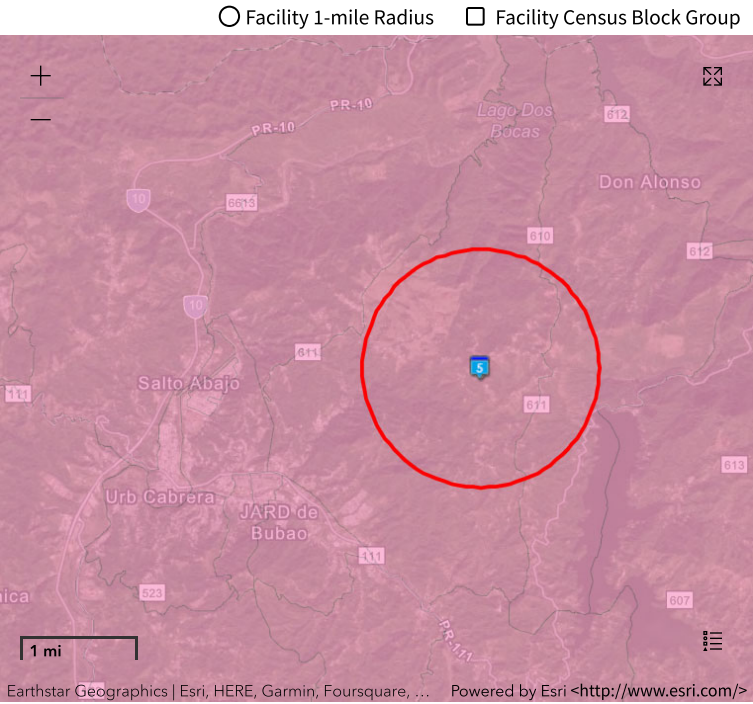
 Environmental Justice

☐ Supplemental

Related Reports

EJScreen Community Report

| Download Data | | |
|---|-----------------------------|------------|
| Census Block Group ID: 721419570001 | US (Percentile) | |
| Supplemental Indexes | Facility Census Block Group | 1-mile Max |
| Count of Indexes At or Above 80th Percentile | 4 | 4 |
| Particulate Matter 2.5 | 0 | -- |
| Ozone | 0 | -- |
| Diesel Particulate Matter | 0 | -- |
| Air Toxics Cancer Risk | 36 | 36 |
| Air Toxics Respiratory Hazard Index | 91 | 91 |
| Toxic Releases to Air | 69 | 69 |
| Traffic Proximity | 67 | 67 |
| Lead Paint | 88 | 89 |
| Risk Management Plan (RMP) Facility Proximity | 54 | 63 |
| Hazardous Waste Proximity | 72 | 75 |
| Superfund Proximity | 99 | 99 |
| Underground Storage Tanks (UST) | 0 | -- |
| Wastewater Discharge | 97 | 99 |



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing

methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

| | | | |
|--|--------------|---|--------------|
| General Statistics (U.S. Census) | | Age Breakdown (U.S. Census) - Persons (%) | |
| Total Persons | 1,084 | Children 5 years and younger | 61 (6%) |
| Population Density | 351/sq.mi. | Minors 17 years and younger | 267 (25%) |
| Housing Units in Area | 438 | Adults 18 years and older | 817 (75%) |
| General Statistics (ACS (American Community Survey)) | | Seniors 65 years and older | 149 (14%) |
| Total Persons | 1,127 | Race Breakdown (U.S. Census) - Persons (%) | |
| Percent People of Color | 99% | White | 1,010 (93%) |
| Households in Area | 384 | African-American | 35 (3%) |
| Households on Public Assistance | 73 | Hispanic-Origin | 1,077 (99%) |
| Persons With Low Income | 940 | Asian/Pacific Islander | 0 (0%) |
| Percent With Low Income | 83% | American Indian | 3 (0%) |
| Geography | | Other/Multiracial | 37 (3%) |
| Radius of Selected Area | 1 mi. | Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%) | |
| Center Latitude | 18.281778 | Less than 9th Grade | 88 (11.41%) |
| Center Longitude | -66.671222 | 9th through 12th Grade | 73 (9.47%) |
| Land Area | 100% | High School Diploma | 201 (26.07%) |
| Water Area | 0% | Some College/2-year | 149 (19.33%) |
| Income Breakdown (ACS (American Community Survey)) - Households (%) | | B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More | 190 (24.64%) |
| Less than \$15,000 | 120 (31.25%) | | |
| \$15,000 - \$25,000 | 108 (28.13%) | | |
| \$25,000 - \$50,000 | 105 (27.34%) | | |
| \$50,000 - \$75,000 | 39 (10.16%) | | |
| Greater than \$75,000 | 12 (3.13%) | | |

^ Top of Page



Discover.

Accessibility

<<https://www.epa.gov/accessibility>>

Budget & Performance

<<https://www.epa.gov/planandbudget>>

Contracting

<<https://www.epa.gov/contracts>>

EPA www Web Snapshots

<<https://www.epa.gov/home/wwwepagov-snapshots>>

Grants <<https://www.epa.gov/grants>>

No FEAR Act Data

<<https://www.epa.gov/ocr/whistleblower-protections-epa-and-how-they-relate-non-disclosure-agreements-signed-epa-employees>>

Privacy

<<https://www.epa.gov/privacy>>

Privacy and Security Notice

<<https://www.epa.gov/privacy/privacy-and-security-notice>>

Connect.

Data.gov

<<https://www.data.gov/>>

Inspector General

<<https://www.epa.gov/office-inspector-general/about-epas-office-inspector-general>>

Jobs <<https://www.epa.gov/careers>>

Newsroom

<<https://www.epa.gov/newsroom>>

Open Government

<<https://www.epa.gov/data>>

Regulations.gov

<<https://www.regulations.gov/>>

Subscribe

<<https://www.epa.gov/newsroom/email-subscriptions-epa-news-releases>>

USA.gov <<https://www.usa.gov/>>

White House

<<https://www.whitehouse.gov/>>

Ask.

Contact EPA

<<https://www.epa.gov/aboutepa/forms/contact-epa>>

EPA Disclaimers

<<https://www.epa.gov/web-policies-and-procedures/epa-disclaimers>>

Hotlines

<<https://www.epa.gov/aboutepa/epa-hotlines>>

FOIA Requests

<<https://www.epa.gov/foia>>

Frequent Questions

<<https://www.epa.gov/aboutepa/frequent-questions-specific-epa-programtopics>>

Follow.



Last updated on September 21,
2022

Data Refresh Information

<[https://epa.gov/resources/echo-](https://epa.gov/resources/echo-data/about-the-data#sources)
data/about-the-data#sources>

Radon Attachments



August 20, 2024

Mrs. Carmen R. Guerrero Pérez
Director
Caribbean Environmental Protection Division
City View Plaza II – Suite 7000
#48 Rd. 165 km 1.2
Guaynabo, PR 00968-8069

Via email: guerrero.carmen@epa.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Barbosa Ave. #606, Building Juan C. Cordero Davila, Rio Piedras, PR 00918 | PO Box 21365 San Juan, PR 00928-1365
Tel: (787) 274-2527 | www.usenda.pr.gov



August 20, 2024

Dr. Silvina Cancelos
Professor
College of Engineering
University of Puerto Rico – Mayagüez Campus
259 Norte Blvd. Alfonso Valdés Cobián
Mayagüez, Puerto Rico

Via email: silvina.cancelos@upr.edu

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Barbosa Ave. #606, Building Juan C. Cordero Davila, Rio Piedras, PR 00918 | PO Box 21365 San Juan, PR 00928-1365
Tel: (787) 274-2527 | www.usenda.pr.gov

Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements. If some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc:

Mr. Oleg Pavetko, Pavetko.Oleg@epa.gov
Mr. Matthew Laitila, laitila.matthew@epa.gov

Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements. If some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc:

Dr. Carlos Marín, carlos.marin3@upr.edu



August 20, 2024

Dr. Jessica Izárry
Director
Office of Island Affairs
U.S. Centers for Disease Control and Prevention
1324 Cll Canada, San Juan, 00920
Guaynabo, PR 00968-8069

Via email: OIA@cdc.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Barbosa Ave. #606, Building Juan C. Cordero Dávila, Río Piedras, PR 00918 | PO Box 21365 San Juan, PR 00928-1365
Tel. (787) 274-2527 | www.viviendap.rg.pr.gov

CDBG-DR/MIT Program
Request for Information in relation with HUD CPD-23-103 for Puerto Rico
Page 2 / 2

Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements, if some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary



August 20, 2024

Mrs. Anais Rodríguez
Secretary
Puerto Rico Department of Natural Resources
Carretera 8838, km. 6.3, Sector El Cinco,
Río Piedras San Juan, PR 00926

Via email: anais.rodriguez@dma.pr.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Barbosa Ave. #606, Building Juan C. Cordero Dávila, Río Piedras, PR 00918 | PO Box 21365 San Juan, PR 00928-1365
Tel. (787) 274-2527 | www.viviendap.rg.pr.gov

CDBG-DR/MIT Program
Request for Information in relation with HUD CPD-23-103 for Puerto Rico
Page 2 / 2

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements. If some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Luis Márquez, secretariogaire@dma.pr.gov
Eng. Amarilis Rosario, aire@dma.pr.gov
Mrs. Elid Ortega, ortega@dma.pr.gov



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Dr. Carlos R. Mellado López
Secretary
Puerto Rico Department of Health
PO Box 70184
San Juan, PR 00936-8184

Via email: dr.carlos.mellado@salud.pr.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the Islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Barbosa Ave. #606, Building Juan C. Cordero Dávila, Río Piedras, PR 00981 | PO Box 21365 San Juan, PR 00928-1365
Tel. (787) 274-2527 | www.cdh.pr.gov



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Mrs. Holly Weyers
Regional Director, Southeast – Puerto Rico
US Geological Survey
3916 Sunset Ridge Road
Raleigh, NC 27607

Via email: hweyers@usgs.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the Islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Barbosa Ave. #606, Building Juan C. Cordero Dávila, Río Piedras, PR 00981 | PO Box 21365 San Juan, PR 00928-1365
Tel. (787) 274-2527 | www.cdh.pr.gov

CDBG-DR/MIT Program
Request for Information in relation with HUD CDP-23-103 for Puerto Rico
Page 2 / 2

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements. If some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Raúl Hernández Dabla, rhernandez2@salud.pr.gov

CDBG-DR/MIT Program
Request for Information in relation with HUD CDP-23-103 for Puerto Rico
Page 2 / 2

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements. If some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. R. Randall Schumann, rschumann@usgs.gov

From: Charp, Paul (CDC/NCEH/DEHSP) <pac4@cdc.gov>
Sent: Tuesday, September 3, 2024 6:36 AM
To: Miranda, Sandra (CDC/PHIC/DPS); Irizarry, Jessica (CDC/PHIC/DPS); Rzeszutarski, Peter (CDC/NCEH/DEHSP); Vinson, D. Aaron (CDC/NCEH/DEHSP)
Cc: Kostak, Liana (CDC/PHIC/DPS); Vazquez, Germaine (CDC/NCEH/DEHSP)
Subject: RE: REHi: Puerto Rico Request for Information- Randon testing and levels

Good morning, Sandra and others,

In response to the request from Mr. William Rodriguez of the Department of Housing, Government of Puerto Rico, I have reviewed all the available data within the CDC National Environmental Public Health Tracking Network system for data related to radon in Puerto Rico. In addition to the tracking data available on the internet, I also reached out to Mr. Aaron Vinson of the NCEH Tracking Branch.

I was not able to find any data in the CDC systems and this was confirmed by Mr. Vinson. We also reached out the US Environmental Protection Agency who indicated they had no radon data in their systems. Please relay this information to Mr. Rodriguez in your response to his requests

If you have any additional questions, please contact me.

Thank you and best regards,

Paul A. Charp, Ph.D., Fellow, HPS
Senior Health Physicist
Emerging Environmental Hazards and Health Effects Branch (EEHHEB)
Division of Environmental Health Science and Practice (DEHSP)
National Center for Environmental Health (NCEH)
Centers for Disease Control and Prevention (CDC)
pcharp@cdc.gov
770-488-0723 office
404.388.0614 Cell



From: Schumann, R. Randall <rschumann@usgs.gov>
Sent: Wednesday, August 21, 2024 4:39 PM
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>; Weyers, Holly S <hsweyers@usgs.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>
Subject: RE: Request for Information- Radon testing and levels

Dear Ms. Medina Smaine,

In the early 1990s the U.S. Geological Survey (USGS) conducted geologic assessments of radon potential for all 50 states and the territories of Guam and Puerto Rico, in collaboration with the U.S. EPA. I conducted the geologic radon potential assessment for Puerto Rico. The PDF file of the report is too large to attach to this message but it can be obtained at <https://pubs.usgs.gov/of/1993/0292k/report.pdf>. The USGS did not conduct indoor radon testing and we did not conduct field studies associated with this assessment; it was based on existing data. Mr. David Saldana of the Puerto Rico Department of Health kindly provided us with data for 610 homes that were tested for indoor radon by his agency between 1993 and 1995, which are summarized in the report. I am not aware of any other radon-related geologic studies conducted in the Commonwealth of Puerto Rico by the U.S. Geological Survey.

Best regards,

R. Randall Schumann
Scientist Emeritus
U.S. Geological Survey
Geosciences and Environmental Change Science Center
Denver, Colorado, USA
rschumann@usgs.gov
<https://www.usgs.gov/staff-profiles/r-randall-schumann>

From: Raul Hernandez Doble <rhernandez2@salud.pr.gov>
Sent: Wednesday, August 21, 2024 2:13:31 PM
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>; Dr. Carlos Mellado <drcarlos.mellado@salud.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Mayra Toro Tirado <mtoro@salud.pr.gov>
Subject: RE: [EXTERNAL] Request for Information- Radon testing and levels

Good afternoon. Ms. Medina

I regret to inform that we do not have any recent information on radon testing, since we do not have a certified radiation laboratory certified for radon testing. There are companies that sell test kits available online that can be done and mailed to a testing laboratory. There are also lists of radon contractors and these companies that process radon testing cartridges with instructions, on the Environmental Protection Agency Indoor air Quality web page. The last radon study in Puerto Rico done by the PR Department of Health was done on the year 1993.

Raul Hernandez Doble
Director, Seccion Salud Radiologica
Division de Salud Ambiental
Secretaria Auxiliar para la Vigilancia y la Proteccion de la Salud Publica
rhernandez2@salud.gov.pr
Phone: (787)765-2929 ext. 3210

From: Reyes, Brenda <Reyes.Brenda@epa.gov>
Sent: Wednesday, September 18, 2024 11:48 AM
To: Cesar O Rodriguez Santos <cesarrodriguez@drna.pr.gov>; Maritza Rosa Olivares <maritzarosaolivares@drna.pr.gov>; Silvina Cancelos Mancini <silvina.cancelos@upr.edu>; Melanie Medina Smaine <mmedina@vivienda.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Povetko, Oleg (he/him/his) <Povetko.Oleg@epa.gov>
Subject: RE: Request for Information- Randon testing and levels

Saludos.

La EPA esta trabajando una respuesta a su petición. Se sometió borrador a la directora y el subdirector para su aprobación y firma.

Brenda Reyes Tomassini
Public Affairs
U.S. EPA
Region 2
Caribbean Environmental Protection Division
(787) 977-5869/(787) 977-5865
Mobile: 202-834-1290

From: Silvina Cancelos Mancini <silvina.cancelos@upr.edu>
Sent: Friday, September 6, 2024 15:04
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Maritza Rosa Olivares <maritzarosaolivares@drna.pr.gov>; Reyes, Brenda <Reyes.Brenda@epa.gov>; Povetko, Oleg <Povetko.Oleg@epa.gov>
Subject: Re: Request for Information- Randon testing and levels

Estimada Melanie Medina

Quería dejarle saber que recibimos su correo el 21 de agosto al igual que el de Maritza Rosa el pasado 4 de septiembre. Ya las personas involucradas de EPA, junto conmigo y el Dr. Marín estamos al tanto del asunto y estamos trabajando para poder enviarles la información.

Atentamente

Silvina Cancelos
Professor
Associate Director
Mechanical Engineering Department
University of Puerto Rico - Mayaguez
Call BOX 9000 Mayaguez PR 00680
Tel: 787-832-4040 ext 5956
email: silvina.cancelos@upr.edu



Bubble Dynamics Lab
University of Puerto Rico - Mayaguez



EPA REGION 2
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION

September 23, 2024

VIA EMAIL

William O. Rodriguez Rodriguez, Esq.
Secretary
Puerto Rico Department of Housing
Barbosa Ave. 606 Building Juan C. Cordero
San Juan, PR 00917
Email: W.Rodriguez@vivienda.pr.gov

RE: EPA Response to August 20, 2024 request for information of data on radon testing and levels in Puerto Rico

Dear Honorable Secretary Rodriguez Rodriguez:

This communication is in response to your letter of August 20, 2024 addressed to the Puerto Rico Department of Natural and Environmental Resources (DNER) and referred to the U.S. Environmental Protection Agency (EPA) regarding available data on radon testing and levels within Puerto Rico.

EPA's National Radon Action Plan 2021–2025 sets a goal for the nation to find, fix and prevent high indoor radon levels in 8 million buildings by 2025 and prevent 3,500 lung cancer deaths per year. Under this Plan, leaders from across multiple sectors are working together to plan, guide, and sustain nationwide action to prevent exposure to radon.

Due to the lack of data in Puerto Rico, EPA undertook an investigation in collaboration with the University of Puerto Rico-Mayaguez (UPRM) Campus, Departments of Civil Engineering and Surveying and Mechanical Engineering, to find out if radon presented a problem in Puerto Rico. Up until 2021, the only data we had for Puerto Rico was a 1993-1995 mail-in radon screening study referred to by the U.S. Geological Survey report (USGS, 1995) in which the USGS concluded that several areas of Puerto Rico have the geologic potential to generate indoor radon levels exceeding the EPA Action Level of 4 pCi/L (picocuries per liter), perhaps locally reaching very high levels above 50 pCi/L, if a house construction and

ventilation allow for soil-gas radon to enter and concentrate within the structure.¹ According to the USGS report, most of these areas are located in the northwest part of the island. Please note that the actual 1993-1995 study documentation is not available to the EPA.

Typical radon testing technology used in mainland United States (charcoal canisters or electric-powered devices) are impractical in Puerto Rico because of high humidity and power outages. The recovery and rebuilding of communities following the aftermath of 2017 Hurricanes Irma and Maria presented an opportunity to develop radon prevention and mitigation strategies in 2019. Initially, EPA sampled indoor radon air in over 170 single-family residences in the municipalities of San Sebastian, Lares, Ciales, Arecibo, Morovis, Camuy, and Hatillo and later expanded the project to other municipalities such as Rincon, Aguada, Aguadilla, Isabela, Quebradillas, Barceloneta and Vega Baja. The quality assurance protocols were anchored in American National Standards Institute/American Association of Radon Scientists and Technologists (ANSI/AARST) standards of practice (ANSI/AARS, 2019). The sampling was designed in two stages: scoping and confirmatory sampling. The scoping sampling was conducted using Corentium Home (CH) electronic monitors and E-Perm systems. Locations measuring above the EPA Action Level of 4 pCi/L with CH were measured at the second stage of the sampling using RAD7 and Corentium Pro Continuous Radon Monitors (CRMs). Nationally certified radon sampling professionals led by one such professional from the UPRM conducted confirmatory sampling in the second stage. Also, during the study, the nationally certified radon mitigation professionals inspected several homes with elevated indoor radon levels.

Mapping radon in Puerto Rico proved to be a complicated endeavor given the COVID-19 pandemic in 2020. EPA and UPRM continue to work on the project, however, results have not been finalized, and no scientific report has been published yet. Unfortunately, EPA cannot share preliminary data at this time because it contains privileged information. Nevertheless, preliminary data from the study does show homes with levels over 4 pCi/L (EPA Action Level) that might need mitigation to protect the health of their inhabitants.

Although many states have developed laws and regulations governing radon disclosure, certification, and mitigation, Puerto Rico lacks legislation or mandatory radon testing provisions for new construction, remodeling, selling or buying homes. Given this loophole and aiming to answer your request, the EPA can provide information on Best Management Practices for sampling indoor radon in Puerto Rico.

¹ Reference: USGS. Geologic Radon Potential of Guam and Puerto Rico, Report 93-292-K. Washington, DC: USGS. Retrieved 9/11/2024, from <https://pubs.usgs.gov/of/1993/0292k/report.pdf>.

CITY VIEW PLAZA II BUILDING, 7TH FLOOR
ROUTE 185 GUAYNABO, PR 00988

2

If you have any questions or need any additional information, please contact me at 787-977-5865 or guerrero.carmen@epa.gov or have your staff contact Reyes, Brenda at reyes.brenda@epa.gov or (787) 977-5869.

Sincerely,

CARMEN
GUERRERO
PEREZ

Carmen R. Guerrero Pérez
Director

Digitally signed by
CARMEN GUERRERO PEREZ
Date: 2024.09.23 09:41:39
-04'00'

cc: Roberto Mendez, Esq (Acting Secretary, PR Department of Natural and Env. Resources)
Melany Medina: mmedina@vivienda.pr.gov
Elaine Dume Mejia: Edume@vivienda.pr.gov
Luz S Colon Ortiz: Lcolon@vivienda.pr.gov
Aldo A. Rivera-Vazquez: arivera@vivienda.pr.gov
Cesar O. Rodriguez: cesarrodriiguez@drna.pr.gov
Marita Rosa Olivares: maritazarosaolivares@drna.pr.gov



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

Memorandum to File

Date: September 30, 2024

From: Heath Anderson, Ph.D.
Deputy Program Manager
CDBG-DR Program
Re-Grow PR Urban-Rural Agriculture Program, Grant number B-17-DM-72-0001 &
B-18-DP-72-0001
Puerto Rico Department of Housing

Application Number: PR-RGRW-04072

Project: Kenneth Rivera Zeda

Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number [PR-RGRW-04072] under the Re-Grow PR Urban-Rural Agriculture Program, administered by the Puerto Rico Department of Housing (**PRDOH**), to complete the property's contamination analysis in accordance with 24 C.F.R. § 50.3(i) and 24 C.F.R. § 58.5(i), we have determined that testing the property's radon levels is infeasible and impracticable.

Per the U.S. Department of Housing and Urban Development's (**HUD**) CPD Notice 23-103, the recommended best practices and alternative options for radon testing are infeasible and impracticable in this case due to the following reasons:

- As required by the CPD Notice 23-103, the scientific data reviewed in lieu of testing must consist of a minimum of ten documented test results over the previous ten years. If there are less than ten documented results over this period, it is understood that there is a lack of scientific data. The latest report for radon testing in Puerto Rico was prepared in 1995 by the U.S. Department of the Interior in Cooperation with the U.S. Environmental Protection Agency. No other completed studies and reports on radon testing are available in Puerto Rico.
- There is no available science-based or state-generated information for Puerto Rico for the last ten years that can be used to determine whether the project site is in a high-risk area. The Department of Health and Human Services, Centers for

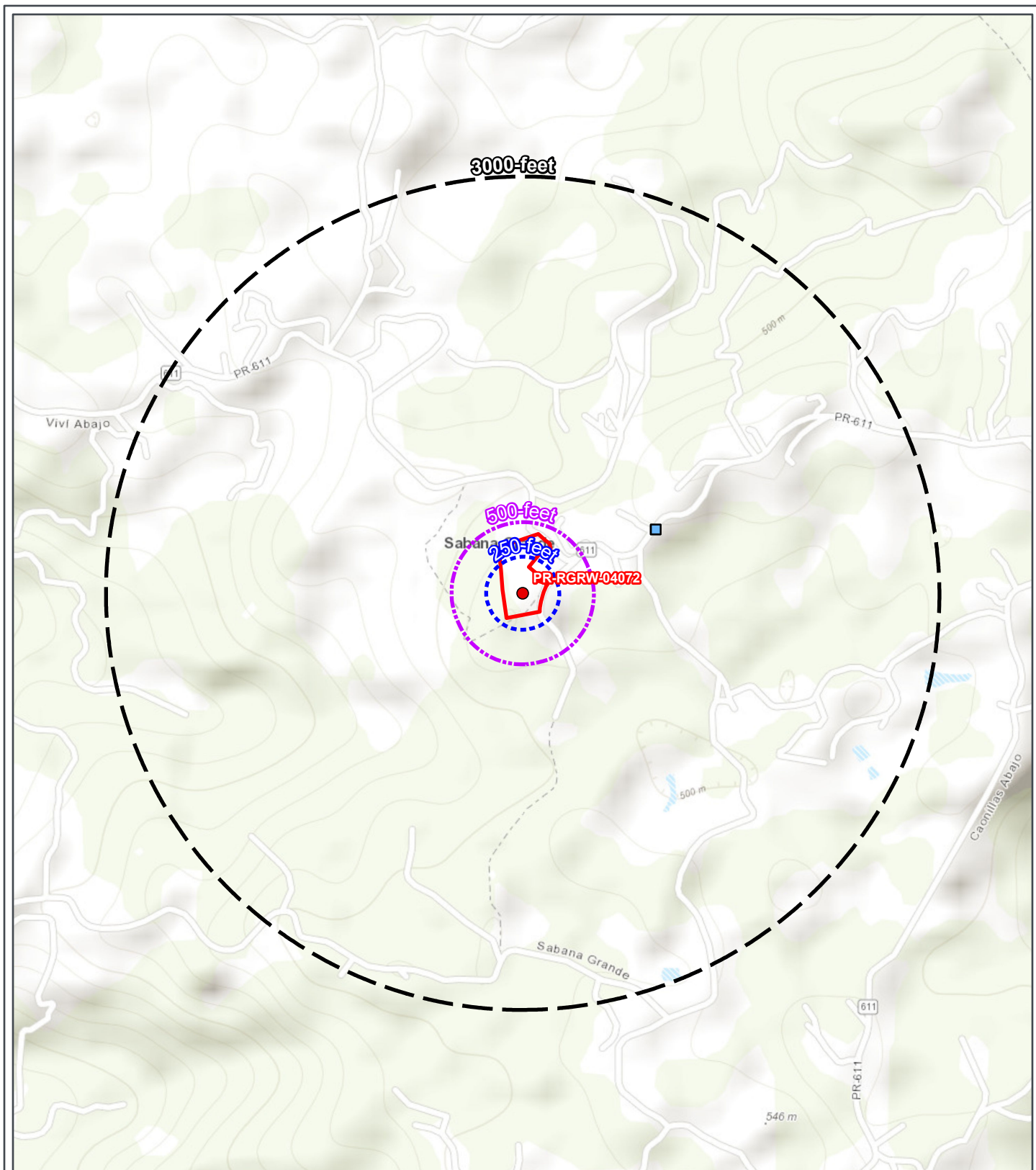
Disease Control and Prevention (**CDC**), National Environmental Public Health Tracking, and Radon Testing map do not include Puerto Rico data.

- There are only two (2) licensed professionals in Puerto Rico who can conduct radon testing using the American National Standards Institute/American Association of Radon Scientists and Technologists (**ANSI/AARST**) testing standards, which makes it difficult, time-consuming, and highly expensive to coordinate and secure a site visit for the contamination evaluation.
- Do-it-yourself (**DIY**) radon test kits are known to be unreliable in assuring and controlling the quality of the test results; they are not readily available in Puerto Rico, and the cost and time required for purchasing and sending them for analysis are unreasonable when weighed against the results' reliability and the need for prompt results.
- Local authorities in Puerto Rico do not have the specialized radon monitoring equipment or trained staff needed to conduct the radon testing analysis and ensure proper quality control and quality assurance practices are adhered to. We also do not have a radiation laboratory certified for radon testing.
- The project does not involve any occupied structures, and therefore, is exempt from considering radon as part of the site contamination analysis as per HUD Notice CDP- 23-103.

As part of the evaluation for this determination, PRDOH sent information requests to six (6) local agencies at the state and federal levels. We received responses from the following agencies:

- United States Geological Survey;
- Centers for Disease Control and Prevention;
- Puerto Rico Department of Health; and
- United States Environmental Protection Agency.

The agencies mentioned above confirmed the lack of scientific data on Radon testing for Puerto Rico and the technical difficulties that we face to comply with HUD's Radon testing requirement. For the above-mentioned reasons, Radon testing is infeasible and impracticable for this property, and no further consideration of Radon is needed for the environmental review.



REGROW PROGRAM

Figure B 6-1: Contamination and Toxic Substances Map

Applicant ID: PR-RGRW-04072

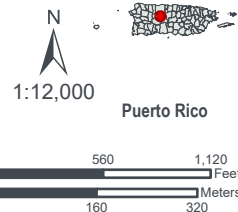
SWCA
ENVIRONMENTAL CONSULTANTS

- 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

Bo. Sabana Grande Carr. 611 K 6
H 0
Utua, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°N

Data Source: <https://geopub.epa.gov/arcgis/rest/services/EMEF/le/points/MapServer>
Base Map: ESRI ArcGIS Online, accessed July 2024
Updated: 7/15/2024
Layout: Contamination and Toxic Substances



Attachment 7

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



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

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

Endangered Species Act (CEST and EA) – PARTNER

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

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

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

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

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

Explain your determination:

[Click here to enter text.](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Worksheet Summary

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

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

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

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 databases. The review identified four federally listed species, the Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*), Puerto Rican parrot (*Amazona vittata*), Puerto Rican boa (*Chilabothrus inornatus*), and Puerto Rican harlequin butterfly (*Atlantea tulita*) with the potential to occur within the project area. The project is located 12,358 feet (2 miles) from the closest designated critical habitat.

The project area is adjacent to forested areas; therefore, the applicant will employ conservation measures for all four species, as outlined in Appendix E, including but not limited to issuing a stop work if a Puerto Rican boa were to occur within the project area, and contacting the Puerto Rico Department of Natural and Environmental Resources for safe capture and relocation of the individual if such action is required. As such, it is anticipated that the project may affect, but is not likely to adversely affect the Puerto Rican broad-winged hawk, Puerto Rican parrot, Puerto Rican boa, and the Puerto Rican harlequin butterfly.. See the attached USFWS informal consultation request and subsequent concurrence, dated September 20, 2024.



United States Department of the Interior

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



In Reply Refer to:
FWS/R4/CESFO/72141-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-04072 Kenneth
Rivera Zeda, Utuado, Puerto Rico

Dear Mr. Pérez-Bofill

Thank you for your letter dated August 29, 2024, requesting informal consultation 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) is proposing the construction of a new warehouse (20 feet (ft) x 20 ft). The proposed hangar will be located on a 3.57-acre property on State Road PR-611, Km. 6.0, Bo. Sabana Grande Ward (18°16'49.6"N 66°40'26.4"W) in the municipality of Utuado. No tree clearing or vegetation clearing will be required.

Using the U.S. Fish and Wildlife Service's (Service) Information for Planning and Consultation (IPaC) system, the PRDOH has determined that the proposed project site is located within the range of Puerto Rican boa (*Chilabothrus inornatus*), Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*), Puerto Rican parrot (*Amazona vittata*) and Puerto Rican harlequin butterfly (*Atlantea tulita*).

PRDOH used the Caribbean Determination Key (DKey) in the IPaC application to evaluate the potential impacts of the proposed project on federally listed species (Project code: 2024-0129446). Based on the answers provided, a consistency letter was obtained for the Puerto Rican boa, which determined that the proposed actions for this project may affect, but is likely to adversely affect (MLAA) this species. As for the Puerto Rican broad-winged hawk a may affect, but is not likely to adversely affect (NLAA) determination was obtained.

However, based on the nature of the project, scope of work, information available, and analysis of the existing habitat (mix of cleared and agricultural areas and associated structures, surrounded by forested areas), PRDOH has determined that the proposed project may affect, but is not likely to adversely affect (NLAA) the Puerto Rican boa instead of the MLAA obtained by using the DKey. Conservation measures developed by the Service for the Puerto Rican boa will be implemented in case an encounter with this species occur. As for the Puerto Rican parrot and Puerto Rican harlequin butterfly, PRDOH has determined that the proposed actions will NLAA these species with the implementation of conservation measures.

We have reviewed the information provided and in our files, and concur with PRDOH's determination that the proposed project may affect, but is not likely to adversely affect the Puerto Rican boa, Puerto Rican parrot and Puerto Rican harlequin butterfly with the implementation of the conservation measures. Also, the Service acknowledges receipt of the NLAA consistency letter for the Puerto Rican broad-winged hawk.

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 impact 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,

LOURDES
MENA

Digitally signed by
LOURDES MENA
Date: 2024.09.20
15:13:06 -04'00'

Lourdes Mena
Field Supervisor

drr

cc:
SWCA
HUD



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

10245 West Little York Road, Suite 600
Houston, Texas 77040
Tel 281.617.3217 Fax 281.617.3227
www.swca.com

August 13, 2024

Lourdes Mena
Field Supervisor
Caribbean Ecological Services Field Office
U.S. Fish and Wildlife Service
Office Park I, Suite 303
State Road #2 Km 156.5
Mayagüez, Puerto Rico 00680
Email: Caribbean_es@fws.gov; Lourdes_Mena@fws.gov

**Re: Federally Listed Threatened and Endangered Species Evaluation for the Puerto Rico
Department of Housing ReGrow PR-RGRW-04072 Project/ SWCA Project No. 72428**

Dear Ms. Mena:

SWCA Environmental Consultants (SWCA), on behalf of the Puerto Rico Department of Housing, is requesting informal consultation under Section 7(a)(2) of the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 *et seq.*), and in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 *et seq.*) for the proposed ReGrow PR-RGRW-04072 Project (project). The Project is located on 3.57 acres at Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 (18.28045351, -66.67401139).

The proposed Project involves the construction of a new warehouse. No tree clearing or vegetation removal will be required.

Using the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) system, we have determined that the proposed project lies within the range of the following federally listed species:

| Species | Listing Status |
|--|----------------|
| Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>) | Endangered |
| Puerto Rican Parrot (<i>Amazona vittata</i>) | Endangered |
| Puerto Rican Boa (<i>Chilabothrus inornatus</i>) | Endangered |
| Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</i>) | Threatened |

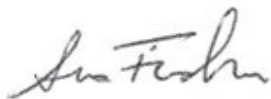
No designated or proposed critical habitat for any listed species was identified within the project area. Based on the nature of the project, scope of work, information available, and a careful analysis of the existing habitat, we have made the following effects determinations:

| Species | Effect Determination | Conservation Measures to be Implemented |
|--|--|--|
| Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>) | Not likely to adversely affect (NLAA) | Puerto Rican Broad-winged Hawk Conservation Measures |
| Puerto Rican Parrot (<i>Amazona vittata</i>) | Not likely to adversely affect (NLAA) | Puerto Rican Parrot Conservation Measures |
| Puerto Rican Boa (<i>Chilabothrus inornatus</i>) | Not likely to adversely affect (NLAA) | Puerto Rican Boa General Project Design Guidelines |
| Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</i>) | Not likely to adversely affect (NLAA) | Puerto Rican Harlequin Butterfly General Project Design Guidelines |

If a Puerto Rican Boa (PR Boa) is found in the project action site, work shall cease until the individual moves off on its own. If the PR Boa does not move off, the construction manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask for them to relocate the PR Boa.

In order to complete the informal consultation process, we are requesting your concurrence for the NLAA determinations included in this letter. Attached to this letter, we are including the documents used to reach our effect determinations for the listed species. If you have any questions or require any additional information, please contact me at (346) 388-1157 or susan.fischer@swca.com.

Sincerely,



Susan Fischer
Wildlife Ecologist
SWCA Environmental Consultants

Attachments:

Threatened and Endangered Species Technical Memorandum



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: August 13, 2024

Re: **Threatened and Endangered Species Evaluation for the Puerto Rico Department of Housing ReGrow PR-RGRW-04072 Project/ SWCA Project No. 72428**

Project Description

Kenneth Rivera Zeda, the applicant, is proposing to construct a new warehouse on a 3.57-acre property in the Municipio of Utuado, Puerto Rico (project) (Appendix A, Figure 1). The project is located at Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, Puerto Rico, 00641, in a rural area. The estimated dimensions of the warehouse will be approximately 20 feet (ft) by 20 ft (400 square feet), and will be constructed on four columns, all of which will be 2 ft by 2 ft and extend up to 3 ft deep (Appendix A, Figure 2).

Existing conditions

The existing habitat conditions at the proposed warehouse location consist of a mix of cleared and agricultural areas and areas associated structures. Forested areas lie adjacent to the south and southwest of the property. There is no stream or wetlands located within or adjacent to the warehouse location (Appendix A, Figure 3). Construction of the warehouse would not require removal of the vegetation within the proposed project area. Representative photographs of the proposed locations are provided in Appendix B.

Federally Protected Species

SWCA obtained a federal threatened and endangered species list from the USFWS (2024a) Information for Planning and Consultation (“IPaC”) website for a 100-foot buffer around the warehouse (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, four federally listed endangered species has the potential to occur in the review area; the Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*), Puerto Rican parrot (*Amazona vittata*), the Puerto Rican boa (*Chilabothrus inornatus*), and Puerto Rican harlequin butterfly (*Atlantea tulita*). 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”).

The bald and golden eagle’s range do not extend into Puerto Rico (Cornell Lab of Ornithology 2024); 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. Federally 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 | | | | |
| Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>) | FE | The Puerto Rican broad-winged hawk occurs in elfin woodland, sierra palm, caimitillo-granadillo, and tabonuco forest types of the Río Abajo Commonwealth Forest, Carite Commonwealth Forest, and El Yunque National Forest as well as within hardwood plantations, shade coffee plantations, and mature secondary forests (USFWS 2019a). | <i>Unlikely to occur.</i> Although there are forested areas located on the periphery of the review area, there are no forested areas present within the project area. | <i>May affect, but not likely to adversely affect.</i> See discussion below. |
| Puerto Rican Parrot (<i>Amazona vittata</i>) | FE | The Puerto Rican parrot is a frugivorous cavity nester. It depends on mature forests with large cavity forming trees. (USFWS 2009). It is currently confined to the Maricao Forest, El Yunque National Forest, and the Río Abajo Forest (USDA Forest Service 2024). | <i>Unlikely to occur.</i> There are no forested areas present within the project area. | <i>May affect, but not likely to adversely affect.</i> See discussion below. |
| Reptiles | | | | |
| Puerto Rican Boa (<i>Chilabothrus inornatus</i>) | FE | 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> Forested areas are located adjacent to the proposed project area. | <i>May affect, but not likely to adversely affect.</i> See discussion below. |
| Insects | | | | |
| Puerto Rican Harlequin Butterfly (<i>Atlantea tulita</i>) | FT | This species inhabits areas with moderately dense to dense canopy cover and dense vegetation and a source of water within a kilometer. Eggs and larvae are found only on the prickly bush (<i>Oplonia spinosa</i>), while adult butterflies feed on the nectar of several tree species and drink water (USFWS 2019b). | <i>Unlikely to occur.</i> There are no prickly bush plants or forested areas within the project area. | <i>May affect, but not likely to adversely affect.</i> See discussion below. |

*Status Definitions:

FE = Federally listed endangered; FT = Federally listed threatened

Based on a site visit and habitat evaluations, the Puerto Rican broad-winged hawk, Puerto Rican parrot, and Puerto Rican harlequin butterfly are considered unlikely to occur within the project area due to lack

of suitable habitat. Due to the generalist nature of the Puerto Rican boa and forested habitat surrounding the project area, the Puerto Rican boa may occur within the project area. The Caribbean Determination Key (DKey) was completed for the project, which generated a *may affect* determination for the Puerto Rican boa and a *may affect, not likely to adversely affect* determination for the Puerto Rican broad-winged hawk (Appendix D).

The project area is adjacent to forested areas; therefore, the applicant will employ conservation measures for all four species, as outlined in Appendix E, including but not limited to issuing a stop work if a Puerto Rican boa were to occur within the project area, and contacting the Puerto Rico Department of Natural and Environmental Resources for safe capture and relocation of the individual if such action is required. As such, it is anticipated that the project *may affect, but is not likely to adversely affect* the Puerto Rican broad-winged hawk, Puerto Rican parrot, Puerto Rican boa, and the Puerto Rican harlequin butterfly.

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. No designated critical habitats are present within 100-feet of any of the proposed project location options (Appendix A, Figure 4) (USFWS 2024b).

LITERATURE CITED

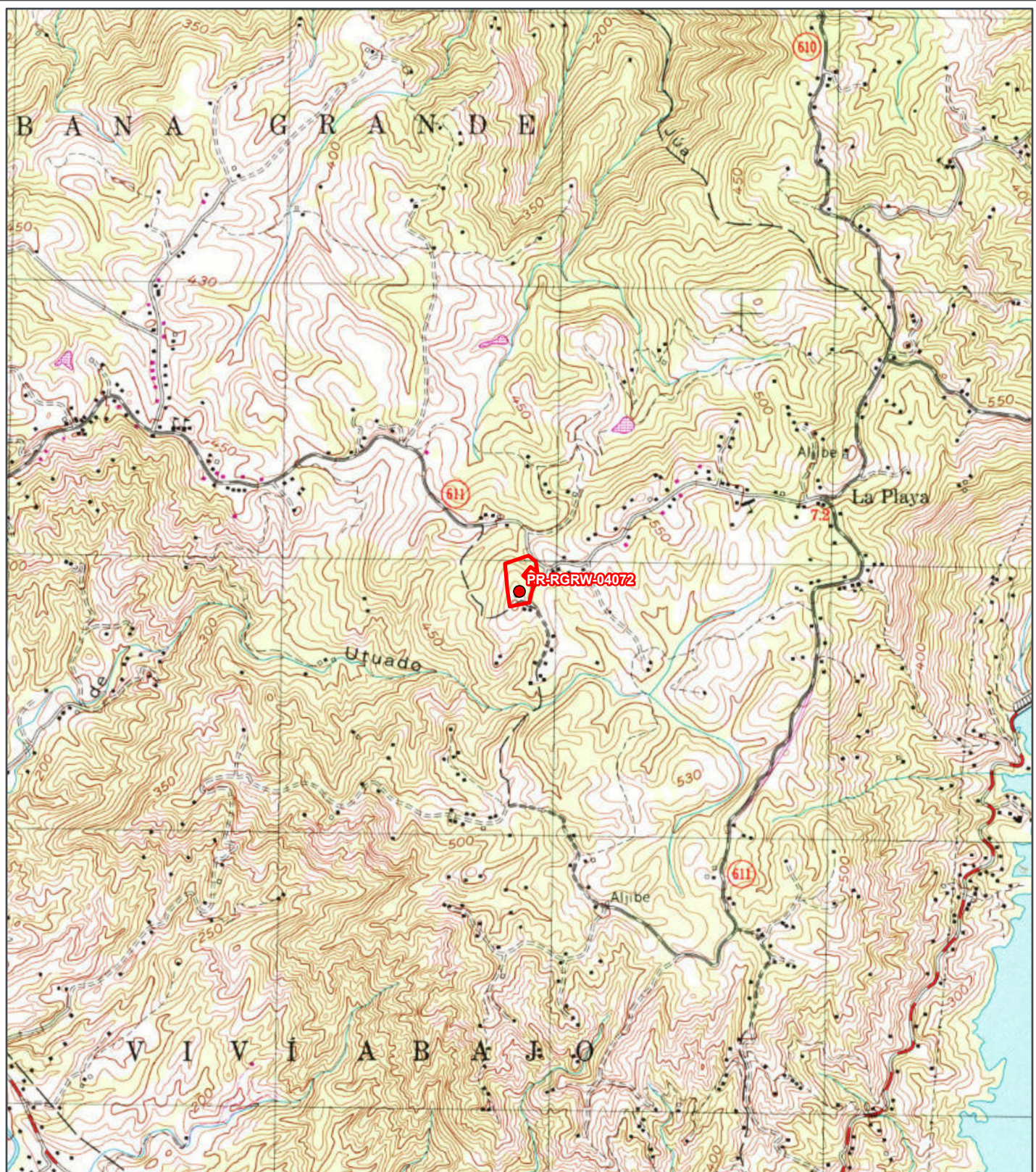
- Cornell Lab of Ornithology. 2024. All About Birds. Available at: <https://www.allaboutbirds.org/guide/>. Accessed August 2024.
- U.S. Department of Agriculture (USDA) Forest Service. 2024. the Iguaca, Puerto Rican Parrot. Available at: https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5338966.pdf. Accessed August 2024.
- 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.
- . 2019a. *Puerto Rican broad-winged hawk or guaraguao de bosque (Buteo platypterus brunnescens) 5-Year Review: Summary and Evaluation*. U.S. Fish and Wildlife Service, Southeast Region. Boquerón, Puerto Rico.
- . 2019b. *Species Status Assessment Report for the Puerto Rican Harlequin Butterfly (Atlantea tulita) Version 1.5*. U.S. Fish and Wildlife Service, Southeast Region. Atlanta, Georgia.
- . 2024a. Information for Planning and Consultation System (IPaC). Available at: <http://ecos.fws.gov/ipac/>. Accessed August 2024.
- . 2024b. Critical Habitat for Threatened & Endangered Species [USFWS]. Available at: <https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>. Accessed July 2024.

APPENDIX A

Maps

Figure 1

USGS Topographic Map



REGROW PROGRAM

USGS Topographic Map

Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Site Parcel

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°N

Base Map: ESRI ArcGIS Online,
accessed July 2024
Updated: 7/15/2024

Layout: USGS Topographic Map
Aprx: 72428_ReGrowTier2Maps

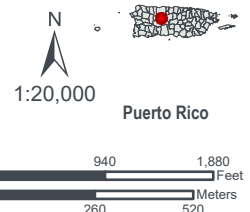
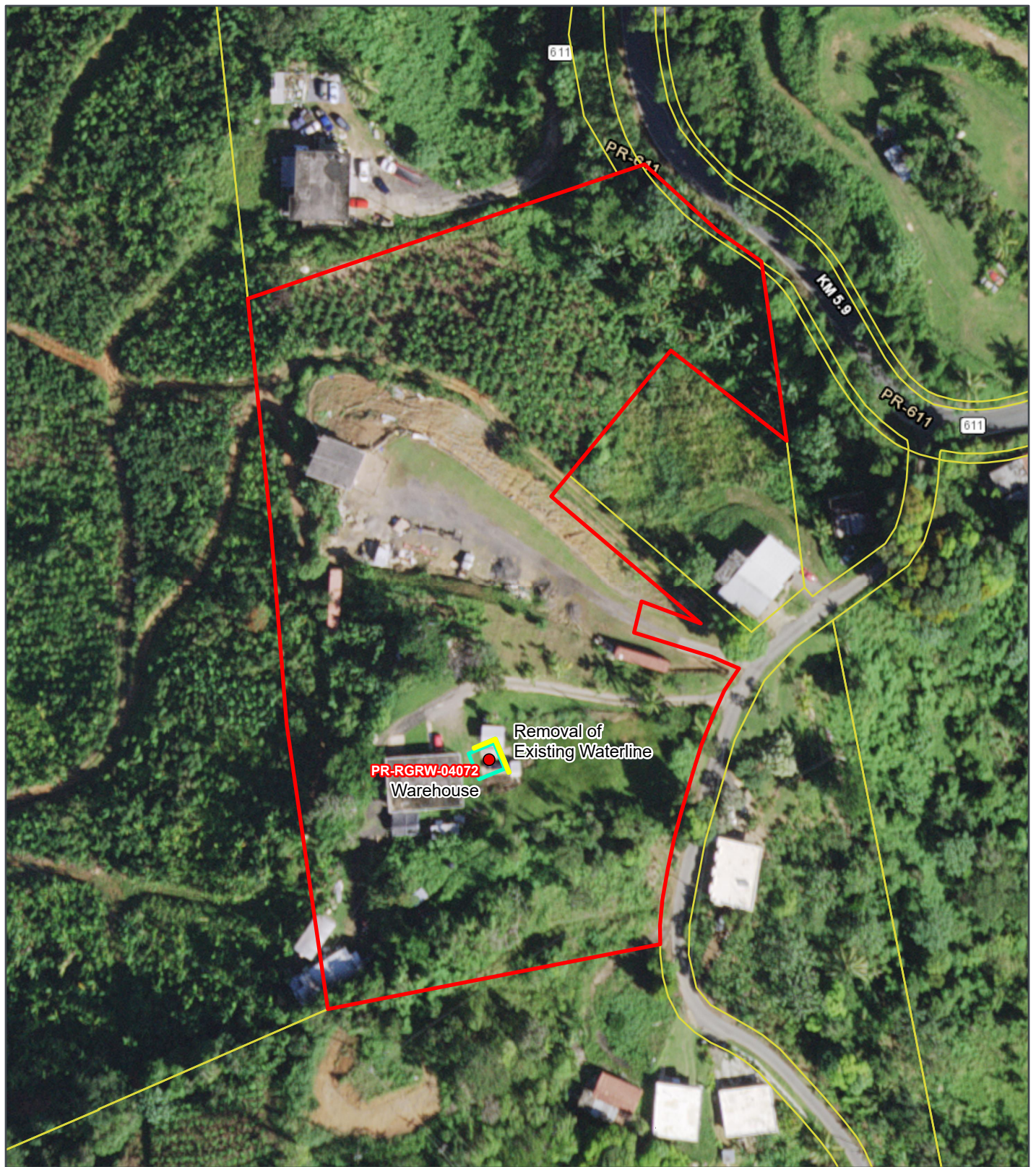


Figure 2
Site Vicinity Map



REGROW PROGRAM

Site Vicinity

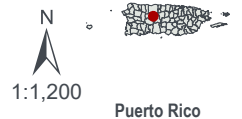
Applicant ID: PR-RGRW-04072

- Site
- Site Parcel
- Project Footprint (Option)
- Above Ground Waterline

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641

Parcel ID: 162-093-158-49-000
Center of Map:
66.673935°W 18.280845°N

Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/15/2024
Layout: Site Vicinity
Aprx: 72428_ReGrowTier2Maps



1:1,200

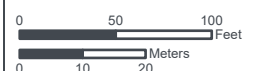
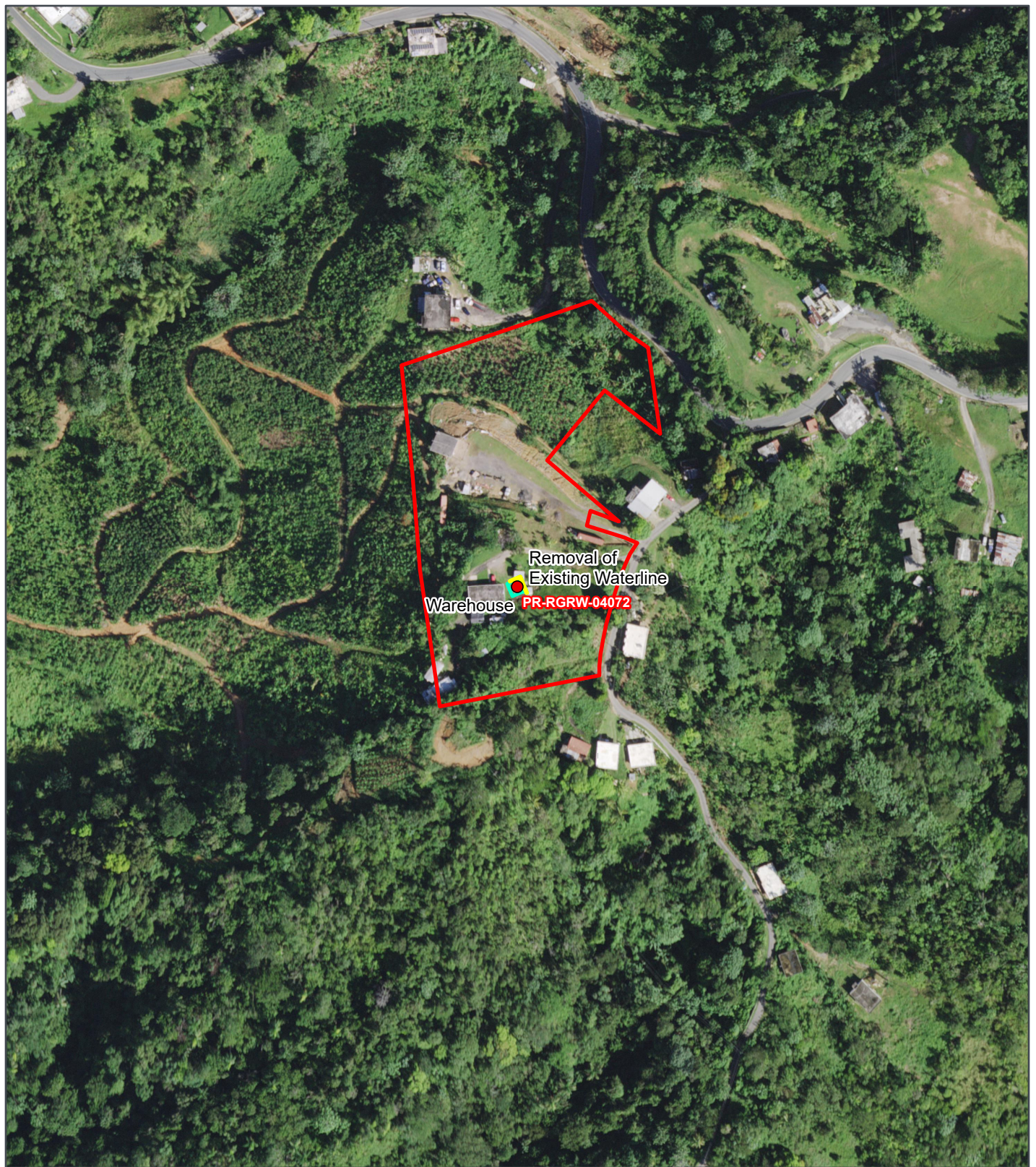


Figure 3
Wetlands Map



REGROW PROGRAM

Wetlands Protection Map

Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Site Parcel
- Project Footprint (Option)
- Above Ground Waterline
- NHD Stream
- Estuarine and Marine Deepwater

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

Bo. Sabana Grande Carr. 611 K 6
H 0
Utua, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°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: 7/15/2024
Layout: Wetlands Protection

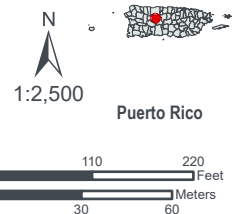
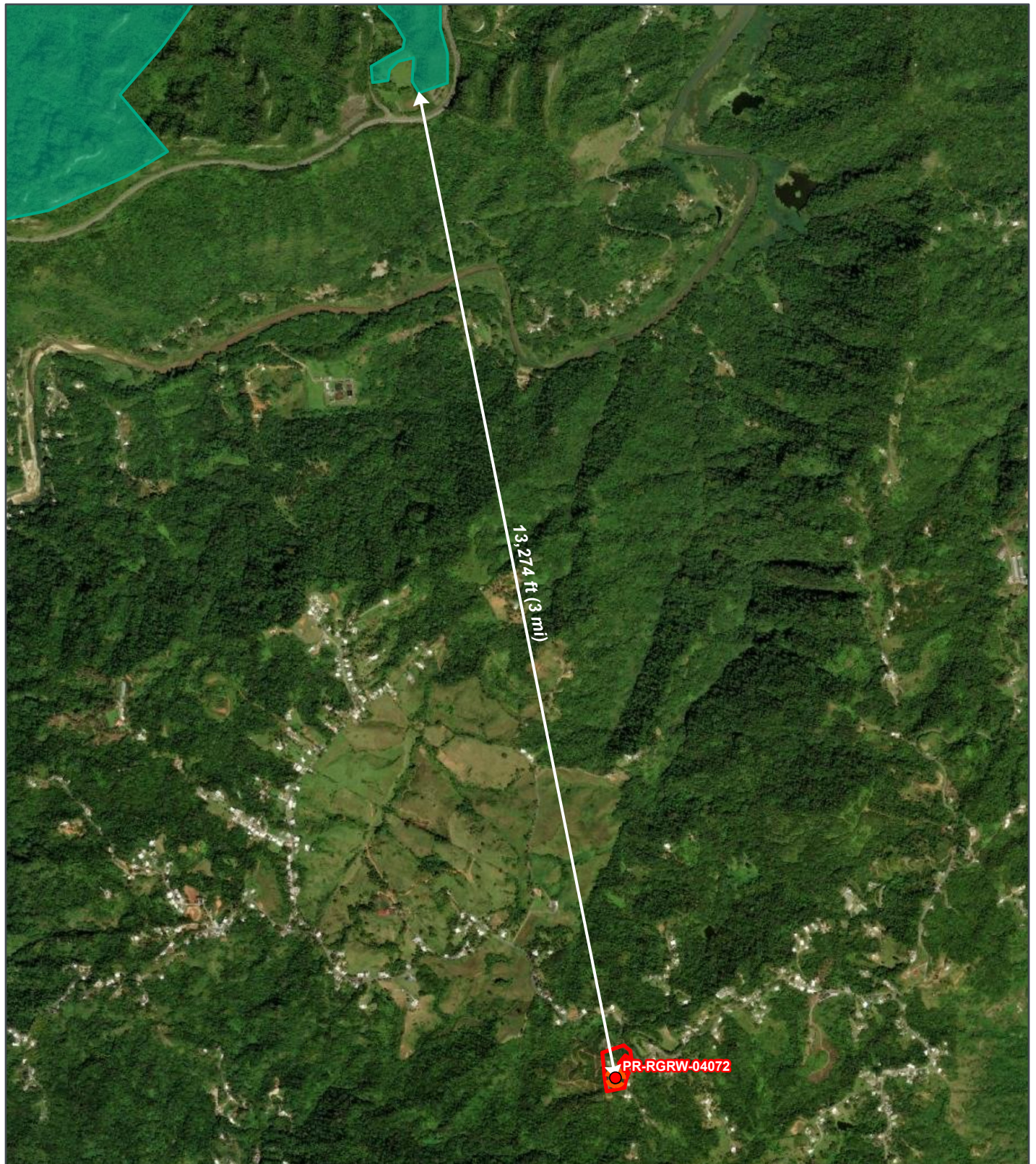


Figure 4
Critical Habitat Map



REGROW PROGRAM

Critical Habitat Map

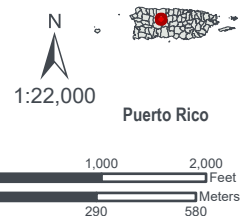
Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

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

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.677759°W 18.298421°N


Data Source: https://services.arcgis.com/QVENGdaPbd4LUkLV/arcgis/rest/services/USFWS_Critical_Habitat/Base_Map/ESRI/ArcGIS/Online
accessed July 2024
Updated: 7/15/2024
Layout: Critical Habitat
Aprx: 72428_ReGrowTier2Maps




APPENDIX B

Photographic Log

| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | | |
|--|-------------------------|--|
| Photo #: 01 | Date: 08/24/2023 |  |
| Photo Direction: South | | |
| Description: Overview of the site location for a warehouse 20x20ft over a pre-existing concrete base of the same measurements, 11 to 10 ft height (the roof will be inclined to help with the rain). During Hurricane Maria, the warehouse lost the roof, and the columns were turned and damaged. The picture shows a partial view of a small warehouse, the existing concrete platform with the turned columns, a vehicle, and a freight container the applicant plans to move once the construction of the warehouse has begun. | | |

| | |
|--|--------------------------------|
| Photo #: 02 | Date: 08/24/ 2023 |
| Photo Direction: Southwest | |
| Description: The overview was taken from the northeast corner of the site location for a warehouse 20x20x11-10 feet where the applicant plans on using the existing platform with new columns and a roof. The picture shows the applicant, a freight container that will be moved, a vehicle, and the applicant's residence. | |

A photograph showing a dark blue SUV parked on a concrete surface next to a large white freight container. A man in a blue shirt is standing near the rear of the container. In the background, there is a white residential building with a green roof and a clear blue sky.

| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H O, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | |
|---|-----------------------------|
| Photo #: 03 | Date: 08/24/ 2023 |
| Photo Direction: Northwest | |
| Description: The overview was taken from the southeast corner of site location for a warehouse 20x20x11-10 feet where the applicant plans on using the existing platform with new columns and a roof. The picture shows a partial view of the applicant's residence the freight container, and a bathroom that is on the south side of the project. | |



| | |
|---|--------------------------|
| Photo #: 04 | Date: 08/24/23 |
| Photo Direction: Northeast | |
| Description: The overview was taken from the southwest corner of the site location for a warehouse 20x20x11-10 feet where the applicant plans on using the existing platform with new columns and a roof. The picture shows a partial view of the existing warehouse, a vehicle, and a freight container. | |



| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H O, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | |
|---|--------------------------|
| Photo #: 05 | Date: 08/24/23 |
| Photo Direction: Southeast | |
| Description: The picture was taken from the northwest corner of site location for a warehouse 20x20x11-10 feet where the applicant plans on using the existing platform with new columns and a roof. The picture shows a partial view of the existing warehouse, a vehicle, and a freight container. The water pipe at the side of the concrete base will be removed. | |



APPENDIX C

USFWS Information for Planning and Consultation Species List



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:
Project Code: 2024-0129446
Project Name: PR-RGRW-04072

08/13/2024 05:16:20 UTC

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
- Bald & Golden Eagles
- 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

(939) 320-3135

PROJECT SUMMARY

Project Code: 2024-0129446

Project Name: PR-RGRW-04072

Project Type: Disaster-related Grants

Project Description: Construction of a new warehouse. No tree clearing or vegetation removal will be required.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.280446050000002,-66.67402629643877,14z>



Counties: Utuado County, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

There is a total of 4 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.

BIRDS

| NAME | STATUS |
|---|------------|
| Puerto Rican Broad-winged Hawk <i>Buteo platypterus brunnescens</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5512 | Endangered |
| Puerto Rican Parrot <i>Amazona vittata</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3067 | Endangered |

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/XSDWYEUEW7RFKZKB7LKOPPAB4RA/documents/generated/7159.pdf | Endangered |

INSECTS

| NAME | STATUS |
|--|------------|
| Puerto Rican Harlequin Butterfly <i>Atlantea tulita</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/9005 General project design guidelines: https://ipac.ecosphere.fws.gov/project/XSDWYEUEW7RFKZKB7LKOPPAB4RA/documents/generated/7168.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.

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO BALD AND GOLDEN EAGLES WITHIN THE VICINITY OF 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 habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

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.

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.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

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

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: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:
Project code: 2024-0129446
Project Name: PR-RGRW-04072

08/13/2024 05:18:05 UTC

Subject: Consistency letter for the project named 'PR-RGRW-04072' 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 August 13, 2024, Susan Fischer used the Caribbean DKey; dated April 03, 2024, 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-04072'. The project is located in Utuado County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.280446050000002,-66.67402629643877,14z>



The following description was provided for the project 'PR-RGRW-04072':

Construction of a new warehouse. No tree clearing or vegetation removal will be required.

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 |
| Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>) | Endangered | NLAA |

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-04072

2. Description

The following description was provided for the project 'PR-RGRW-04072':

Construction of a new warehouse. No tree clearing or vegetation removal will be required.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.280446050000002,-66.67402629643877,14z>



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, shopping malls etc.)

Note: Urban and developed areas has one or more of the following characteristics: Presence of existing buildings, residential areas, and commercial establishments. Well-established infrastructure including roads, utilities, and urban facilities. High population density. Established neighborhoods and urban amenities ("urbanizaciones"). Developed landscape with paved surfaces, parking lots, and industrial areas. Signs of human activity and urbanization, such as shopping centers and recreational facilities. Location within the boundaries of a city or town ("casco urbano"). High concentration of built-up structures and limited open spaces. Aerial imagery might be requested to the applicant. .

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

15. Will the proposed project be conducted during the Puerto Rican sharp-shinned hawk or Puerto Rican Broad-winged hawk breeding season between December and July?

Yes

16. Will daily surveys be conducted to detect breeding activities by qualified personnel?

Note: Examples of breeding activities are courtship and territoriality, re-occupancy of nesting sites, nest building, egg laying, incubation and hatching, and post-fledging.

Yes

17. Will qualified personnel conduct nest searches with the appropriate Puerto Rico Department of Natural Resources (DNER) permit?

Note: We might require you to submit a copy of the DNER permits by email.

Yes

18. Will the proposed project implement a strategy to avoid disturbing detected Puerto Rican sharp-shinned hawk and Puerto Rican Broad-winged hawk nesting and breeding activities?

Note: Examples of breeding activities are courtship and territoriality, re-occupancy of nesting sites, nest building, egg laying, incubation and hatching, and post-fledging.

Yes

19. Will the avoidance strategy include protocols to create a buffer zone of 200 meters around all detected nests?

Note: A buffer zone is an area around the detected nests where no actions or activities can take place. The buffer zone should be clearly marked or delineated in the field and in the project plans.

Yes

20. If nests are detected within the project area, will the proposed project avoid any disturbance until fledging leaves the nest permanently?

Yes

21. Outside of the breeding season, in the event of a Sharp-shinned hawk nest encounter, would a buffer zone be implemented?

Note: The species or nests might be found out of the breeding season. A buffer zone is an area around the detected nests where no actions or activities can take place. The buffer zone should be clearly marked or delineated in the field and in the project plans.

Yes

22. Will the Fish and Wildlife Service and the Department of Natural Resources be notified immediately if a nest is detected?

Yes

23. Does the proposed project intersect the Puerto Rican Broad-winged hawk 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

APPENDIX E

Species Conservation Measures

USFWS Conservation Measures for the Puerto Rican Broad-winged Hawk and Puerto Rican Parrot

1. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act of 1973, as amended. During breeding seasons (see below), nest surveys shall be conducted if a project occurs within the range of any of the species listed above and if habitat for those species will be impacted by the proposed actions. Nest searches must be conducted by qualified personnel with the appropriate permits from the Puerto Rico Department of Natural and Environmental Resources (PRDNER) prior to start of work. If nesting activity is detected, all construction activities or human disturbance must be avoided within a 50-meter buffer around any nest(s) found within the project area. This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently.

- Breeding Seasons:
 - Puerto Rican parrot: February-June.
 - Puerto Rican broad-winged hawk: December-June.

2. Outside the breeding season no nest surveys are required, but if a nest is encountered, all construction activities or human disturbance must be avoided within a 200-meter buffer around that nest(s). This avoidance strategy must be kept until fledglings successfully leave the nest(s) permanently. Furthermore, if any of the species indicated above is observed (e.g., foraging, resting) within the project area, avoid any disturbance to the individual(s) and do not flush the bird until it leaves on its own.

3. For all nest sightings, the Applicant must record the time and date of the sighting and the specific location where it was found. All sightings and incidental lethal take reports should be sent to the USFWS Caribbean Ecological Services Field Office at Caribbean_es@fws.gov. For questions, the Point of Contact (POC) is José Cruz-Burgos, Endangered Species Program Coordinator, and can be contacted at:

- Mobile: 305-304-1386
- Office phone: 786-244-0081
- Office Direct Line: 939-320-3120
- Email: jose_cruz-burgos@fws.gov

General Project Design Guidelines (2 Species)

Generated August 13, 2024 05:19 AM UTC, IPaC v6.113.1-rc4

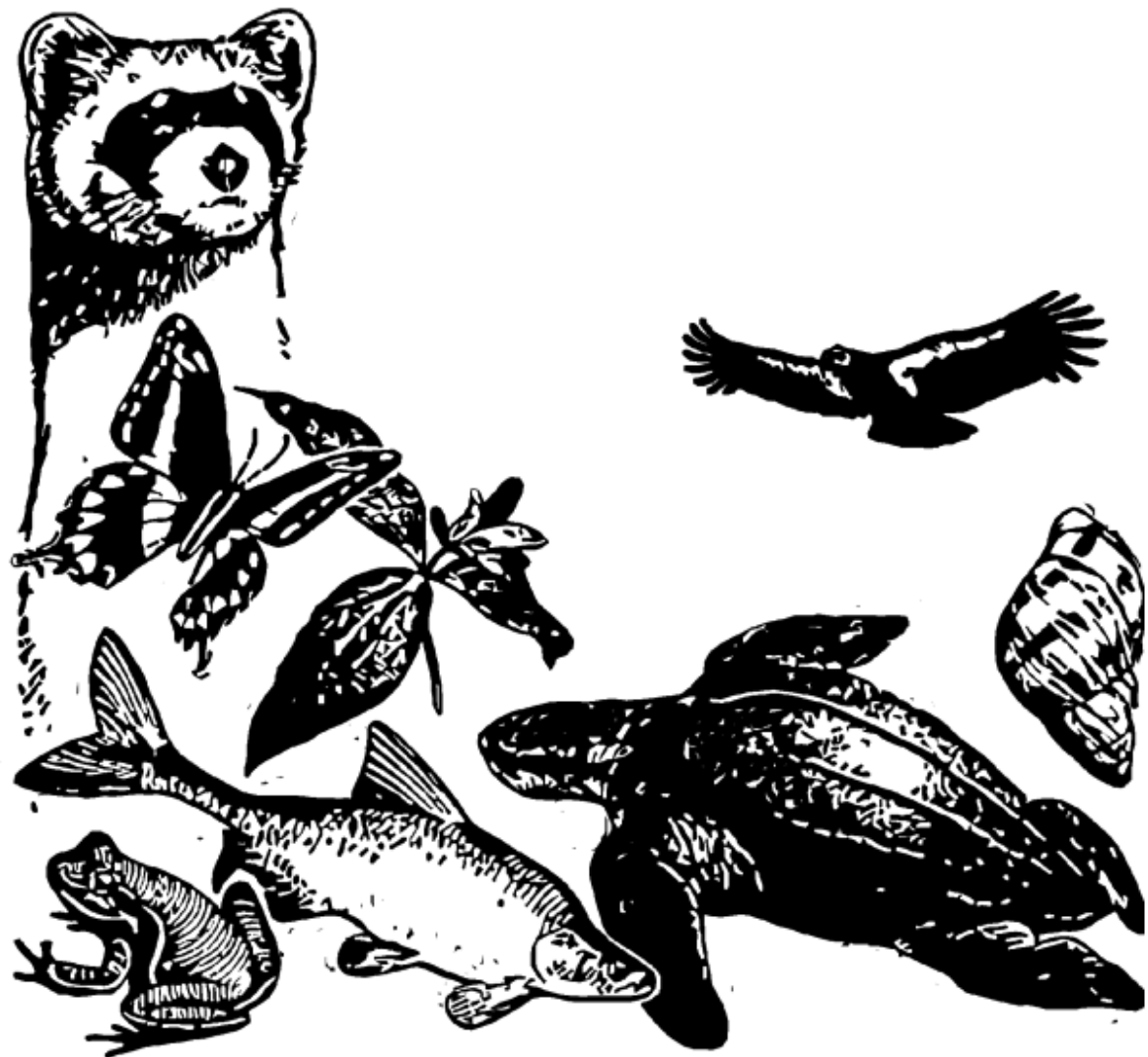


Table of Contents

| | |
|---|--------------------------|
| Species Document Availability | <u>1</u> |
| Puerto Rican Harlequin Butterfly - Caribbean Ecological Services Field Office | <u>2</u> |
| Puerto Rican Boa - Caribbean Ecological Services Field Office | <u>7</u> |

Species Document Availability

Species with general design guidelines

Puerto Rican Boa *Chilabothrus inornatus*

Puerto Rican Harlequin Butterfly *Atlantea tulita*

Species without general design guidelines available

Puerto Rican Broad-winged Hawk *Buteo platypterus brunnescens*

Puerto Rican Parrot *Amazona vittata*

General Project Design Guidelines - Puerto Rican Parrot and 3 more species

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

Puerto Rican Parrot *Amazona vittata*

Puerto Rican Harlequin Butterfly *Atlantea tulita*

Puerto Rican Boa *Chilabothrus inornatus*

Puerto Rican Broad-winged Hawk *Buteo platypterus brunnescens*



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

Conservation Measures for the Puerto Rican harlequin butterfly (*Atlantea tulita*)

Section 7 (a)(1) of the Endangered Species Act (ESA) mandates Federal agencies to aid in the conservation of federally listed species. Section 7 (a)(2) requires the Federal 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 federally 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 approval of private activities through the issuance of Federal funding, permits, licenses, or any other actions. Any person that injures, captures, or kills a Puerto Rican harlequin butterfly, or destroy its eggs or any other of its life stage (caterpillars, chrysalis) is subject to penalties under the ESA. Thus, Federal Actions agencies must initiate consultation with the Service under Section 7 of the ESA for any action that could affect the Puerto Rican harlequin butterfly. To initiate a consultation under the Section 7 of the ESA, the Federal Action agency must submit a project package to the Service with the established minimum requirements (see below). The conservation measures included below should be incorporated into the project plans to minimize possible impacts to the Puerto Rican harlequin butterfly. Download the [project evaluations fact sheet](#) to learn more about the requirements or visit our [project evaluations webpage](#).



The Puerto Rican (PR) harlequin butterfly (*Atlantea tulita*), is a threatened species endemic to Puerto Rico, whose currently known range is limited to the Northern Karst

February 2024

physiographic region and the West-central Volcanic-serpentine physiographic region of the Island. Through this range, we have identified six areas occupied by the PR harlequin butterfly that we refer to as a populations: (1) along the coastal cliff in the municipalities of Isabela, Quebradillas, and Camuy; (2) Guajataca in the municipality of Isabela; (3) Río Abajo Commonwealth Forest between the municipalities of Arecibo and Utuado; (4) Río Encantado area along the municipalities of Arecibo, Florida and Ciales; (5) Maricao Commonwealth Forest in the municipality of Maricao; and (6) Susúa Commonwealth Forest between the municipalities of Sabana Grande and Yauco. In addition, adult PR harlequin butterflies have been anecdotally reported in other areas of Puerto Rico, including the municipalities of Aguadilla, Barceloneta, Ciales, Florida, Luquillo, Ceiba, Guánica, San Germán, Las Marias and Lares.

The PR harlequin butterfly is a medium sized butterfly with a life cycle includes four distinct anatomical stages: imago (adult), egg, larva (caterpillar, with several size phases called instars), and chrysalis. The species has a wingspan of about 5.1 to 6 centimeters (cm) (2 to 2.5 inches (in)) wide and is characterized by its orange, brownish-black and beige coloration patterns. The caterpillar (larva) is dark orange with a brownish black to black, thin sub-lateral line, over a thin line of white intermittent dots crossing the body from the head to the anal plate, and has spines with hairs on each body segment. The caterpillar is less than .476 centimeters (cm) (0.19 in) in the first instar (growth stage between molts) and about 3.3 cm (1.29 in) in the fifth instar. Both eggs and caterpillars have been found almost exclusively on the host plant prickly bush (*Oplonia spinosa*). The chrysalis (pupa from which the butterfly (adult, or imago) emerges) of the PR harlequin butterfly is black, with orange and white dashes, and yellow pimples. The size of chrysalis is around 3 cm (1.2 in). In the wild, the chrysalis is more often found attached to branches of plants located close to the host plant, but it has been observed attached to dried twigs of the host plant.

The PR harlequin butterfly is difficult to detect, and the species is easily misidentified with other common butterflies such as the monarch butterfly (*Danaus plexippus portoricensis*), Antillean crescent (*Antillea pelops*), and Gulf fritillary (*Agraulis vanilla insularis*). The PR harlequin butterfly adults seem to be more active in the morning, from 9:00 am to 12:00 pm, when they are often observed flying searching for food or patrolling their territory for mating or laying eggs. The species flies slowly and is weak and fragile; thus, it is considered a poor disperser. There is information that this butterfly can disperse up to 1,026 meters (m) (3366.1 feet (ft)), approximately 1 kilometer (km) (0.6 mile (mi)) from one breeding site to another. The species seems to have specific ecological requirements for reproduction and its dispersion.

The PR harlequin butterfly was federally listed as threatened on January 3, 2023 (87 FR 73655), due to threats related to habitat modification and loss, its small populations size, and because of analyses of projected effects on the species resulting from relevant factors like increment of urban development rate and climate changes, which may negatively influence the continued existence of the species in the foreseeable future.

The Service has developed the following conservation measures with the purpose of assisting others to avoid or minimize adverse effects to the PR harlequin butterfly 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.

1. All project construction personnel must be informed about the potential presence of the PR harlequin butterfly or its occupied host plant, prickly bush (*Oplonia spinosa*), in the project areas and the need to avoid harming the species and its occupied host plant. All personnel will be advised that there are civil and criminal penalties for harming, harassing, or killing species protected under the Endangered Species Act. Educational material (e.g., posters, flyers, or signs with photos or illustrations of all the life stages of the PR harlequin butterfly (i.e., eggs, caterpillar, chrysalis, and adult) as well as its host plant, should be prepared and available to all personnel for reference.
2. Before starting any project activity, including removal of vegetation and earth movement, the boundaries of the work area in the field clearly delineate to avoid unnecessary habitat impacts. Once the project areas are clearly marked, and before any work activity, including site preparation, personnel with knowledge and ability to identify the PR harlequin butterfly (all life stages) and the prickly bush must survey the areas where the work will be performed for the presence of the species and its host plant. It is important to note that the PR harlequin butterfly can be observed year-round in all its life stages; thus, oviposition (egg-laying) may occur at any time during the year.
3. If the prickly bush is present on the project site, try to avoid cutting it off, even if no eggs, caterpillars, or chrysalis are present.
4. If there is no prickly bush within the project area, and the butterfly is observed flying within the project area, do not harass, harm, pursue, wound, kill, trap, capture, collect, or attempt to engage in any such conduct, the species.
5. Adult butterflies are often observed flying near the host plant as part of their mating behavior and laying eggs. Project-related activities must stop if the prickly bush is found in the project area and the PR harlequin butterfly is observed flying in that same area where the plan is located. A temporary 50-meter (164 feet) buffer zone of no activity or human disturbance should be established and clearly marked around that prickly bush until the butterfly moves out on its own.
6. Once the PR harlequin butterfly has moved away, within a period of 24 to 36 hours, a search of the prickly bush that has been buffered should be conducted to determine the presence of eggs, caterpillars, or chrysalids of the butterfly on the plant. The contractor or the Applicant should send a report of the observation and its findings to caribbean_es@fws.gov after the 36-hour search is concluded.
7. If, after the initial search or after the 24 to 36-hour search, any life stage of the PR harlequin butterfly is found in the prickly bush, take the following actions:
 - Clearly mark the host plant with flagging tape.

- Establish a 10-meter (32-foot) buffer zone around the bush to protect it.
- Eggs are typically found on the prickly bush's newly grown, tender branches. Once an egg hatches, the caterpillar moves and feeds throughout the plant. Therefore, avoid cutting off the prickly bush within the project site even if no eggs, caterpillars, or chrysalids are present.
- Work within the 10-meter buffered area may resume when no signs of any live life stage of the butterfly are detected, which usually takes approximately 60 to 120 days.

8. For all PR harlequin butterfly sightings (all life stages), the time and date of the sighting and the specific location where the butterfly was found must be recorded. Data should also include a photo of the butterfly (if possible) and the habitat where it was observed, site GPS coordinates, and comments on how the butterfly was detected and its behavior. All PR harlequin butterfly sighting reports should be sent to the U.S. Fish and Wildlife Service, Caribbean Ecological Service Field Office at caribbean_es@fws.gov.

9. For questions regarding the PR harlequin butterfly, the Point of Contact is:

- José Cruz-Burgos, Threatened and Endangered Species Program Coordinator:
 - Mobile: 305-304-1386
 - Office phone: 786-244-0081
 - Office Direct Line: 939-320-3120
 - Email: jose_cruz-burgos@fws.gov

General Project Design Guidelines - Puerto Rican Parrot and 3 more species

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

Puerto Rican Parrot *Amazona vittata*

Puerto Rican Harlequin Butterfly *Atlantea tulita*

Puerto Rican Boa *Chilabothrus inornatus*

Puerto Rican Broad-winged Hawk *Buteo platypterus brunnescens*



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 federally 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 PR 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 such as roadsides or houses, especially if near their habitat in rural areas. The PR 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.

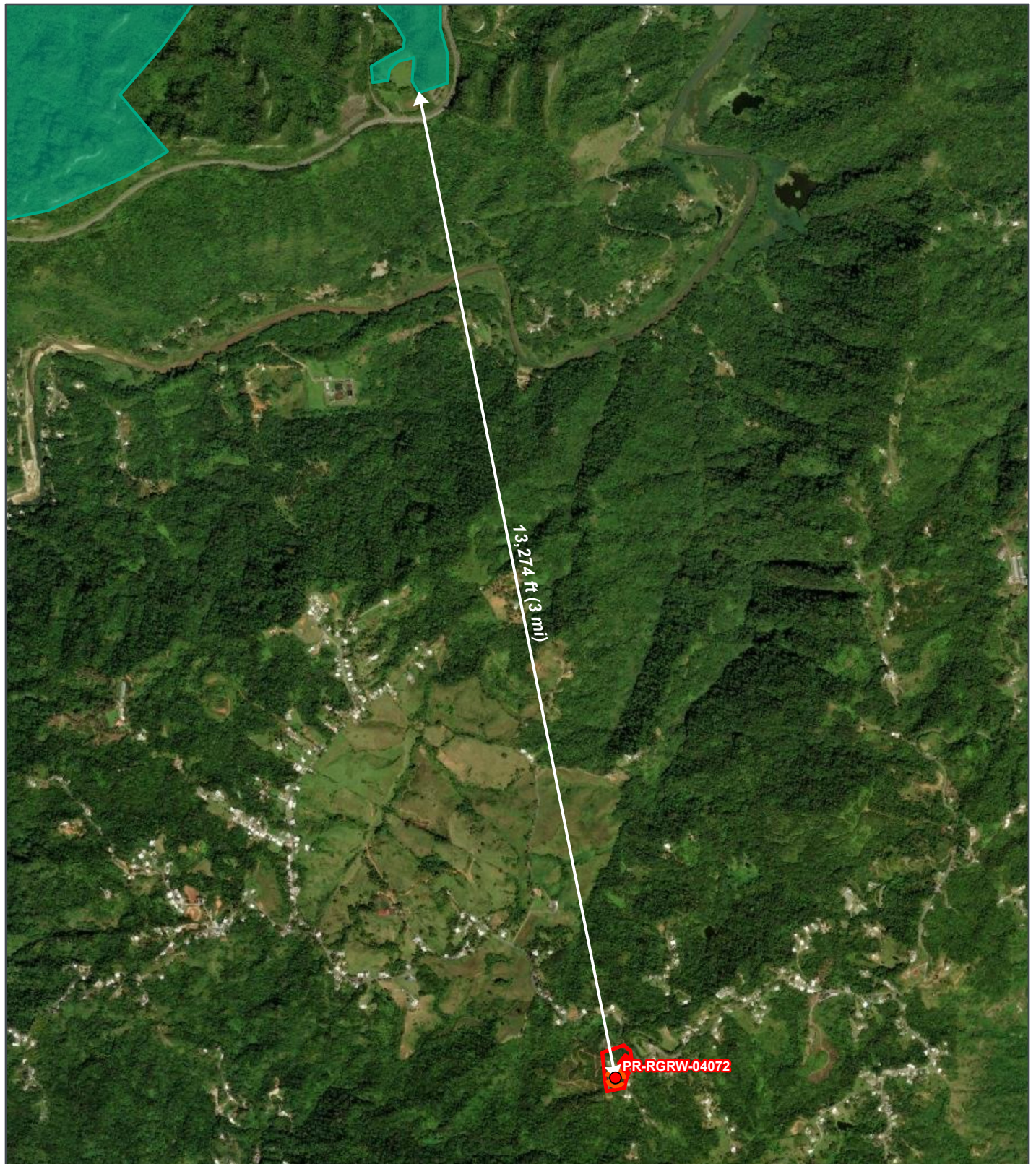
Conservation Measures:

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 project 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. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #5). **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 #s: (787) 724-5700, (787) 230-5550, (787) 771-1124). **If immediate relocation is not an option, project-related activities at that 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.
5. 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.

6. If a PR boa is captured by PRDNER personnel, record the name of that person and information on where the PR boa will be taken. This information should be reported to the Service.
7. 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 #4). If not possible, the animal should be left alone until it leaves the vehicle on its own.
8. 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.
9. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #5). 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 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.
10. 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:

- José Cruz-Burgos, Endangered Species Program Coordinator
 - Email: jose_cruz-burgos@fws.gov
 - Office phone (305) 304-1386
- Jan Zegarra, Fish and Wildlife Biologist
 - Email: jan_zegarra@fws.gov
 - Office phone (786) 933-1451



REGROW PROGRAM

Figure B 7-1: Critical Habitat Map

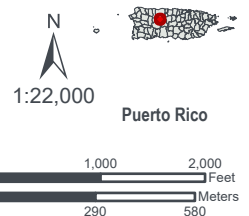
Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

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

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.677759°W 18.298421°N

Data Source: https://services.arcgis.com/QVENGdaPbd4LUkLV/arcgis/rest/services/USFWS_Critical_Habitat/Base_Map/ESRI/ArcGIS/Online
accessed July 2024
Updated: 7/15/2024
Layout: Critical Habitat
Aprx: 72428_ReGrowTier2Maps



Attachment 8

Explosive and Flammable Hazards Partner

Worksheet



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

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

Explosive and Flammable Hazards (CEST and EA) – PARTNER

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

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

☒ No

→ Continue to Question 2.

☐ Yes

Explain:

[Click here to enter text.](#)

→ Continue to Question 5.

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

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

☐ Yes → Continue to Question 3.

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

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

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

☐ Yes → Continue to Question 4.

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

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

☐ Yes

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

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

☐ No

→ Continue to Question 6.

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

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

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

☐ Yes

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

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

☐ No

→ Continue to Question 6.

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

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

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

[Click here to enter text.](#)

Worksheet Summary

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

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

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

The project includes the new construction of a warehouse. 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.*

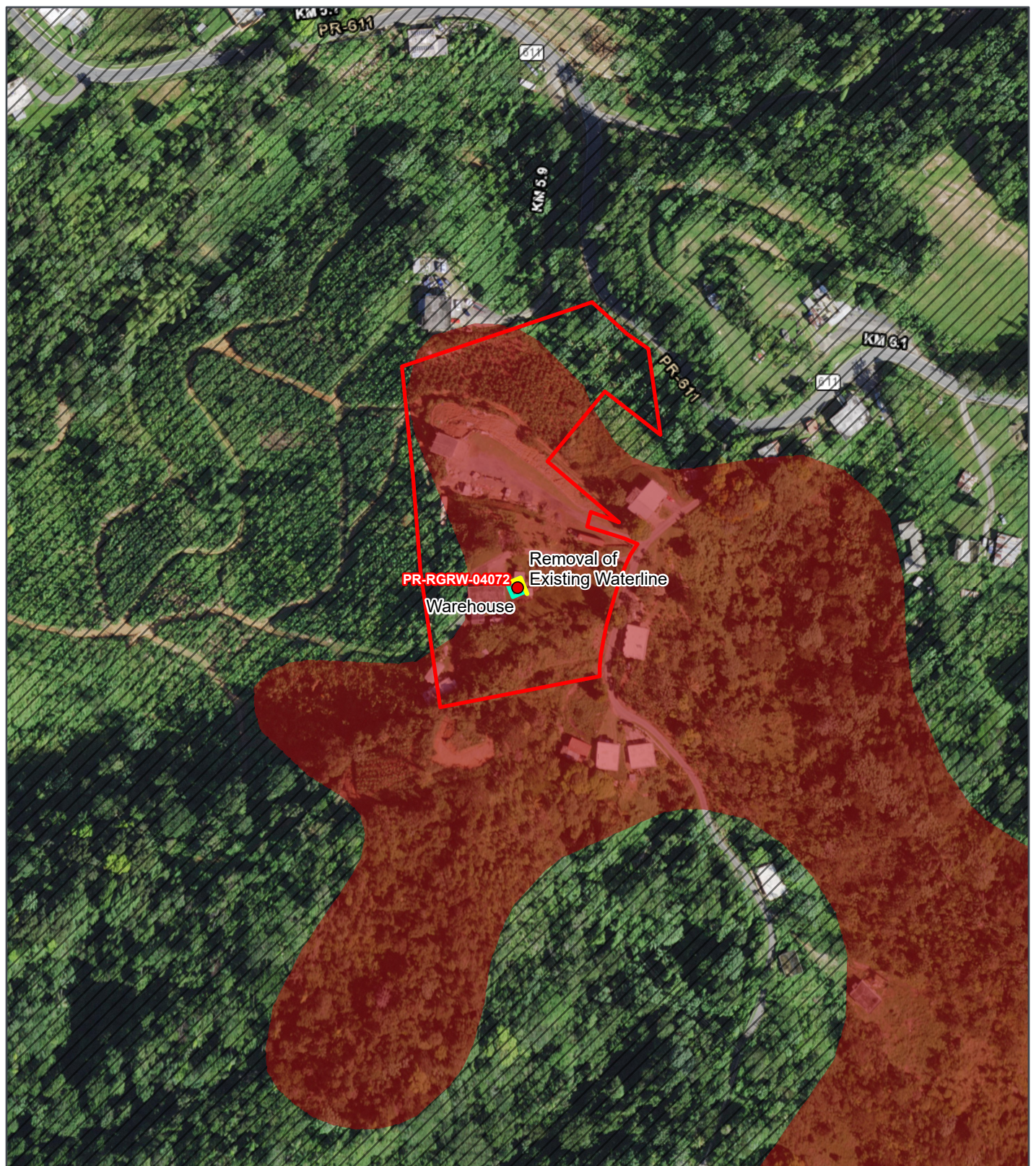
Worksheet Summary

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. 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-04072

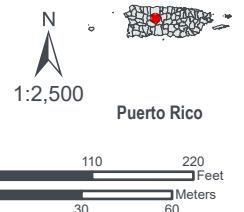


- Site
- Site Parcel
- Project Footprint (Option)
- Above Ground Waterline
- All areas are prime farmland
- Farmland of statewide importance
- Farmland of statewide importance, if irrigated
- Prime farmland if drained

- Prime farmland if irrigated
- Prime farmland if irrigated and reclaimed of excess salts and sodium
- Prime farmland if protected from flooding or not frequently flooded during the growing season
- Not prime farmland
- Not Public Information

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°N

Data Source: <https://websoilsurvey.nrcs.usda.gov/app/>
Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/15/2024
Layout: Prime Farmland
Aprx: 72428_ReGrowTier2Maps



Attachment 10

Floodplain Management Partner Worksheet and Advisory Base Flood Elevation 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.

Floodplain Management (CEST and EA)

| General Requirements | Legislation | Regulation |
|---|---|------------|
| Executive Order 11988, Floodplain Management, requires Federal activities to avoid impacts to floodplains and to avoid direct and indirect support of floodplain development to the extent practicable. | Executive Order 11988 Executive Order 13690 42 USC <u>4001-4128</u> 42 USC 5154a | 24 CFR 55 |
| Reference | | |
| https://www.hudexchange.info/environmental-review/floodplain-management | | |

1. Does this project meet an exemption at [24 CFR 55.12](#) from compliance with HUD’s floodplain management regulations in Part 55 or utilize the delayed compliance date for certain Office of Housing programs?

☐ Yes

Select the applicable citation at [24 CFR 55.12](#) and provide supporting documentation for the determination if applicable.

- a) ☐ HUD-assisted activities described in 24 CFR 58.34 and 58.35(b)
- b) ☐ HUD-assisted activities described in 24 CFR 50.19, except as otherwise indicated in § 50.19
- c) ☐ The approval of financial assistance for restoring and preserving the natural and beneficial functions and values of floodplains and wetlands, including through acquisition of such floodplain and wetland property, where a permanent covenant or comparable restriction is place on the property’s continued use for flood control, wetland projection, open space, or park land, but only if:
- (1) The property is cleared of all existing buildings and walled structures; and
 - (2) The property is cleared of related improvements except those which:
 - (i) Are directly related to flood control, wetland protection, open space, or park land (including playgrounds and recreation areas);
 - (ii) Do not modify existing wetland areas or involve fill, paving, or other ground disturbance beyond minimal trails or paths; and
 - (iii) Are designed to be compatible with the beneficial floodplain or wetland function of the property.

- d) ☐ An action involving a repossession, receivership, foreclosure, or similar acquisition of property to protect or enforce HUD's financial interests under previously approved loans, grants, mortgage insurance, or other HUD assistance
- e) ☐ Policy-level actions described at 24 CFR 50.16 that do not involve site-based decisions
- f) ☐ A minor amendment to a previously approved action with no additional adverse impact on or from a floodplain or wetland;
- g) ☐ HUD's or the responsible entity's approval of a project site, an incidental portion of which is situated in the FFRMS floodplain (not including the floodway, LiMWA, or coastal high hazard area) but only if:
 - (1) The proposed project site does not include any existing or proposed buildings or improvements that modify or occupy the FFRMS floodplain except de minimis improvements such as recreation areas and trails; and
 - (2) the proposed project will not result in any new construction in or modifications of a wetland
- h) ☐ Issuance or use of Housing Vouchers or other forms of rental subsidy where HUD, the awarding community, or the public housing agency that administers the contract awards rental subsidies that are not project-based (i.e., do not involve site-specific subsidies)
- i) ☐ Special projects directed to the removal of material and architectural barriers that restrict the mobility of and accessibility to elderly and persons with disabilities.

Exemptions do not apply due to the project activities being the construction of a warehouse.

Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

☐ Yes. Office of Housing programs utilizing the January 1, 2025 compliance date. These reviews must comply with the 2013 version of the Part 55 regulations. Continue to Worksheet Summary for 2013 version to upload supporting documentation.

☒ No. Continue to Question 2.

2. Does the project include a Critical Action?

☐ Yes. Describe the Critical Action. Examples of Critical Actions include projects involving hospitals, fire and police stations, nursing homes, hazardous chemical storage, storage of valuable records, and utility plants. Continue to Question 4.

No, the project is not a Critical Action as defined in 24 CFR 55.2(b)(3)

☒ No. Continue to Question 3.

3. Determine the extent of the FFRMS floodplain and provide mapping documentation in support of that determination.

The extent of the FFRMS floodplain can be determined using a Climate Informed Science Approach (CISA), 0.2 percent flood approach (0.2 PFA), or freeboard value approach (FVA). For projects in areas without available CISA data or without FEMA Flood Insurance Rate Maps (FIRMs), Flood Insurance Studies (FISs) or Advisory Base Flood Elevations (ABFEs), use the best available information to determine flood elevation. Include documentation and an explanation of why this is the best available information for the site. Note that newly constructed and substantially improved structures must be elevated to the FFRMS floodplain regardless of the approach chosen to determine the floodplain.

Select one of the following three options:

☐ CISA for non-critical actions. If using a local tool, data, or resources, ensure that the FFRMS elevation is higher than would have been determined using the 0.2 PFA or the FVA.

☒ 0.2-PFA. Where FEMA has defined the 0.2-percent-annual-chance floodplain, the FFRMS floodplain is the area that FEMA has designated as within the 0.2-percent-annual-chance floodplain.

☐ FVA. If neither CISA nor 0.2-PFA is available, for non-critical actions, the FFRMS floodplain is the area that results from adding two feet to the base flood elevation as established by the effective FIRM or FIS or—if available—a FEMA-provided preliminary or pending FIRM or FIS or advisory base flood elevations, whether regulatory or informational in nature. However, an interim or preliminary FEMA map cannot be used if it is lower than the current FIRM or FIS.

a. Does your project occur in the FFRMS floodplain?

☐ Yes, continue to part b.

☒ No. Review for floodplain management is complete.

b. Is your project located in any of the floodplain categories below? Select all that apply. If none apply, continue to question 7.

☐ Floodway: *Continue to Question 5. Floodways.*

☐ Coastal High Hazard Area (V Zone) or Limit of Moderate Wave Action (LiMWA): *Continue to Question 6. Coastal High Hazard Areas and LiMWAs.*

4. Determine the extent of the FFRMS floodplain and provide mapping documentation in support of that determination.

The extent of the FFRMS floodplain can be determined using a Climate Informed Science Approach (CISA), or the higher of the 0.2 percent flood approach (0.2 PFA), or freeboard value approach (FVA). For projects in areas without available CISA data or without FEMA Flood Insurance Rate Maps (FIRMs), Flood Insurance Studies (FISs) or Advisory Base Flood Elevations (ABFEs), use the best available information to determine flood elevation. Note that newly constructed and substantially improved structures must be elevated to the FFRMS floodplain regardless of the approach chosen to determine the floodplain.

Utilize CISA to determine the FFRMS floodplain for critical actions

☐ CISA for Critical Actions. If using a local tool, ensure that the FFRMS elevation provided is higher than the 0.2 PFA or 3' above the base flood elevation.

OR;

Choose the higher of 0.2 PFA or FVA elevations

☐ 0.2-PFA. Where FEMA has defined the 0.2-percent-annual-chance floodplain, the FFRMS floodplain is the area that FEMA has designated as within the 0.2-percent-annual-chance floodplain.

☐ FVA. For critical actions, the FFRMS floodplain is the area that results from adding three feet to the base flood elevation as established by the effective FEMA FIRM or FIS or—if available—a FEMA-provided preliminary or pending FIRM or FIS or advisory base flood elevations, whether regulatory or informational in nature. However, an interim or preliminary FEMA map cannot be used if it is lower than the current FIRM or FIS.

a. Does your project occur in the FFRMS floodplain?

☐ Yes, continue to part b.

☐ No. Review for floodplain management is complete.

b. Is your project located in any of the floodplain categories below? Select all that apply. If none apply, continue to question 7.

☐ Floodway: *Continue to Question 5. Floodways.*

☐ Coastal High Hazard Area (V Zone) or LiMWA: *Continue to Question 6. Coastal High Hazard Areas and LiMWAs.*

5. Floodways

Do the floodway exemptions at [55.8](#) or [55.21](#) apply?

☐ Yes

The 8-Step Process is required. Document mitigation measures necessary to meet the requirements in 55.8 or 55.21. Provide a completed 8-Step Process, including the early public notice and the final notice.

Continue to Question 7. 8-Step Process.

☐ No

Federal assistance may not be used at this location. You must either choose an alternate site or cancel the project at this location.

6. Coastal High Hazard Area (V Zone) and LiMWAs

Do the exemptions at [55.8](#) or [55.21](#) apply?

☐ Yes

The 8-Step Process is required. Document mitigation measures necessary to meet the requirements in 55.8 or 55.21. Provide a completed 8-Step Process, including the early public notice and the final notice.

Continue to Question 7. 8-Step Process.

☐ No

Federal assistance may not be used at this location. You must either choose an alternate site or cancel the project at this location.

7. 8-Step Process.

Does the 8-Step Process apply? Select one of the following options:

☐ 8-Step Process is inapplicable per 55.13.

Select the applicable citation:

- ☐ (a) HUD's mortgage insurance actions and other financial assistance for the purchasing, mortgaging, or refinancing of existing one- to four-family properties in communities that are in the Regular Program of the NFIP and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24), where the action is not a critical action and the property is not located in a floodway, coastal high hazard area, or LiMWA;
- ☐ (b) Financial assistance for minor repairs or improvements on one- to four-family properties that do not meet the thresholds for "substantial improvement" under § 55.2(b)(12);
- ☐ (c) HUD or a recipient's actions involving the disposition of individual HUD or recipient held, one- to four-family properties;
- ☐ (d) HUD guarantees under the Loan Guarantee Recovery Fund Program (24 CFR part 573), where any new construction or rehabilitation financed by the existing loan or mortgage has been completed prior to the filing of an application under the program, and the refinancing will not allow further construction or rehabilitation, nor result in any physical impacts or changes except for routine maintenance;
- ☐ (e) The approval of financial assistance to lease units within an existing structure located within the floodplain, but only if;
 - (1) The structure is located outside the floodway or coastal high hazard area, and is in a community that is in the Regular Program of the NFIP and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24); and
 - (2) The project is not a critical action; and
 - (3) The entire structure is or will be fully insured or insured to the maximum extent available under the NFIP for at least the term of the lease.
- ☐ (f) Special projects for the purpose of improving efficiency of utilities or installing renewable energy that involve the repair, rehabilitation, modernization, weatherization, or improvement of existing structures or infrastructure, do not meet the thresholds for "substantial improvement" under § 55.2(b)(12), and do not include the installation of equipment below the FFRMS floodplain elevation.

Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

☐ 5-Step Process is applicable per 55.14.

Provide documentation of 5-Step Process.

Select the applicable citation:

- ☐ (a) HUD actions involving the disposition of HUD-acquired multifamily housing projects or “bulk sales” of HUD-acquired one- to four-family properties in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24).
- ☐ (b) HUD's actions under the National Housing Act (12 U.S.C. 1701) for the purchase or refinancing of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, and intermediate care facilities, in communities that are in good standing under the NFIP.
- ☐ (c) HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, intermediate care facilities, and one- to four-family properties, in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and are in good standing, provided that the number of units is not increased more than 20 percent, the action does not involve a conversion from nonresidential to residential land use, the action does not meet the thresholds for “substantial improvement” under § 55.2(b)(10), and the footprint of the structure and paved areas is not increased by more than 20 percent.
- ☐ (d) HUD's (or the recipient's) actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing nonresidential buildings and structures, in communities that are in the Regular Program of the NFIP and are in good standing, provided that the action does not meet the thresholds for “substantial improvement” under § 55.2(b)(10) and that the footprint of the structure and paved areas is not increased by more than 20 percent
- ☐ (e) HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, or replacement of existing nonstructural improvements including streets, curbs and gutters, where any increase of the total impervious surface area of the facility is de minimis. This provision does not include critical actions, levee systems, chemical storage facilities (including any tanks), wastewater facilities, or sewer lagoons.

Continue to Question 8. Mitigation.

☐ 8-Step Process applies.

Provide a completed 8-Step Process, including the early public notice and the final notice.

Continue to Question 8. Mitigation.

8. Mitigation

For the project to comply with this section, all adverse impacts must be mitigated. Explain in detail the measures that must be implemented to mitigate the impact or effect, including the timeline for implementation. Note: newly constructed and substantially improved structures within the FFRMS floodplain must be elevated to the FFRMS floodplain elevation or floodproofed, if applicable.

N/A

Which of the following if any mitigation/minimization measures have been identified for this project in the 8-Step or 5-Step Process? Select all that apply.

- ☐ Buyout and demolition or other supported clearance of floodplain structures
- ☐ Insurance purchased in excess of statutory requirement under the Flood Disaster Protection Act of 1973
- ☐ Permeable surfaces
- ☐ Natural landscape enhancements that maintain or restore natural hydrology
- ☐ Planting or restoring native plant species
- ☐ Bioswales
- ☐ Stormwater capture and reuse
- ☐ Green or vegetative roofs with drainage provisions
- ☐ Natural Resources Conservation Service conservation easements or similar easements
- ☐ Floodproofing of structures as allowable (e.g. non-residential floors)
- ☐ Elevating structures (including freeboard above the required base flood elevations)
- ☐ Levee or structural protection from flooding
- ☐ Channelizing or redefining the floodway or floodplain through a Letter of Map Revision (LOMR)

Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

Worksheet Summary

Compliance Determination

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

- FIRM panel numbers
- CISA data or maps
- Information on other data or tools used or accessed
- 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

Include all documentation supporting your findings in your submission to HUD

See below.

Worksheet Summary for 2013 Version
Compliance Determination

Attach 'Floodplain Management Partner Worksheet' (OMB No. 2506-0177), FIRM map indicating project location, and summary of 8-step or 5-step decision making process if applicable.

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

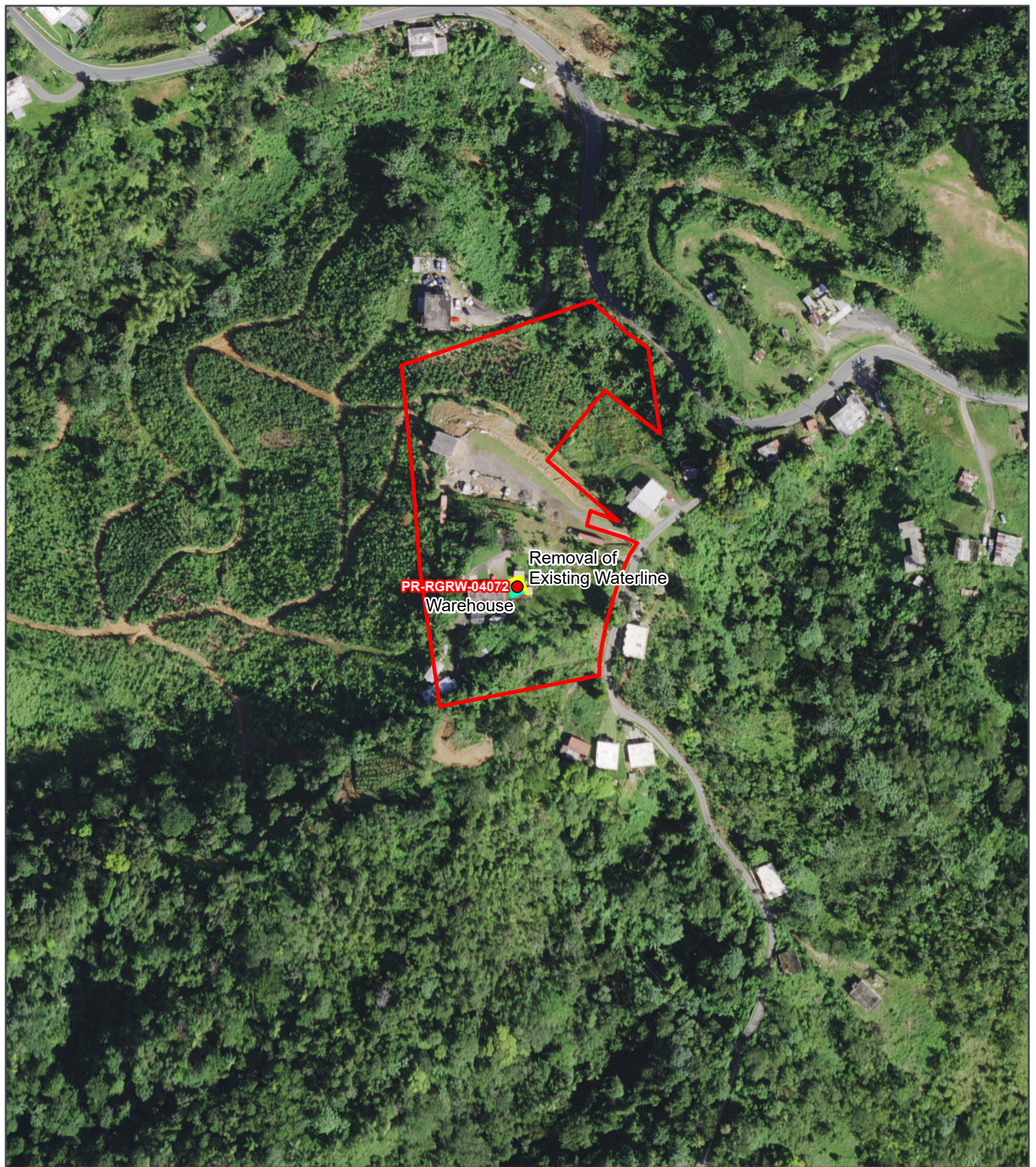
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Include all documentation supporting your findings in your submission to HUD

An Advisory Base Flood Elevation (ABFE) map was developed by FEMA for this FIRM, which shows the project site is in Flood Zone X. The project is not located in the 100-year floodplain or ABFE special flood hazard area; therefore, no further action is required. The project is in compliance with Executive Order 11988. and 13690

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 Utuado; therefore, PFIRM information was not available for the area and therefore not considered in the review. 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.

HUD implemented new floodplain regulations under 89 FR 30850 effective June 24, 2024 which created the Federal Flood Risk Management Standard (FFRMS). 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; therefore, mitigation is not required and the project is in compliance with 24 CFR Part 55.



REGROW PROGRAM

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

Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

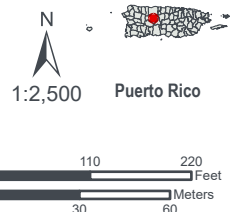
- Site
- Site Parcel
- Project Footprint (Option)
- Above Ground Waterline
- ~ Advisory Base Flood Elevation (ABFE)
- 0.2% Annual Chance Flood
- 1% Annual Chance Flood
- Zone A
- Zone A-Floodway
- Zone AE
- Coastal A Zone
- Coastal A Zone and Floodway
- Zone AE-Floodway
- Zone AO
- Zone VE
- Zone X (500-year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

Bo. Sabana Grande Carr. 611 K 6 H 0
Utua, Puerto Rico 00641

Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°N

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

Base Map: USA NAIP Imagery
Imagery Year: 2022
Updated: 7/15/2024
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:

[Click here to enter text.](#)

→ *Continue to the Worksheet Summary.*

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

The Section 106 Process

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

Step 1: Initiate consultation

Step 2: Identify and evaluate historic properties

Step 3: Assess effects of the project on historic properties

Step 4: Resolve any adverse effects

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

Step 1 - Initiate Consultation

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

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

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

SHPO

→ *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.

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 warehouse bases for Option 1 and Option 2, the buried waterline associated with Option 2, plus a 15-meter (m) horizontal buffer to allow for slight variation in final placement during construction. The visual APE is the viewshed of the proposed project.

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.

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. Surveys within the 0.50 mi review area are limited to Código SHPO 02-23-93-08 (ICP-CAT-UT-92-02-04), performed in 1992 as a Phase1A-1B for the improvement of aqueducts in the area. The survey was 0.07 mi to the northeast of the project area. The findings were negative. Código SHPO #UA00012 is associated with 02-23-93-08 and is most likely an old water tank that was demolished to construct a new one. There is one archaeological evaluation, and no studies of cultural resources have been conducted within the 0.5 mi review radius with no cultural resources found. Archaeological Survey UA1002 was conducted 369 ft (113 m) north of the project area, with negative findings.

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

February 7, 2024

Lauren Bair Poche

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

SHPO-CF-02-03-24-06 PRDOH – DR RE-GROW PROGRAM – PR – RGRW – 04072
KENNETH RIVERA ZEDA, CARRETERA 611 KM. 6 H. O, BO. SABANA GRANDE, UTUADO,
PUERTO RICO

Ms. Bair 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



February 5, 2024

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-04072 – Kenneth Rivera Zeda – Carretera 611 KM 6 H O, Bo. Sabana Grande, Utuado, 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 Kenneth Rivera Zeda located at Carretera 611 KM 6 H O, Bo. Sabana Grande, in the municipality of Utuado. The undertaking for this project includes the installation of a warehouse. The warehouse will be an enclosed structure measuring 20 x 20 feet (ft; 400 square feet [sq. ft]) with a maximum height of 11 ft. It will be constructed of four columns, two 10 ft columns and two 11 ft columns, all of which will be 2 x 2 ft and extend up to 3 ft below ground surface. The roof of the warehouse will have an incline and be attached and secured using screws. There are two potential locations for the warehouse. The preferred option (Option 1) has an existing concrete slab which will be utilized for the new warehouse. Option 2 is a vacant, bare dirt area located in the southwestern corner of the parcel. The ground had been graded prior to this location being considered as a potential location for the warehouse, however further grading would be required if this site is

chosen. A 20 x 20 ft x 3.5 inch (in) thick concrete slab would be constructed here and built to grade if this location is selected for the warehouse. Option 2 also has an active above ground water line running through it, which would need to be buried up to 3 ft below ground surface to minimize risk of damage.

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, EHP Senior Manager

LBP/JLE

Attachments

| | | |
|---|---------------------|--|
| 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: Kenneth Rivera Zeda | | |
| Case ID: PR-RGRW-04072 | City: Utuado | |

| | |
|--|--|
| Project Location: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | |
| Project Coordinates: (as provided by applicant during field visit) Warehouse Option 1: 18.280499, -66.673998 Warehouse Option 2: 18.280139, -66.674240 Option 2 Water Line Burial: 18.280337, -66.674257 | |
| TPID (Número de Catastro): 162-093-158-49 | |
| Type of Undertaking: <input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction | |
| Construction Date (AH est.): Owner's House: ca. 1990 Greenhouses/sheds/warehouses on the applicant's property: ca. 2000 Neighbor to the southeast: ca. 1972 | Property Size (acres): 3.57 total Warehouse Option 1: 0.009183 acre (400 sq. ft) Warehouse Option 2: 0.009183 acre (400 sq. ft) Option 2 Water Line Burial: 0.00242 acre |


| |
|---|
| SOI-Qualified Architect/Architectural Historian: Erin Edwards, MPS |
| Date Reviewed: December 2, 2023 |
| SOI-Qualified Archaeologist: Brian McNamara, M.A., R.P.A. |
| Date Reviewed: December 14, 2023 |

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

Project Description (Undertaking)

The proposed project involves the installation of a warehouse. The warehouse will be an enclosed structure measuring 20 x 20 feet (ft; 400 square feet [sq. ft]) with a maximum height of 11 ft. It will be constructed of four columns, two 10 ft columns and two 11 ft columns, all of which will be 2 x 2 ft and extend up to 3 ft below ground surface. The roof of the warehouse will have an incline and be attached and secured using screws. There are two potential locations for the warehouse.

Option 1 is the preferred location and is located in the south-central portion of the parcel. There is a preexisting 20 x 20 ft concrete platform located here that the warehouse would be built upon. There is an above ground water line running around the edges of the platform that would be removed prior to construction.

| | | |
|---|---------------------|--|
| 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: Kenneth Rivera Zeda | | |
| Case ID: PR-RGRW-04072 | City: Utuado | |

Option 2 is a vacant, bare dirt area located in the southwestern corner of the parcel. The ground had been graded prior to this location being considered as a potential location for the warehouse, however further grading would be required if this site is chosen. A 20 x 20 ft x 3.5 inch (in) thick concrete slab would be constructed here and built to grade if this location is selected for the warehouse. Removal of the sediment pile resulting from previous grading efforts is not included in the Intended Use of Grant Funds. Site Option 2 also has an active above ground water line running through it, which would need to be buried up to 3 ft below ground surface to minimize risk of damage.

Removal of the water line at Site Option 1 and burying of the existing water line at Site Option 2 are not part of the Intended Use of Grant Funds.

No electrical or water connections will be required for the warehouse.


No tree clearing is required for construction, and the project will have limited 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 warehouse bases for Option 1 and Option 2, the buried waterline associated with Option 2, plus a 15-meter (m) horizontal buffer to allow for slight variation in final placement during construction. 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 which shows that there are no reported archaeological materials or significant cultural properties within a half-mile (mi) radius of the project location. There is one archaeological evaluation, and no studies of cultural resources have been conducted within the 0.5 mi review radius with no cultural resources found. Archaeological Survey UA1002 was conducted 369 ft (113 m) north of the


| | | |
|---|---------------------|--|
| 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: Kenneth Rivera Zeda | | |
| Case ID: PR-RGRW-04072 | City: Utuado | |

project area, with negative findings. The proposed project is located in a mountainous area of the central-west portion of the island at an elevation of 545 ft (166 m) above mean sea level. Per the USGS/NRCS Web Soil Survey, the project area crosses two mapped soil series: InD (Ingenio clay loam, 5 to 20 percent slopes) and LcF2 (Lirios clay loam, 40 to 60 percent slopes). The project area APE is in the central-east portion of Municipio Utuado. The general project area is located on a north-facing slope near the summit of a mountain that is part of a broader area of highlands of pronounced topographic relief and tropical forest vegetation that separates lower elevations of the city of Utuado to the west from Lago Caonillas to the east. The closest freshwater source is the Quebrada Utuado, located 0.24 mi (0.38 kilometer [km]) south of the project area. The north coast is approximately 14.3 mi (23.1 km) from the project area.

Identification of Historic Properties - Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61) shows that the project area is not within the boundaries of a National Register of Historic Places (NRHP)-eligible or listed Traditional Urban Center or Historic District. Surveys within the 0.50 mi review area are limited to Código SHPO 02-23-93-08 (ICP-CAT-UT-92-02-04), performed in 1992 as a Phase 1A-1B for the improvement of aqueducts in the area. The survey was 0.07 mi to the northeast of the project area. The findings were negative. Código SHPO #UA00012 is associated with 02-23-93-08 and is most likely an old water tank that was demolished to construct a new one.

This rural area of Utuado has undulating hills with dense tropical vegetation. The project site is on a 3.57-acre parcel that drapes over the top of a hill. Option 1 for the warehouse sits at the summit of the hill, and Option 2 sits on the west slope of the hill. There are buildings to north, northeast, east, and southeast of the project site. Areas to the northwest, west, and south are undeveloped or farmland. Historic aerials from 1972 (<https://www.historicaerials.com/viewer>) show one building on the project site, but that building is not extant in current aerials. There is a neighbor to the southeast that appears on the 1972 aerial (on the other side of the hill from the project area) that still is in place, however that property will not have a view of the project site due to elevation and vegetation. The applicant's house was constructed ca. 1990 and the various sheds/warehouses/greenhouses on the property were all constructed after 1990, ca. 2000.

| | |
|---|--|
| 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: Kenneth Rivera Zeda | |
| Case ID: PR-RGRW-04072 | City: Utuado |


As the project is not visible to the neighbors on the other side of the hill, this project will have no effect on historic properties.

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. There are no reported archaeological materials or significant cultural properties within a half-mi radius of the proposed project location. No known archaeological sites or NRHP listed/eligible historic properties are within or adjacent to the property or the parcel in which the Area of Potential Effect of case PR-RGRW-04072 is located. The closest freshwater body is the Quebrada Utuado, located approximately 0.24 mi (0.38 km) south of the project area. The size of the proposed project activities are very small (0.020786 acres) and construction of public roads/residential structures/agricultural infrastructure has impacted the surrounding terrain. The project sites will not be visible to any neighbors as the site is on top of a hill and surrounded by dense vegetation. Therefore, no historic properties will be affected by the proposed project activities.

| | | |
|---|--|--|
| 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: Kenneth Rivera Zeda | | |
| Case ID: PR-RGRW-04072 | | City: Utuado |

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

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

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

This Section is to be Completed by SHPO Staff Only

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

Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

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



REGROW PROGRAM

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

Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

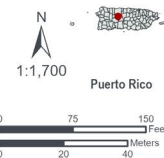
- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)
- ▭ APE (Buffer (15-meters))

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641

Parcel ID: 162-093-158-49-000
Parcel Center:
66.674119°W 18.280316°N

Base Map: ESRI ArcGIS Online,
accessed October 2023
Updated: 10/27/2023

Layout: APE
Aprx: 72428_ReGrowTier2Maps



Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

Project (Parcel) Location - Aerial Map



REGROW PROGRAM

**Figure A-2:
Site Vicinity**

Applicant ID: PR-RGRW-04072

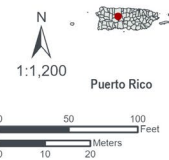
SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Site Parcel
- Project Footprint (Option)

Bo. Sabana Grande Carr. 611 K 6
H 0
Utuado, Puerto Rico 00641

Parcel ID: 162-093-158-49-000
Parcel Center:
66.673935°W 18.280845°N

Base Map: ESRI ArcGIS Online,
accessed October 2023
Updated: 10/27/2023
Layout: Site Vicinity
Aprx: 72428_ReGrowTier2Maps

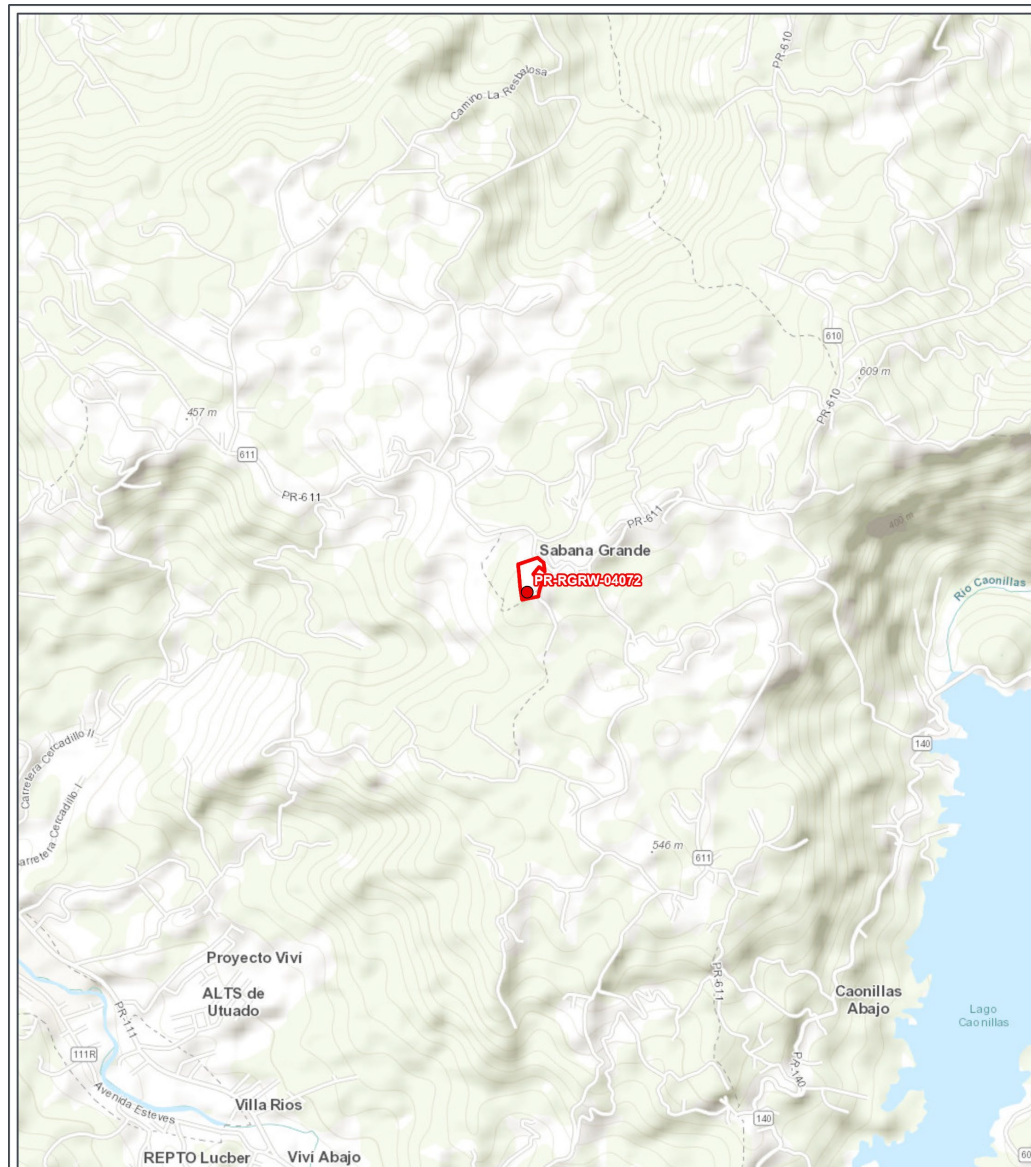


Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

Project (Parcel) Location - USGS Topographic Map



REGROW PROGRAM

**Figure A-1:
Site Location**

Applicant ID: PR-RGRW-04072

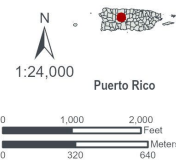
SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Site Parcel

Bo. Sabana Grande Carr. 611 K
6 H 0
Utuado, Puerto Rico 00641

Parcel ID: 162-093-158-49-000
Parcel Center:
66.674119°W 18.280316°N

Base Map: ESRI ArcGIS Online,
accessed August 2023
Updated: 8/25/2023
Layout: Site Location
Aprx: 72428_ReGrowTier2Maps



Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

Project (Parcel) Location – Soils Map (Only if Archaeology Review is Required)

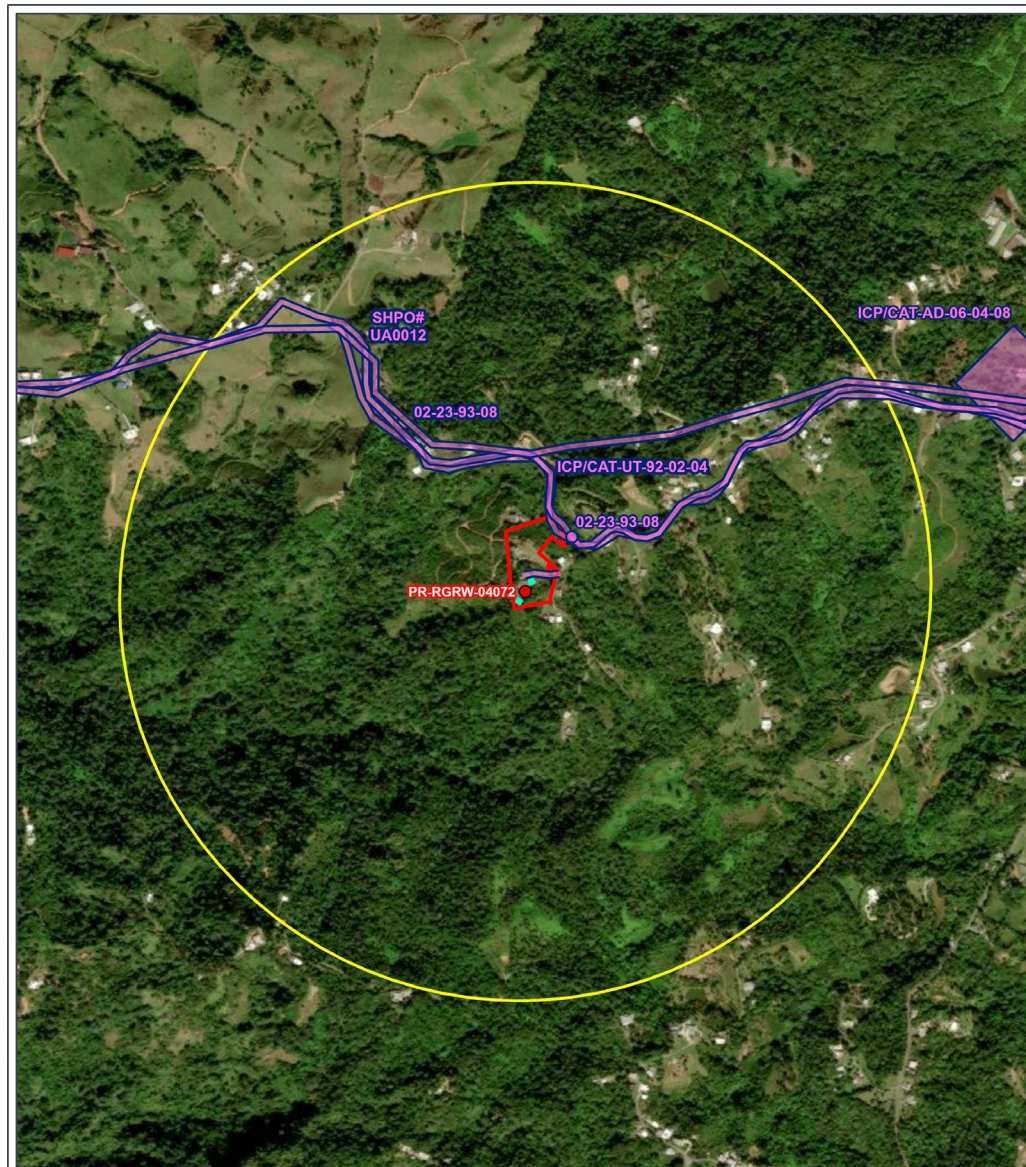


Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

Project (Parcel) Location with Previous Investigations - Aerial Map



REGROW PROGRAM

Previous Investigation Map

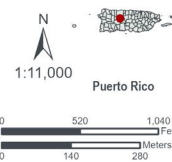
Applicant ID: PR-RGRW-04072



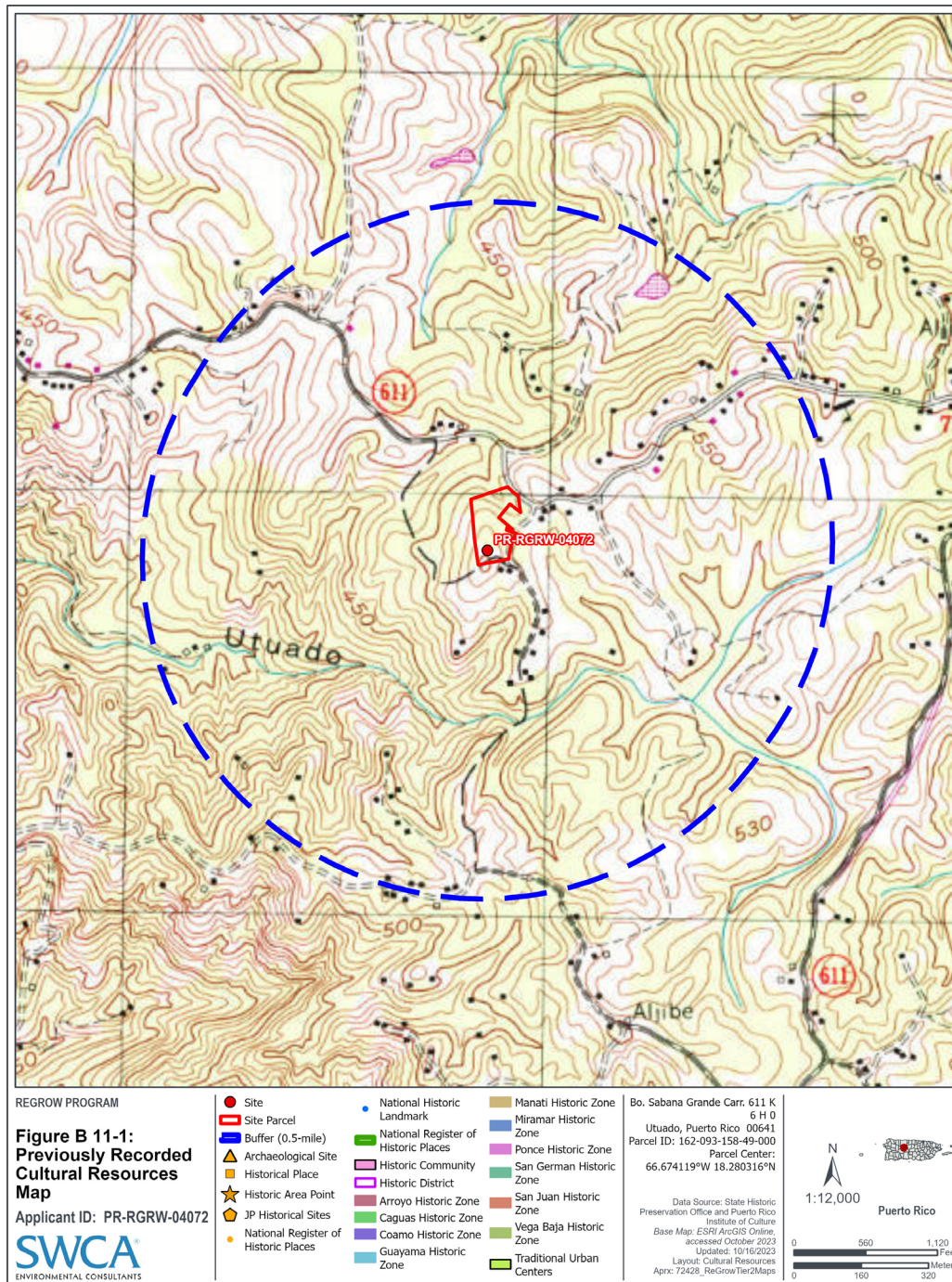
- Site
- ▭ Site Parcel
- ▭ Project Footprint (Option)
- ▭ Buffer (0.5-mile)
- ▭ Previously Recorded Survey
- ▭ MIPR Arqueologia
- ▭ Traditional Urban Centers

Bo. Sabana Grande Carr. 611 K
6 H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Parcel Center:
66.674119°W 18.280316°N

Data Source: State Historic
Preservation Office and Puerto Rico
Institute of Culture
Base Map: ESRI ArcGIS Online,
accessed October 2023
Updated: 10/15/2023
Layout: Previous Investigation
Aprx: 72428_ReGrowTier2Maps



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



Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado


Photograph Key




Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

| | | |
|--|----------------------------|---|
| Photo #: 01 | Date: 08/24/2023 |  |
| Photo Direction: South | | |
| Description: <p>Overview of the Option 1 location for a warehouse 20x20 ft over a pre-existing concrete base of the same measurements. During Hurricane Maria, the warehouse lost the roof, and the columns were damaged. The picture shows a partial view of a small warehouse, the existing concrete platform with damaged columns, a vehicle, and a freight container that will be moved once construction has begun.</p> | | |

| | | |
|---|-----------------------------|--|
| Photo #: 02 | Date: 08/24/ 2023 |  |
| Photo Direction: Southwest | | |
| Description: <p>The overview was taken from the northeast corner of the site location for a warehouse 20 x 20 ft where the applicant plans on using the existing platform with new columns and a roof. The picture shows the applicant, a freight container that will be moved, a vehicle, and the applicant's residence.</p> | | |

Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

Photo #:
03

Date:
08/24/ 2023

Photo Direction:
Southwest

Description:

The overview was taken from the northwest corner of Option 1 location for a warehouse 20 x 20 ft where the applicant plans on using the existing platform with new columns and a roof. The picture shows a partial view of the applicant's residence the freight container, and a bathroom that is on the south side of the project.



Photo #:
04

Date:
08/24/23

Photo Direction:
Northeast

Description:

The overview was taken from the southwest corner of Option 1 location for a warehouse 20 x 20 ft where the applicant plans on using the existing platform with new columns and a roof. The picture shows a partial view of the existing warehouse, a vehicle, and a freight container.



Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

Photo #:
07

Date:
08/24/23

Photo Direction:
South

Description:
Overview of Option 2 for a warehouse 20 x 20 ft; the picture shows the bare ground grade, the area's vegetation, a warehouse (coffee pulper) for equipment, and a water pipeline that will need to be placed underground (up to 3 ft deep, same direction) to minimize risk of damage.



Photo #:
08

Date:
08/24/23

Photo Direction:
Southwest

Description:
Overview of Option 2 for a warehouse 20 x 20 ft with a platform 20 x 20 ft, 3.5 in thick; the picture shows the area of the coffee pulper, the drying area, the area's vegetation, and construction materials.



Applicant: Kenneth Rivera Zeda

Case ID: PR-RGRW-04072

City: Utuado

| | |
|---|--------------------------|
| Photo #: 12 | Date: 08/24/23 |
| Photo Direction: West | |
| Description: This picture depicts the western portion of Option 2 location for a 20 x 20 ft warehouse. The applicant would need to grade the ground surface and build a concrete platform measuring 20 x 20ft, 3.5 in thick. The picture shows the coffee pulper area built before Hurricane Maria. | |



| | |
|---|--------------------------|
| Photo #: 16 | Date: 08/24/23 |
| Photo Direction: South | |
| Description: This is an overview the applicant's residence. Construction began in the late 1980s and was completed early 1990s. (Ca. 1990). | |





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

Attachment 12

**Sole Source Aquifer 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.*

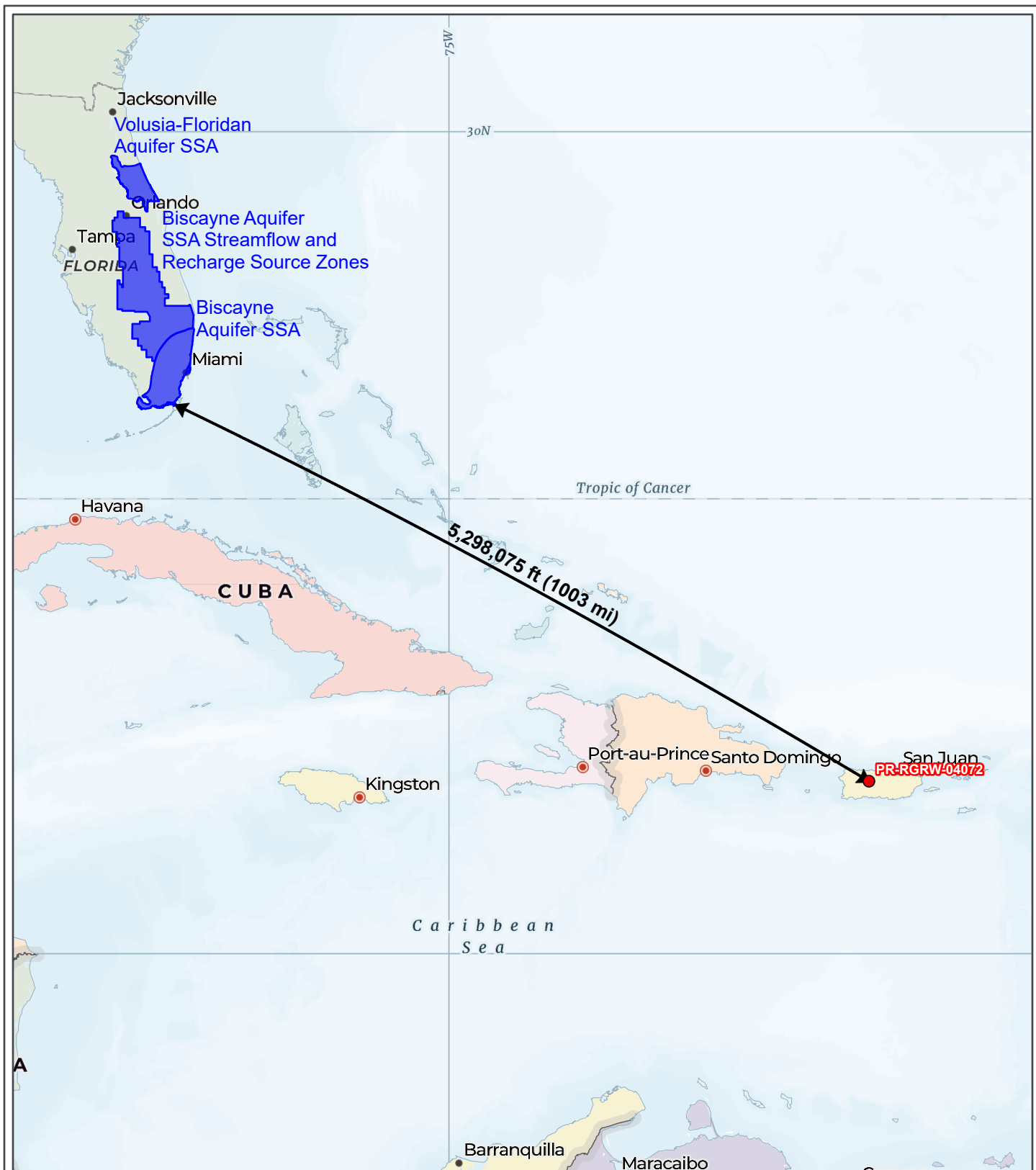
Worksheet Summary

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-04072

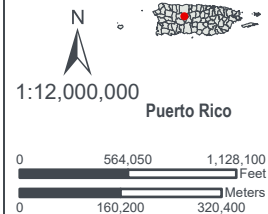
SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Sole Source Aquifers

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

Bo. Sabana Grande Carr. 611 K 6 H 0
Utuado, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
73.532676°W 21.776959°N

Data Source: <https://services.arcgis.com/cJ9YHowT8TU7DUyn/arcgis/rest/services/SoleSourceAquifers/FeatureServer>
Base Map: ESRI ArcGIS Online, accessed July 2024
Updated: 7/15/2024
Layout: Sole Source Aquifers
Aprx: 72428_ReGrowTier2Maps



Attachment 13

**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 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.

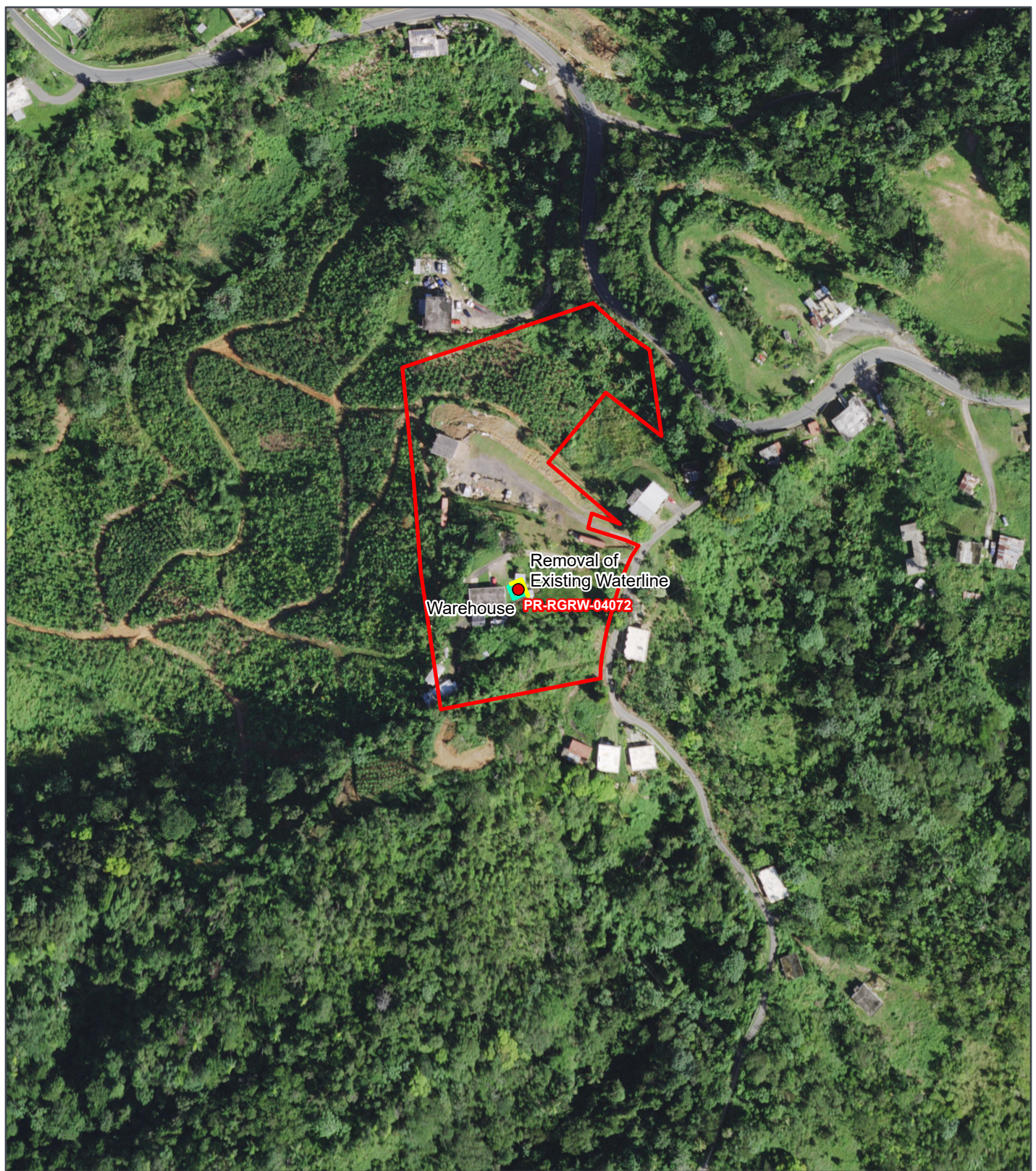
Worksheet Summary

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. No wetlands were determined to be present on site. No further evaluation is required. The project is in compliance with Executive Order 11990.



REGROW PROGRAM

Figure B 13-1: Wetlands Protection Map

Applicant ID: PR-RGRW-04072

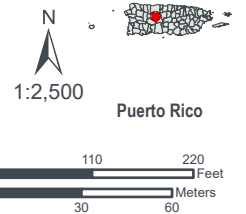
SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- Site Parcel
- Project Footprint (Option)
- Above Ground Waterline
- - NHD Stream
- Estuarine and Marine Deepwater

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

Bo. Sabana Grande Carr. 611 K 6
H 0
Utua, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Center of Map:
66.673993°W 18.280502°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: 7/15/2024
Layout: Wetlands Protection



Attachment 14

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 Utuado Municipio. The closest Wild and Scenic River segment is located 306,776 feet (58 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

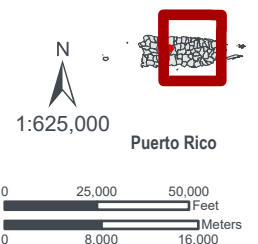
Applicant ID: PR-RGRW-04072

SWCA
ENVIRONMENTAL CONSULTANTS

- Site
- National Wild and Scenic River

Bo. Sabana Grande Carr. 611 K 6 H
0
Utua, Puerto Rico 00641
Parcel ID: 162-093-158-49-000
Parcel Center:
66.231926°W 18.286402°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: 7/15/2024



Attachment 15
Environmental Justice Partner Worksheet
and EJScreen Report



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

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

Environmental Justice (CEST and EA) – PARTNER

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

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

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

☐ Yes → *Continue to Question 2.*

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

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

☐ Yes

Explain:

Click here to enter text.

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

☐ No

Explain:

Click here to enter text.

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

Worksheet Summary

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

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

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

The ReGrow Program intends to 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.

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

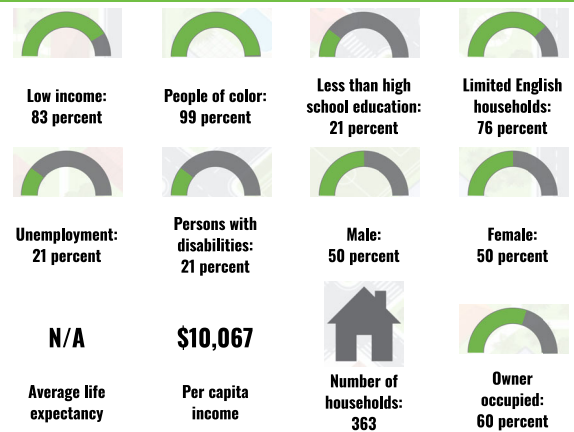
Utuado Municipio, PR

1 mile Ring Centered at 18.280510,-66.673992

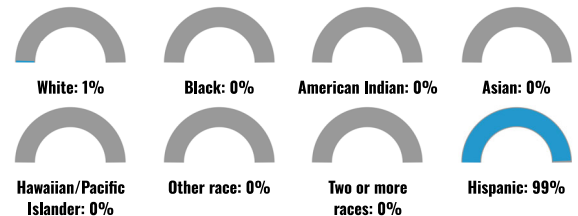
Population: 1,096

Area in square miles: 3.14

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



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.

LANGUAGES SPOKEN AT HOME

| LANGUAGE | PERCENT |
|-------------------|---------|
| English | 5% |
| Spanish | 95% |
| Total Non-English | 95% |

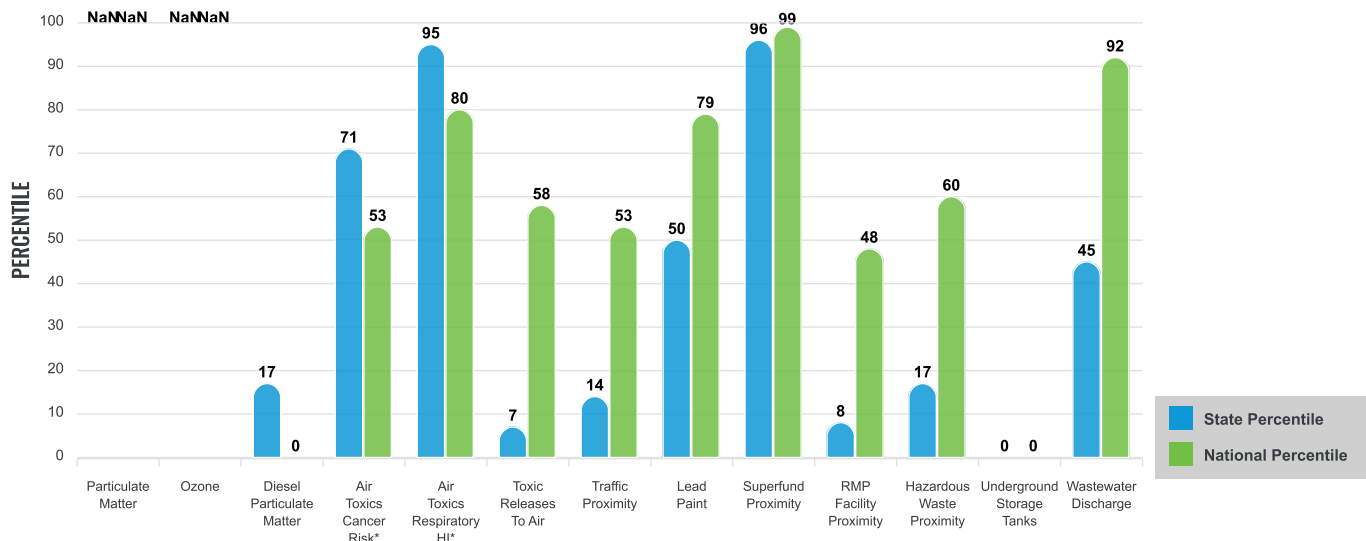
Environmental Justice & Supplemental Indexes

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.

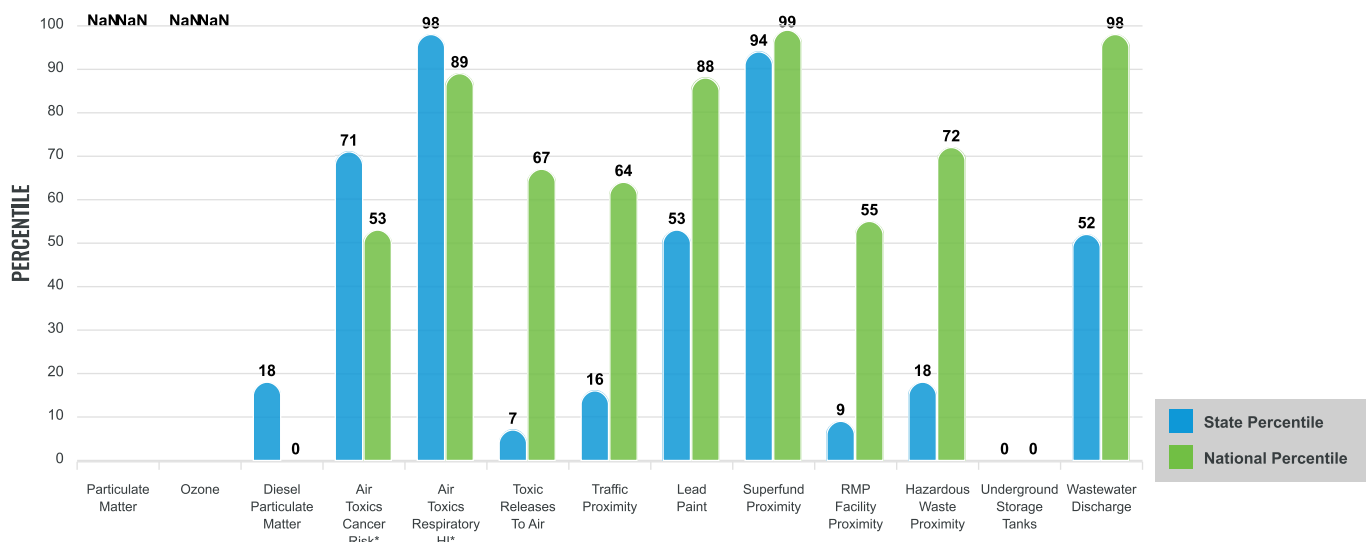
EJ INDEXES FOR THE SELECTED LOCATION



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 18.280510,-66.673992

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 ($\mu\text{g}/\text{m}^3$) | 0.0169 | 0.0667 | 15 | 0.261 | 0 |
| Air Toxics Cancer Risk* (lifetime risk per million) | 20 | 20 | 15 | 25 | 5 |
| Air Toxics Respiratory HI* | 0.29 | 0.19 | 97 | 0.31 | 4 |
| Toxic Releases to Air | 48 | 4,300 | 5 | 4,600 | 17 |
| Traffic Proximity (daily traffic count/distance to road) | 10 | 180 | 13 | 210 | 16 |
| Lead Paint (% Pre-1960 Housing) | 0.081 | 0.16 | 46 | 0.3 | 32 |
| Superfund Proximity (site count/km distance) | 0.55 | 0.15 | 95 | 0.13 | 95 |
| RMP Facility Proximity (facility count/km distance) | 0.056 | 0.47 | 7 | 0.43 | 13 |
| Hazardous Waste Proximity (facility count/km distance) | 0.096 | 0.76 | 16 | 1.9 | 19 |
| Underground Storage Tanks (count/km ²) | 0 | 1.7 | 0 | 3.9 | 0 |
| Wastewater Discharge (toxicity-weighted concentration/m distance) | 0.017 | 2.3 | 62 | 22 | 72 |
| SOCIOECONOMIC INDICATORS | | | | | |
| Demographic Index | 91% | 83% | 68 | 35% | 99 |
| Supplemental Demographic Index | 50% | 43% | 67 | 14% | 99 |
| People of Color | 99% | 96% | 27 | 39% | 96 |
| Low Income | 83% | 70% | 67 | 31% | 98 |
| Unemployment Rate | 21% | 15% | 72 | 6% | 96 |
| Limited English Speaking Households | 76% | 67% | 64 | 5% | 99 |
| Less Than High School Education | 21% | 21% | 51 | 12% | 82 |
| Under Age 5 | 2% | 4% | 34 | 6% | 19 |
| Over Age 64 | 21% | 22% | 46 | 17% | 69 |
| 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 | 0 |

Other community features within defined area:

| | |
|-------------------------|---|
| Schools | 0 |
| Hospitals | 0 |
| 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 18.280510,-66.673992

EJScreen Environmental and Socioeconomic Indicators Data

| HEALTH INDICATORS | | | | | |
|---------------------------|--------------|---------------|------------------|------------|---------------|
| INDICATOR | HEALTH VALUE | STATE AVERAGE | STATE PERCENTILE | US AVERAGE | US PERCENTILE |
| Low Life Expectancy | N/A | N/A | N/A | 20% | N/A |
| Heart Disease | N/A | N/A | N/A | 6.1 | N/A |
| Asthma | N/A | N/A | N/A | 10 | N/A |
| Cancer | N/A | N/A | N/A | 6.1 | N/A |
| Persons with Disabilities | 19.2% | 21.6% | 35 | 13.4% | 83 |

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

| CRITICAL SERVICE GAPS | | | | | |
|--------------------------|--------------|---------------|------------------|------------|---------------|
| INDICATOR | HEALTH VALUE | STATE AVERAGE | STATE PERCENTILE | US AVERAGE | US PERCENTILE |
| Broadband Internet | 42% | 32% | 72 | 14% | 96 |
| Lack of Health Insurance | 6% | 7% | 52 | 9% | 46 |
| 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 18.280510,-66.673992

Appendix C

Environmental Site Inspection Report



ENVIRONMENTAL FIELD ASSESSMENT FORM

ReGrow

| | |
|---|---------------------------|
| Applicant Name: Kenneth Rivera Zeda | Program ID: PR-RGRW-04072 |
| Project Coordinates: 18.280508, -66.67399 | Parcel ID: 162-093-158-49 |
| Parcel Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande | Municipio: Utuado, PR |
| Zip Code: 00641 | |

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

General Site Conditions

| | | |
|---|-----|---------------|
| Was property accessible by vehicle? | Yes | Comment: |
| Access issues? | No | Comment: None |
| Are water wells present? | No | Comment: |
| Are creeks or ponds present? | No | Comment: |
| Are any potential wetlands on-site or visible on adjacent parcel? | No | Comment: |

Parcel Conditions

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

| | | |
|---|-----|--|
| Do any of the proposed project work areas show evidence of site preparation? | Yes | Comment: The area is a replacement of the columns and the roof because the platform was built before Hurricane Maria, but it was severely damaged by it. |
| 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. | Yes | Comment: 100-pound propane gas tank for cooking or the dryer (empty). |
| Are 55-gallon drums present? If Yes, also state condition. | No | Comment: |



ENVIRONMENTAL FIELD ASSESSMENT FORM

ReGrow

| | | |
|--|-----|---|
| 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? | Yes | Comment: The area has possible animal burrows which the applicant mentioned are made by the chickens when they check the ground for worms, etc. |
| Are there any buildings in direct visual sight of the project locations? | Yes | Comment: Applicant's residence started to be built around the end of the 1980s and finished at the beginning of 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}
{August 24th, 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-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | |
|--|-------------------------|
| Photo #: 01 | Date: 08/24/2023 |
| Photo Direction: South | |
| Description: Overview of the site location for a warehouse 20x20ft over a pre-existing concrete base of the same measurements, 11 to 10 ft height (the roof will be inclined to help with the rain). During Hurricane Maria, the warehouse lost the roof, and the columns were turned and damaged. The picture shows a partial view of a small warehouse, the existing concrete platform with the turned columns, a vehicle, and a freight container the applicant plans to move once the construction of the warehouse has begun. | |



| | |
|--|----------------------------|
| Photo #: 02 | Date: 08/24/2023 |
| Photo Direction: Southwest | |
| Description: The overview was taken from the northeast corner of the site location for a warehouse 20x20x11-10 feet where the applicant plans on using the existing platform with new columns and a roof. The picture shows the applicant, a freight container that will be moved, a vehicle, and the applicant's residence. | |



| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H O, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | |
|---|-----------------------------|
| Photo #: 03 | Date: 08/24/ 2023 |
| Photo Direction: Northwest | |
| Description: The overview was taken from the southeast corner of site location for a warehouse 20x20x11-10 feet where the applicant plans on using the existing platform with new columns and a roof. The picture shows a partial view of the applicant's residence the freight container, and a bathroom that is on the south side of the project. | |



| | |
|---|-----------------------|
| Photo #: 04 | Date: 08/24/23 |
| Photo Direction: Northeast | |
| Description: The overview was taken from the southwest corner of the site location for a warehouse 20x20x11-10 feet where the applicant plans on using the existing platform with new columns and a roof. The picture shows a partial view of the existing warehouse, a vehicle, and a freight container. | |



| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | |
|---|--------------------------|
| Photo #: 05 | Date: 08/24/23 |
| Photo Direction: Southeast | |
| Description: The picture was taken from the northwest corner of site location for a warehouse 20x20x11-10 feet where the applicant plans on using the existing platform with new columns and a roof. The picture shows a partial view of the existing warehouse, a vehicle, and a freight container. The water pipe at the side of the concrete base will be removed. | |



| | |
|--|-----------------------|
| Photo #: 06 | Date: 08/24/23 |
| Photo Direction: Southeast | |
| Description: The picture shows the bare ground graded with a dirt pushed pile from the leveling. | |



| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | |
|--|--------------------------|
| Photo #: 07 | Date: 08/24/23 |
| Photo Direction: South | |
| Description: The picture shows the bare ground graded, the area's vegetation, a warehouse for equipment (coffee pulper), and a water pipeline. | |



| | |
|---|--------------------------|
| Photo #: 08 | Date: 08/24/23 |
| Photo Direction: Southwest | |
| Description: The picture shows the area of the coffee pulper, the drying area, the area's vegetation, and construction materials. | |



| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |


| | |
|--|--------------------------|
| Photo #: 09 | Date: 08/24/23 |
| Photo Direction: North | |
| Description: The picture shows the area's vegetation and a water pipeline. | |




| | |
|--|-----------------------|
| Photo #: 10 | Date: 08/24/23 |
| Photo Direction: East | |
| Description: The picture shows a partial view of another warehouse structure from a neighbor, the area's vegetation, and the dirt pile pushed to the corner of the property with debris. | |



| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | | |
|---|--------------------------|--|
| Photo #: 11 | Date: 08/24/23 |  |
| Photo Direction: South | | |
| Description: The picture shows a dirt wall that was scraped when the west warehouse was built (before Hurricane Maria). | | |

| | | |
|--|--------------------------|--|
| Photo #: 12 | Date: 08/24/23 |  |
| Photo Direction: West | | |
| Description: The picture shows the west warehouse (coffee pulper) built before Hurricane Maria and expanded to the back afterwards with an empty bucket, and the drying area for the coffee. | | |

| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | |
|---|--------------------------|
| Photo #: 13 | Date: 08/24/23 |
| Photo Direction: Close-Up | |
| Description: This picture shows an area with possible animal burrows, but the applicant mentioned they are made by chickens when they check the ground for worms, etc. *The compass is for reference of where it is located, to the left. | |



| | |
|---|--------------------------|
| Photo #: 14 | Date: 08/24/23 |
| Photo Direction: Close-Up | |
| Description: This picture shows an area with possible animal burrows, but the applicant mentioned they are made by chickens when they check the ground for worms, etc. *The compass is for reference of where it is located, to the left. | |



| | |
|---|-----------------------------------|
| Project #: PR-RGRW-04072 | Photographer: Delise Torres Ortiz |
| Location Address: Carretera 611 KM 6 H 0, Bo. Sabana Grande, Utuado, PR 00641 | Coordinates: 18.280508, -66.67399 |

| | |
|--|--------------------------|
| Photo #: 15 | Date: 08/24/23 |
| Photo Direction: Southwest | |
| Description: This picture shows a 100-pound propane gas tank usually used for cooking or the dryer on the west side of the property; this tank is empty and not connected. | |



| | |
|---|--------------------------|
| Photo #: 16 | Date: 08/24/23 |
| Photo Direction: South | |
| Description: The picture overview the applicant's residence started to be built around the end of the 1980s and finished at the beginning of the 1990s. | |

