

# **Environmental Assessment**

## **Determinations and Compliance Findings for HUD-assisted Projects**

### **24 CFR Part 58**

#### **Project Information**

**Project ID:** PR-RGRW-00497

**Project Name:** Jesus Flecha Rodriguez

**Responsible Entity:** Puerto Rico Department of Housing

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

**State/Local Identifier:** Puerto Rico/ Santa Isabel

**Preparer:** Ana Martin

**Certifying Officer Name and Title:** Permit and Compliance Officers: Ivelisse Lorenzo Torres, Sally Acevedo Cosme, Pedro De León Rodriguez, María T. Torres Bregón, Angel G. López-Guzmán, Santa Damarys Ramírez Lebrón, and Janette I. Cambrelén, Limary Velez Marrero, Juan Carlos Perez Bofill, Mónica M. Machuca Ríos

**Consultant** (if applicable): HORNE LLP

**Direct Comments to:** PRDOH ([environmentcdbg@vivienda.pr.gov](mailto:environmentcdbg@vivienda.pr.gov))

**Project Location:** The proposed project is located on a 363-acre parcel (Castradal number 415-000-008-02-901) at Carretera 161, kilómetro 3 Interior, Parque Molinos, Santa Isabel, PR 00757. Project activities will be located at 17.975461, -66.394587. (Appendix B, Figure 1- Site Location and Figure 2 – Site Vicinity).

**Description of the Proposed Project** [24 CFR 58.32; 40 CFR 1508.25]: The project business is Jesus Flecha Rodriguez. Project includes the purchase of a tractor and the purchase and installation of a pumping irrigation system.

The project undertaking consists of constructing a concrete waterproof anchored base for a pumping irrigation system that will be installed at approximately (17.975461, -66.394587). The required concrete pad will be 10'-x-10'. The concrete base will have a 12-inch (in) wall along the pad's perimeter to retain oil spills and other contaminants. Additionally, ground disturbance will be involved in the installation of three valves which will be installed along an existing irrigation line that has been in place since before the applicant entered the program in 2015. The approximate locations of the proposed

valves are: valve 1: 17.975976, -66.393964, valve 2: 17.977237 -66.392746, valve 3: 17.978533, -66.391324. After the valve is connected, the system will then connect to an above ground irrigation line. (Appendix B, Figure 1- Site Location and Figure 2 – Site Vicinity). See Appendix G for site inspection report.

**Statement of Purpose and Need for the Proposal** [40 CFR 1508.9(b)]: The Re-Grow Puerto Rico Urban-Rural Agriculture Program (Re-Grow) will build agricultural capacity and is focused on promoting and increasing food security island wide and enhancing and expanding agricultural production related to economic revitalization and sustainable development activities. This agricultural project associated with the purchase of a tractor and installation of a pumping irrigation system is in keeping with the overall objectives of the economic development program.

**Existing Conditions and Trends** [24 CFR 58.40(a)]: The existing area for the proposed pumping irrigation system is used for agricultural purposes. Therefore, there is no change in land use associated with this pumping irrigation system unit.

**Funding Information**

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

**Estimated Total HUD Funded Amount:** \$100,000

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

## **Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities**

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits or approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

<b>Compliance Factors:</b> Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	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 airport, Mercedita International Airport, is located 53,727 feet. The project is in compliance with Airport Hazards requirements. (Appendix B, figure 3).
<b>Coastal Barrier Resources</b>  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"/>	This project is not located in a CBRS Unit. It is 8,705 feet from a protected area. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. (Appendix B, figure 4).
<b>Flood Insurance</b>  Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project site is located in a Zone X, Panel 72000C2060J, effective 11/18/2009. The project does not require flood insurance. This project is in compliance with Floodplain Insurance requirements. See the attached Flood Map. (Appendix B, figures 5 and 5.1).

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

<p><b>Clean Air</b></p> <p>Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The Project site is not located in a county or air quality management district that is in attainment status or non-attainment status for any criteria pollutants. The Municipio of Santa Isabel is not listed in the EPA Green Book "Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants" (Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, Toa Baja). The project consists of the construction of a pumping irrigation system. These activity will have no impact on air quality. The project is in compliance with Clean Air Act. (Appendix C).</p>
<p><b>Coastal Zone Management</b></p> <p>Coastal Zone Management Act, sections 307(c) &amp; (d)</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project is located 6,245 feet from the nearest Coastal Zone Management area and does not affect a Coastal Zone as defined in the PR Coastal Zone Management Plan. The project is in compliance with the Coastal Zone Management Act. (Appendix B, figure 7).</p>
<p><b>Contamination and Toxic Substances</b></p> <p>24 CFR Part 58.5(i)(2)</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>Site contamination was evaluated through online data search. On-site or nearby toxic, hazardous, or radioactive substances that could affect the health and safety of project occupants or conflict with the intended use of the property were not found. There is one toxic site within 3,000 feet of the project area but it will not impact the project based on ECHO report and/or distance. The project is in compliance with contamination and toxic substances requirements. See the attached Toxics map (Appendix B, figure 8). and Toxics table and supporting docs (Appendix D).</p>
<p><b>Endangered Species</b></p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The Project involves activities that have the potential to affect protected species or habitats including but not limited to</p>

<p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>		<p>activities such as ground disturbance. 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 reevaluated for impacts to Threatened and Endangered Species.</p> <p>A thorough review of IPaC identified the presence of the Puerto Rican Boa. Based on the nature of the project and the project scope, the Caribbean DKey, dated February 08, 2023, in the U.S. Fish and Wildlife Service's online IPaC application was used to evaluate the potential impacts to federally listed species from this project. Based on the answers inputted into the DKey, it was determined that the proposed action will have "No Effect" determination on the Puerto Rican Boa. See Appendix B, figure 9 for endangered species map and Appendix E for USFWS Consultation package.</p>
<p><b>Explosive and Flammable Hazards</b></p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes    No  <input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project includes the installation of a pumping irrigation system and a concrete pad that will accommodate the pump. 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><b>Farmlands Protection</b></p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes    No  <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.</p> <p>Although the project site is within prime farmland and the project scope includes the construction of a new 10'-x-10' concrete slab to install the requested pump and some minor ground disturbance to accommodate the requested valves, the project is exempt</p>

		<p>from review under the Farmland Protection Policy Act (FFPA) as the project activities will aid farm operations. No further review is required. (Appendix B, figure 10).</p>
<p><b>Floodplain Management</b></p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>A review of the Advisory Base Flood Elevation (ABFE) map, Community Panel 72000C2060J (effective date 1/18/2009), shows the project site is in Flood Zone X (Area of minimal hazard). 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. ABFE Floodplain Map attached (Appendix B, figures 6 and 6.1).</p>
<p><b>Historic Preservation</b></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 site was initially visited on November 11, 2022 by SOI-qualified archaeologist. At the time the scope of work was believed to consist of the construction of the proposed pumping irrigation system which consisted on constructing a waterproof anchored concrete base for the system and the installation of a 6-inch diameter, below-ground pipeline irrigation line. The irrigation system was believed to be 3 feet deep and approximately 0.31 miles long. During the site visit, a surface scatter was observed of prehistoric materials consisting of prehistoric ceramic fragments, seashells, and possible lithic artifacts.</p> <p>Horne determined that the project would have No Adverse Effect on potentially intact subsurface cultural resources conditioned to the completion of a Phase IB survey that includes systematic shovel testing of the proposed pad location to confirm previous disturbance caused by the construction of the</p>

		<p>northern irrigation pond and along the proposed route of the buried irrigation pipes to investigate the potential for intact deposits below the plow zone.</p> <p>In a response from PR SHPO dated February 20, 2023, SHPO did not concur with the findings of No Adverse effect. However, they agreed with the recommendation that an archaeological assessment Stage 1 (shovel tests) should be carried out, as the archeological potential for the area is considered high.</p> <p>After a second site visit was performed on July 28, 2023 to obtain clarification regarding the scope of work, it was discovered that the main irrigation line had already been installed and has been in place since before the applicant rented the farm in 2015. Therefore, the proposed activities for the project are limited to the construction of the new 10' x 10' concrete base for the pumping station and the addition of three new manifolds (hydrants, valves) connected to the existing irrigation line for water distribution.</p> <p>Based on the revised scope of work and review of evidence of previous disturbance within the proposed project APE by an SOI-qualified Archaeologist, the Program determined that the project activities will be confined to previously disturbed soils and those activities do not have the potential to impact any intact cultural deposits. Therefore, a reconsideration determination of no historic properties affected was submitted to SHPO on August 3, 2023.</p> <p>SHPO concurred with the finding of No Historic properties affected on August 15,</p>
--	--	--

		<p>2023. This project is in compliance with Historic Preservation requirements. See Appendix B, figures 11 and 11.1 for Historic maps and Appendix F for SHPO consultation.</p> <p><b>Please note</b> the letter from SHPO dated August 15 identifies the incorrect app ID. SHPO identified "PR-R3-00497" instead of "PR-RGRW-00497". However, this is a typo as the letter correctly identifies the Re-Grow program and the correct address for this project (please see highlighted portions on the letter).</p>
<p><b>Noise Abatement and Control</b></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>HUD's noise regulations protect residential properties from excessive noise exposure. The project consists of the installation of a new pump irrigation system which will involve some ground disturbance which includes the installation of a concrete pad and three valves. HUD noise regulations do not apply as the project does not include new construction for residential use or rehabilitation of an existing residential property. The proposed project is in compliance with Noise Abatement and Control.</p>
<p><b>Sole Source Aquifers</b></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>There are no EPA sole source aquifers in Puerto Rico. The project is in compliance with Sole Source Aquifer requirements.</p>
<p><b>Wetlands Protection</b></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 NWI depicts a wetland (PUBHx) 244ft to the south of the proposed project area where the concrete pad for the pump will be installed. The wetland area is described as a man-made, excavated Palustrine System dominated by trees and shrubs. During construction, standard best management practices (BMPs) will be used to minimize erosion</p>



		and runoff. This project does not impact any on or off-site wetlands and includes no activities that would require further evaluation under this section. However, the applicant must acquire all necessary permits according to DNER to pump water from the nearby man-made pond. The project is in compliance with Executive Order 11990. (Appendix B, figure 12).
<b>Wild and Scenic Rivers</b>  Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not within proximity of a National Wild and Scenic River (WSR). The distance to the nearest WSR is approximately 231,558 feet. The project is in compliance with the Wild and Scenic Rivers Act (Appendix B, figure 13).
<b>ENVIRONMENTAL JUSTICE</b>		
<b>Environmental Justice</b>  Executive Order 12898	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	No adverse environmental impacts were identified in the project's total environmental review. The project is in compliance with Executive Order 12898.

**Environmental Assessment Factors** [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits 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
<b>LAND DEVELOPMENT</b>		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The proposed action is continued agricultural use of property which is compatible with zoning and existing land use. There is no urban design associated with this rural, agricultural site.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The soil is currently in agriculture. The site is flat in the immediate area of the proposed project. The area where the concrete slab and proposed valves for the irrigation system will be installed is small so as to not be affected by land development issues. The landslide data indicates low susceptibility (Appendix B, figure 14).
Hazards and Nuisances including Site Safety and Noise	2	There are no specific environmental hazards that have been identified for this site. The site is not in a high Noise Level area, nor will the project generate any additional noise. Additionally, the project does not include housing or such to where inhabitants would be affected.
Energy Consumption	2	The project should not trigger any additional energy consumption since the project is agricultural in nature and will not require any expansion to existing power facilities.
Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>SOCIOECONOMIC</b>		

Employment and Income Patterns	2	The project is not anticipated to have a significant impact on Employment and Income Patterns. However, since the project will include an economic component, it may aid in restoring some employment opportunities and increase income.
Demographic Character Changes, Displacement	2	The proposed project will not alter the demographic characteristics of Santa Isabel, PR. The project will allow for displaced community members to return to agricultural activities.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>COMMUNITY FACILITIES AND SERVICES</b>		
Educational and Cultural Facilities	2	The proposed agricultural project is for the purchase and installation of an irrigation pump system and the purchase of a tractor and will have no impact on educational or cultural facilities.
Commercial Facilities	2	The proposed project may aid in restoring the demand for local commercial services; however, not to the point of putting undue pressure on commercial facilities.
Health Care and Social Services	2	The proposed agricultural project is for the purchase and installation of an irrigation pump system and the purchase of a tractor and will have no impact on Health Care and Social Services.
Solid Waste Disposal / Recycling	2	The proposed project will have no impact on Solid Waste Disposal / Recycling services. The products and by-products are agricultural, and any waste would be biodegradable.
Wastewater / Sanitary Sewers		The proposed project will have no impact on Wastewater / Sanitary Sewers. There will not be sewage

		generation that exceeds the capacity of sewers or treatment facilities nor does the project involve on-site waste disposal systems in areas not suitable for its use. Wastewater from the project will not enter environmentally sensitive areas nor will the project produce any toxic odors affecting quality of life for nearby residents.
Water Supply	2	The proposed project will have minor impact on water usage. Although the applicant is using water from an adjacent waterbody for the irrigation system, the applicant will be installing valves as part of the system. The valves will control the amount of water being drained from the natural water body and the applicant will only use the irrigation system as necessary to water crops.
Public Safety - Police, Fire and Emergency Medical	2	The proposed agricultural project is for the purchase and installation of an irrigation pump system and the purchase of a tractor and would not create any new demand for emergency or health services.
Parks, Open Space and Recreation	2	The proposed project would not create or destroy any new parks, open space, or recreational activities. It also would not increase use of those facilities.
Transportation and Accessibility	2	The proposed project would not involve the creation of new roads nor any increase in long-term traffic on existing roads. There would be some minor use of the existing road during construction. All residents and businesses would retain access to their properties during and after the project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
<b>NATURAL FEATURES</b>		

Unique Natural Features, Water Resources	2	The proposed project will be situated on previous agriculture property and will have no impact to unique natural features or water resources. The waterbody that will be used to pump water to water crops comes from a man-made waterbody. Additionally, the applicant will be installing valves as part of the system to control the flow of water being released. Therefore, no natural features or water resources will be affected by the project.
Vegetation, Wildlife	2	The proposed project will occur on land currently used for agricultural purposes and will continue in that capacity. The proposed project will have no impact on vegetation and wildlife.
Climate Change	2	The Re-Grow Program proposed project aims to increase resiliency in the agricultural industry to prepare for future climate related disasters. The project will not contribute to climate change and will provide a minor net benefit by allowing for increased food production.

**Additional Studies Performed:** Not applicable

**Field Inspection**

11/17/2023 Completed by Emminet Jimenez Ramos

7/28/2023 completed by Blas Guerinca

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

FAA, National Plan for Integrated Airport Systems:  
[www.faa.gov/airports/planning\\_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf](http://www.faa.gov/airports/planning_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf)

John H. Chafee Coastal Barrier Resources System, Puerto Rico map.  
[www.fws.gov/CBRA/Maps/Locator/PR.pdf](http://www.fws.gov/CBRA/Maps/Locator/PR.pdf)

National Park Service, National Registry of Natural Landmarks.  
[www.nature.nps.gov/nnl/docs/NNLRegistry.pdf](http://www.nature.nps.gov/nnl/docs/NNLRegistry.pdf)

US Fish and Wildlife Service, Wild and Scenic Rivers – correspondence to Agency on October 16, 2018

National Wild and Scenic Rivers System: [www.rivers.gov/puerto-rico.php](http://www.rivers.gov/puerto-rico.php)

Puerto Rico Community Development Block Grant Disaster Recovery Action Plan, July 2018. [www.cdbg-dr.pr.gov/en/action-plan/](http://www.cdbg-dr.pr.gov/en/action-plan/)

Programmatic Agreement among the Federal Emergency Management Agency, the Puerto Rico State Historic Preservation Office and the Central Office for Recovery, Reconstruction and Resilience – amended to include the Puerto Rico Department of Housing. (Appendix F)

Sierra Research for Office of Mobile Sources. US Environmental Protection Agency. Report No. SR93-03-02, Evaluation of Methodologies to Estimate Nonroad Mobile Source Usage, March 19, 1993: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=9100UR51.txt>

US Environmental Protection Agency, National Ambient Air Quality Standards, Nonattainment Areas for Criteria Pollutants (Green Book): [www3.epa.gov/airquality/greenbook/anayo\\_pr.html](http://www3.epa.gov/airquality/greenbook/anayo_pr.html)

US EPA, Environmental Topics, Air Topics: [www.epa.gov/environmental-topics/air-topics](http://www.epa.gov/environmental-topics/air-topics)

US Fish and Wildlife Service, Environmental Conservation Online System: <https://ecos.fws.gov/ecp0/reports/species-listed-by-state-report?state=PR&status=listed>

Federal Emergency Management Agency, Flood Mapping Service: <https://msc.fema.gov/portal/home> (compilation of numerous maps)

Puerto Rico Planning Board, Communication regarding Floodplain Management, November 29, 2018.

US Fish and Wildlife Service, National Wetlands Inventory: [www.fws.gov/wetlands/data/mapper.html](http://www.fws.gov/wetlands/data/mapper.html) (compilation of numerous maps)

US Army Corps of Engineers, Jacksonville District, Antilles Section, Communication regarding Wetlands Management, November 13, 2018.

Puerto Rico Coastal Zone Management Program Plan, September 2009.

Puerto Rico Planning Board, Communication regarding Coastal Zone Management, November 16, 2018 (No response).

US EPA, Sole Source Aquifers. Esri HERE, Garmin, NOAA, USGS, EPA.

US Fish and Wildlife Service, Caribbean Ecological Services Field Office. E-mail communication regarding October 23, 2018 letter on Threatened and Endangered Species and Critical Habitats.

NOAA Fisheries / National Marine Fisheries Service, NEPA Coordinator Southeast Regional Office. Communication on October 16, 2018 regarding designated critical habitat. (No response).

US Geological Survey, Data Release of May Showing Concentration of Landslides Caused by Hurricane Maria, <https://doi:10.5066/F7JD4VRF>

**List of Permits Obtained:** None obtained

**Public Outreach** [24 CFR 58.43]: The public will be notified of the project through publication of the combined Finding of No Significant Impact – Notice of Intent to Request Release of Funds notice with a 15-day public comment period.

**Cumulative Impact Analysis** [24 CFR 58.32]: The installation of the pumping irrigation system 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]: The requested pump irrigation system could be installed at a different location of the property. This would mean that a new main irrigation line would need to be installed which would require further ground disturbing activities. Given that lithic artifacts were identified as present at the project site, additional mitigation measures may be required for impacts to historic artifacts that may be present within the area. The additional clearing and grading would require additional equipment and would raise the energy needs and costs associated with the project.

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

The 'No-Action' alternative would mean that the applicant would not receive federal funding to provide for the purchase and installation of the pumping irrigation system and the purchase of a tractor which would inhibit the economic growth opportunity that the applicant would not otherwise have under the PRDOH Re-Grow Puerto Rico program. As a result, these owners may not be able to experience the growth needed to recover and expand their agriculture activities. A provision of the grant allows for economic development for businesses. The No-Action alternative would not allow for economic development for this applicant.

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

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

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

Law, Authority, or Factor	Mitigation Measure
Wetlands Protection	During construction, standard best management practices (BMPs) will be used to minimize erosion and runoff. The applicant must acquire all necessary permits according to DNER to pump water from the nearby man-made pond.
Endangered Species Act	If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask for them to relocate the Boa.



**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: 2/2/2024

Name/Title/Organization: Ana Martin / Supervisor / Horne LLP

Certifying Officer Signature:  \_\_\_\_\_ Date: February 7, 2024

Name/Title: Mónica M. Machuca Ríos / 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  
Intended Use of Grant Funds



**DEPARTAMENTO DE AGRICULTURA DE PUERTO RICO  
PROGRAMA RENACER AGRÍCOLA DE PUERTO RICO –  
AGRICULTURA URBANA Y RURAL  
FORMULARIO SOBRE USO PREVISTO DE LOS FONDOS**

Yo, Jesus Flecha Rodríguez representante autorizado/a para el negocio Jesus Flecha Rodriguez, con el Caso Número PR-RGRW-00497 para el Programa Renacer Agrícola de Puerto Rico – Agricultura Urbana y Rural (Programa Renacer Agrícola), por la presente reconozco que fondos de subvención por la suma de \$100,000.00 se usarán de conformidad con el uso de fondos descrito a continuación.

Además, reconozco que, como parte del proceso de revisión de recibos, el Formulario sobre Uso Previsto de los Fondos será comparado con los recibos recopilados para verificar el cumplimiento con la información provista en dicho formulario.

Uso Previsto de los Fondos	Descripción	Total \$	Iniciales
Sistema de bombeo (riego)	Farm Equipment (Regrow Only) o equipo equivalente	\$44,458.00	J.F.R.
Tractor	Farm Equipment (Regrow Only) o equipo equivalente	\$64,000.00	J.F.R.

**\$100,000.00**

Total de Uso Previsto de los  
Fondos

Además, reconozco y entiendo que:

- El incumplimiento con el uso previsto de los fondos descrito en este Formulario podría requerir el pago de los fondos al Departamento de Agricultura de Puerto Rico (DA).
- Los fondos del Programa Renacer Agrícola solo pueden ser utilizados para actividades elegibles y el uso permitido de los fondos, según se establece en las Guías del Programa Renacer Agrícola.
- El Formulario sobre Uso Previsto de los Fondos será revisado por el equipo del Programa Renacer Agrícola y, **si es aprobado**, será el formulario oficial que se utilizará durante el proceso de revisión de los recibos.

Jesus Flecha Rodríguez

[Representante Autorizado]

Nombre

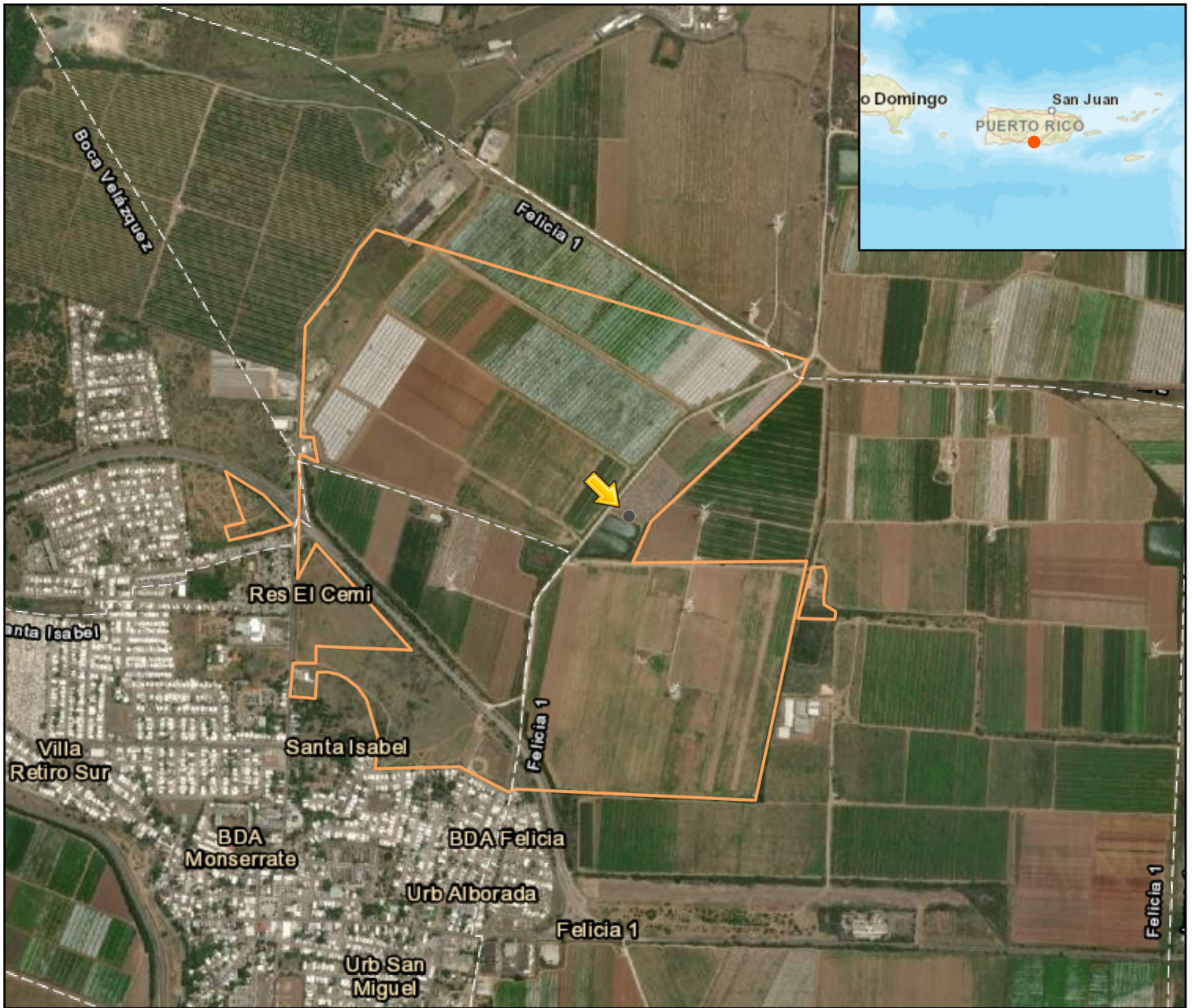
  
[Representante Autorizado]  
Signature

26-Mayo-22  
Fecha

# Appendix B

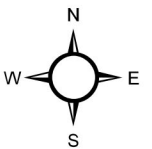
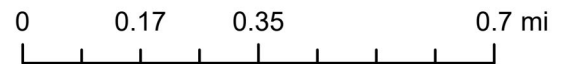
## Maps

# PR-RGRW-00497 Site Map

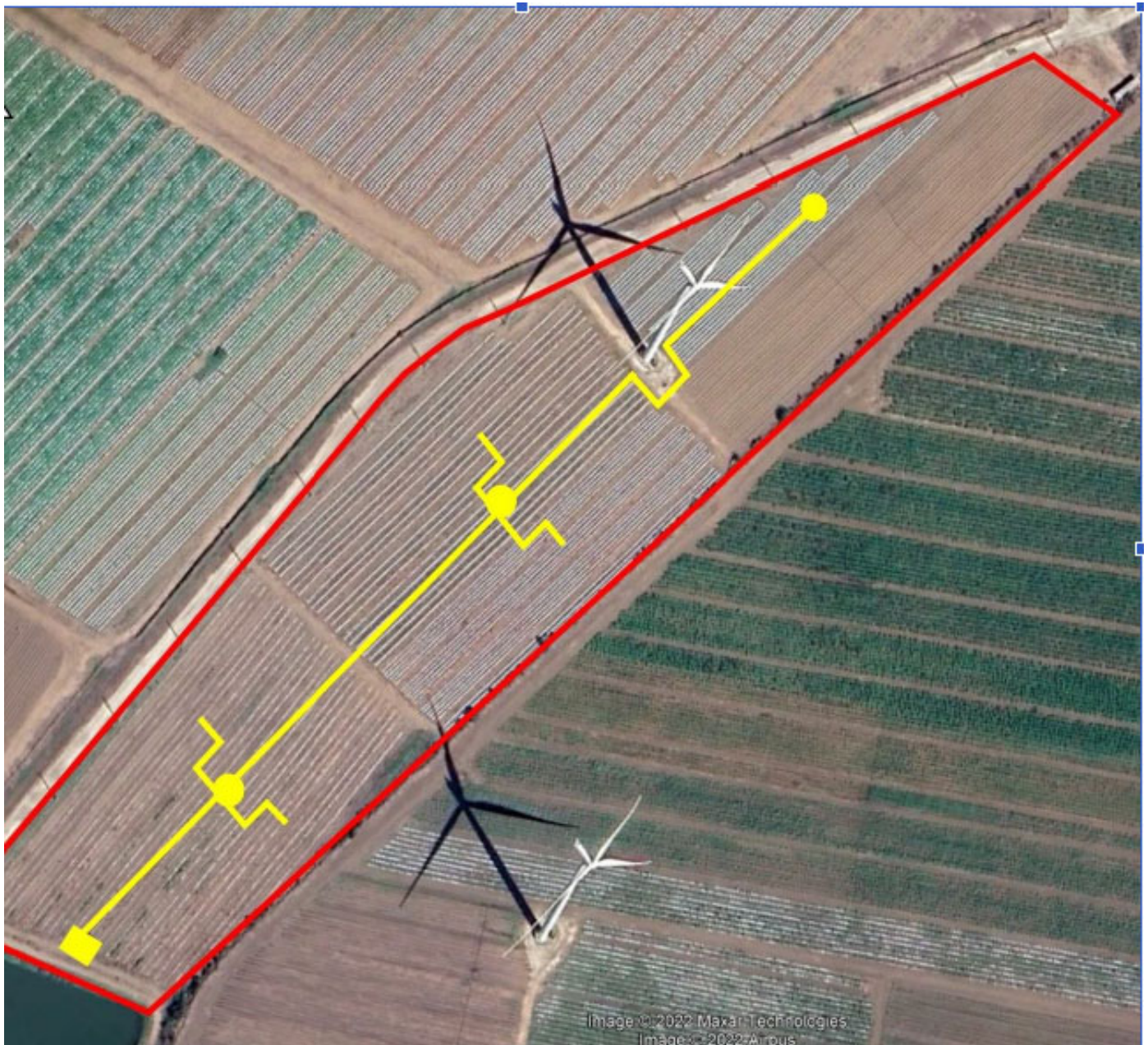


Legend


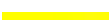

 Project Site Location

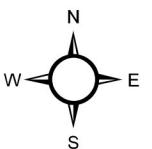
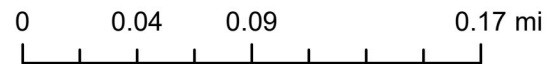


# PR-RGRW-00497 Site Vicinity



Legend

-  Location of proposed concrete pad for pump
-  Existing Irrigation Line
-  Proposed location of valves and above ground irrigation



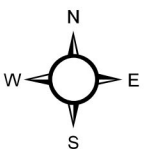
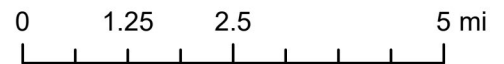


# PR-RGRW-00497 Airports



### Legend

- Military Airports 15,000ft Buffer
- Civilian Airports 2,500ft Buffer
- Military Accident Potential Zones APZ 2
- Military Accident Potential Zones APZ 1
- Runway Protection Zones
- Airport Runways
- Major
- Minor Airport



Runway Protection Zones

Major Civil and Military Airports

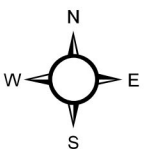
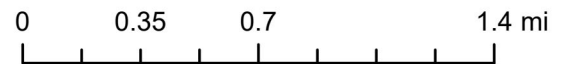


# PR-RGRW-00497 CBRS



### Legend

- Otherwise Protected Area
- System Unit



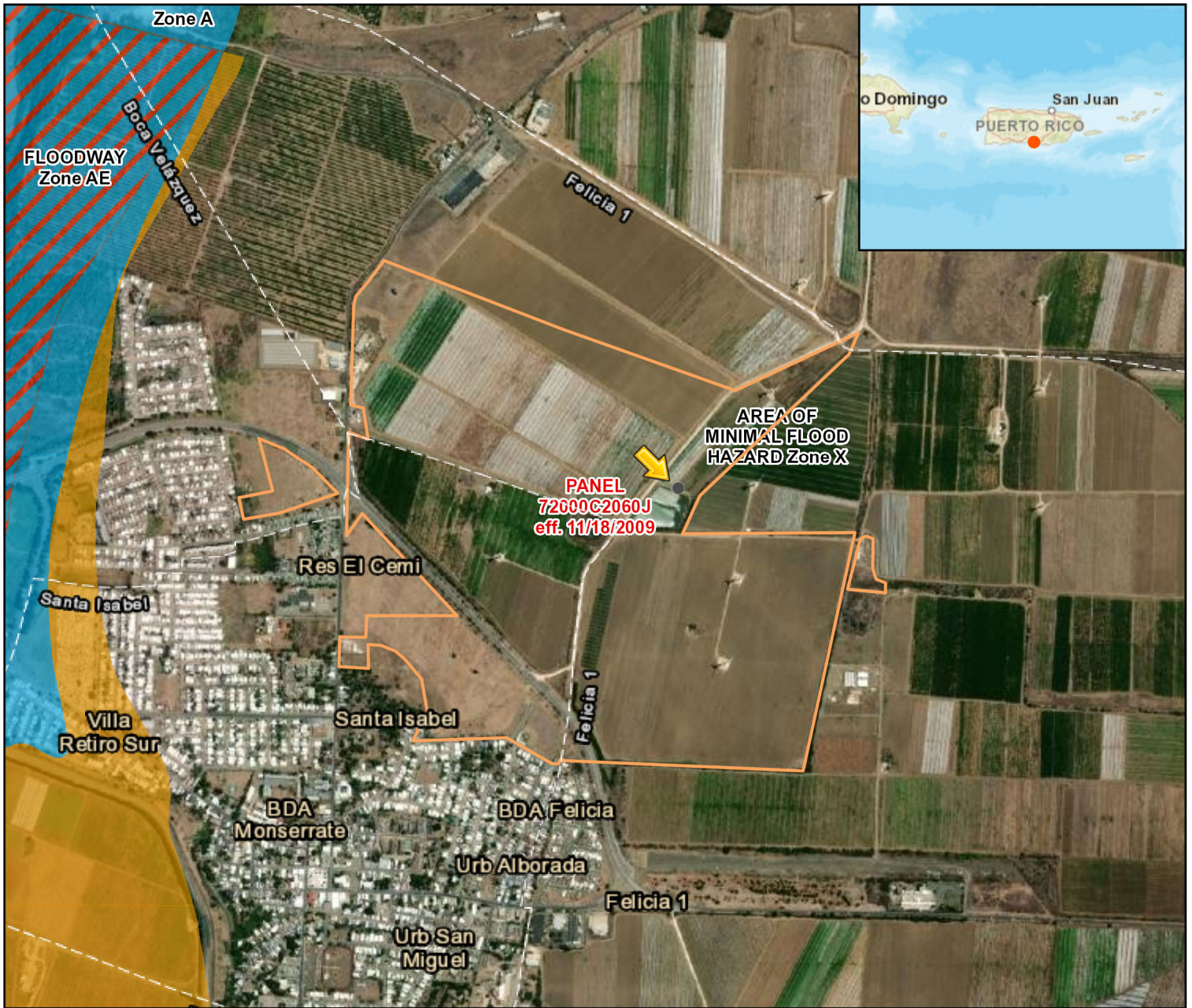
U.S. Fish and Wildlife Service

Coastal Barrier Resources Act Program



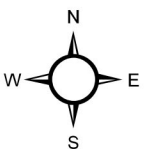
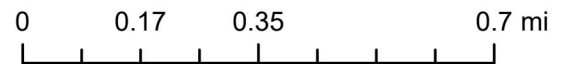


# PR-RGRW-00497 Flood Map



### Legend

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- FEMA Floodzone Panels - Effective



FEMA Map Service

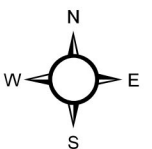
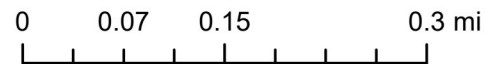
Flood Insurance Rate Maps

# PR-RGRW-00497 Flood Map- Site Vicinity



Legend

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- FEMA Floodzone Panels - Effective



FEMA Map Service

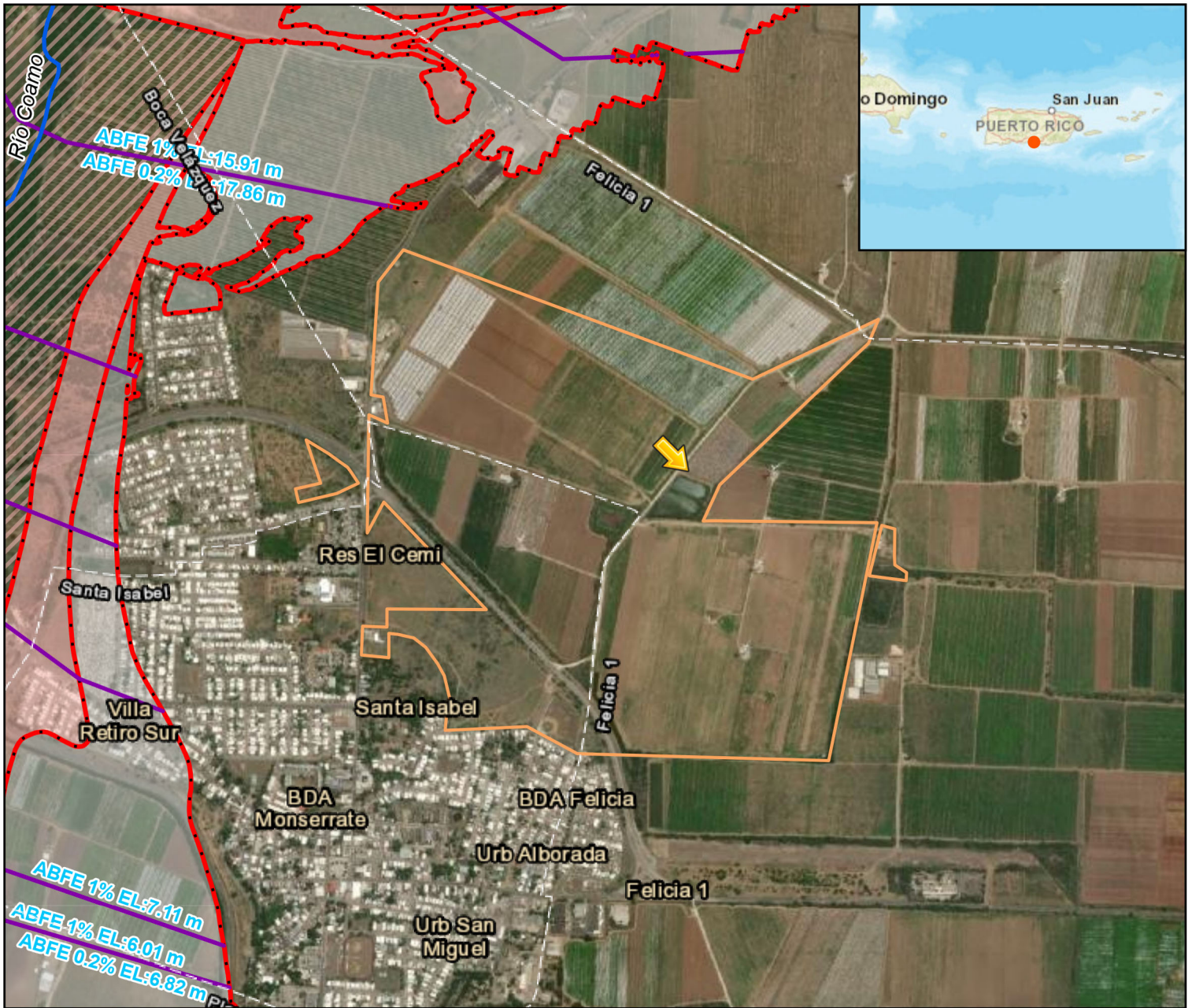
Flood Insurance Rate Maps



# Figure 6

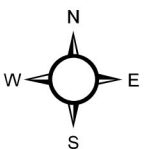
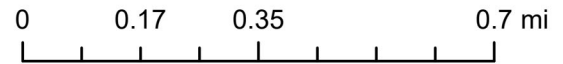
Jesus Flecha Rodriguez  
Carretera 161, kilómetro 3 Interior, Parque Molinos  
Santa Isabel, PR 00757  
17.975461, -66.394587

## PR-RGRW-00497 ABFE



### Legend

- A
- 0.2% Annual Chance Flood Zone
- A-Floodway
- Zone/BFE Boundary
- Advisory Base Flood Elevation
- Streamline



FEMA Map Service

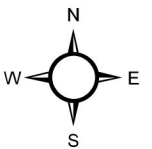
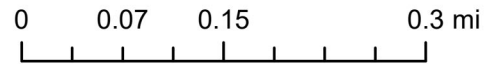
ABFE 1PCT

# PR-RGRW-00497 ABFE- Site Vicinity



Legend

- 0.2% Annual Chance Flood Zone
- Zone/BFE Boundary



FEMA Map Service

ABFE 1PCT

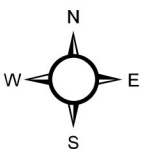
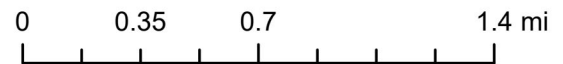


# PR-RGRW-00497 CZM



### Legend

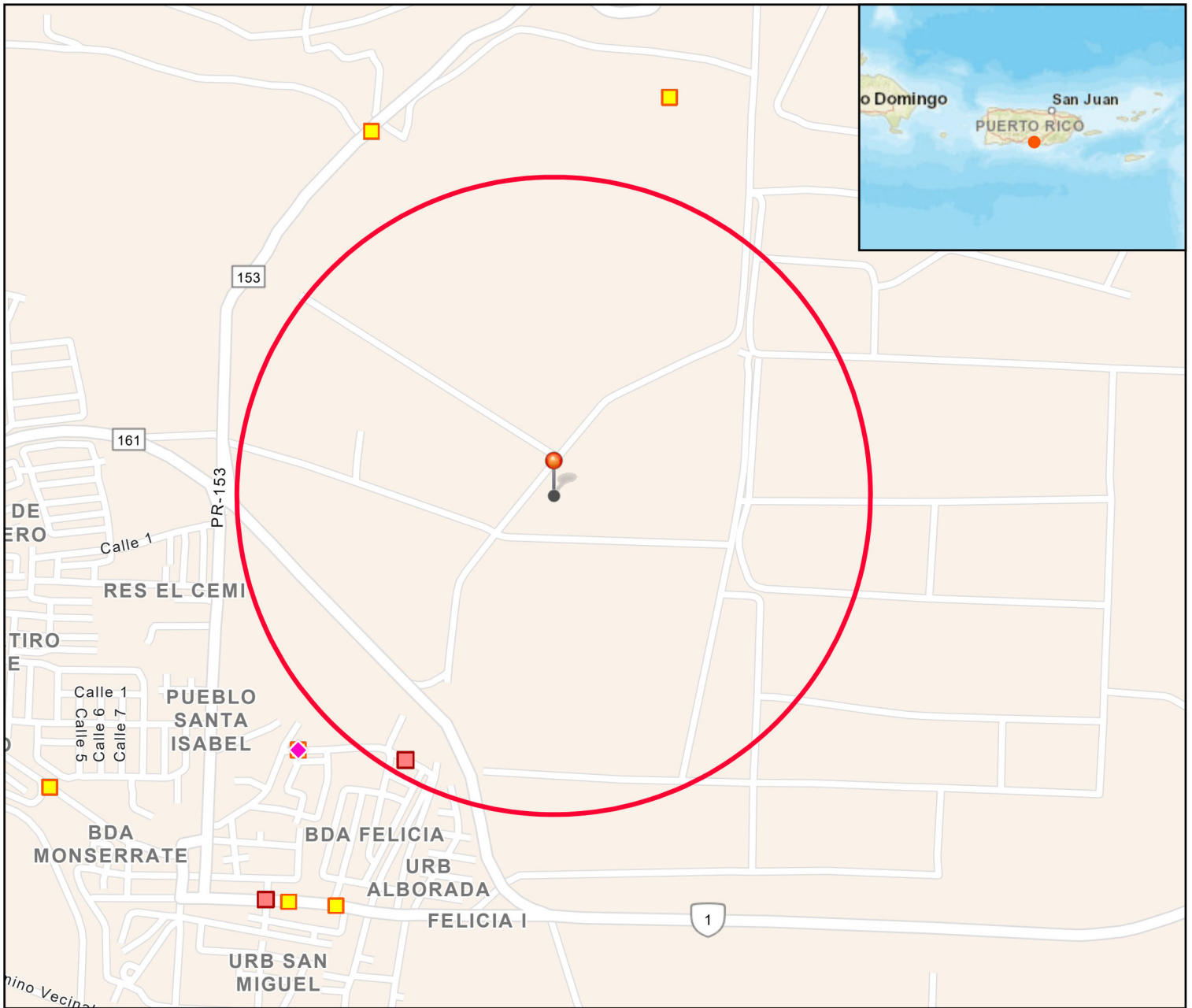
 Coastal Zone Management Act Boundary



NOAA

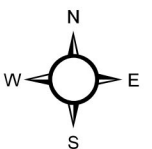
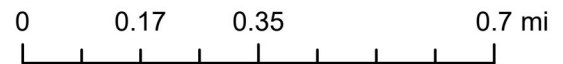
Coastal Zone Management Act

# PR-RGRW-00497 Toxics



### Legend

- Toxic Substances Control Act
- ◆ Brownfields
- Hazardous waste
- ◆ Air pollution
- Water dischargers
- Toxic releases
- ⊙ Superfund



FEMA Map Service

Flood Insurance Rate Maps

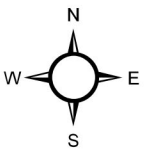
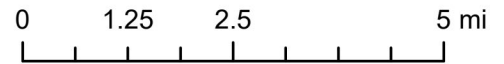


# PR-RGRW-00497 Endangered Species



### Legend

 USFWS Critical Habitat - Polygon Features - Final (agency service)



Endangered Species Habitat

U.S. Fish and Wildlife Service

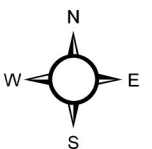


# PR-RGRW-00497 Farmlands



### Legend

-  Prime Farmland
-  Farmland of Local Importance
-  Farmland of Statewide Importance
-  Farmland of Unique Importance
-  Not Prime Farmland



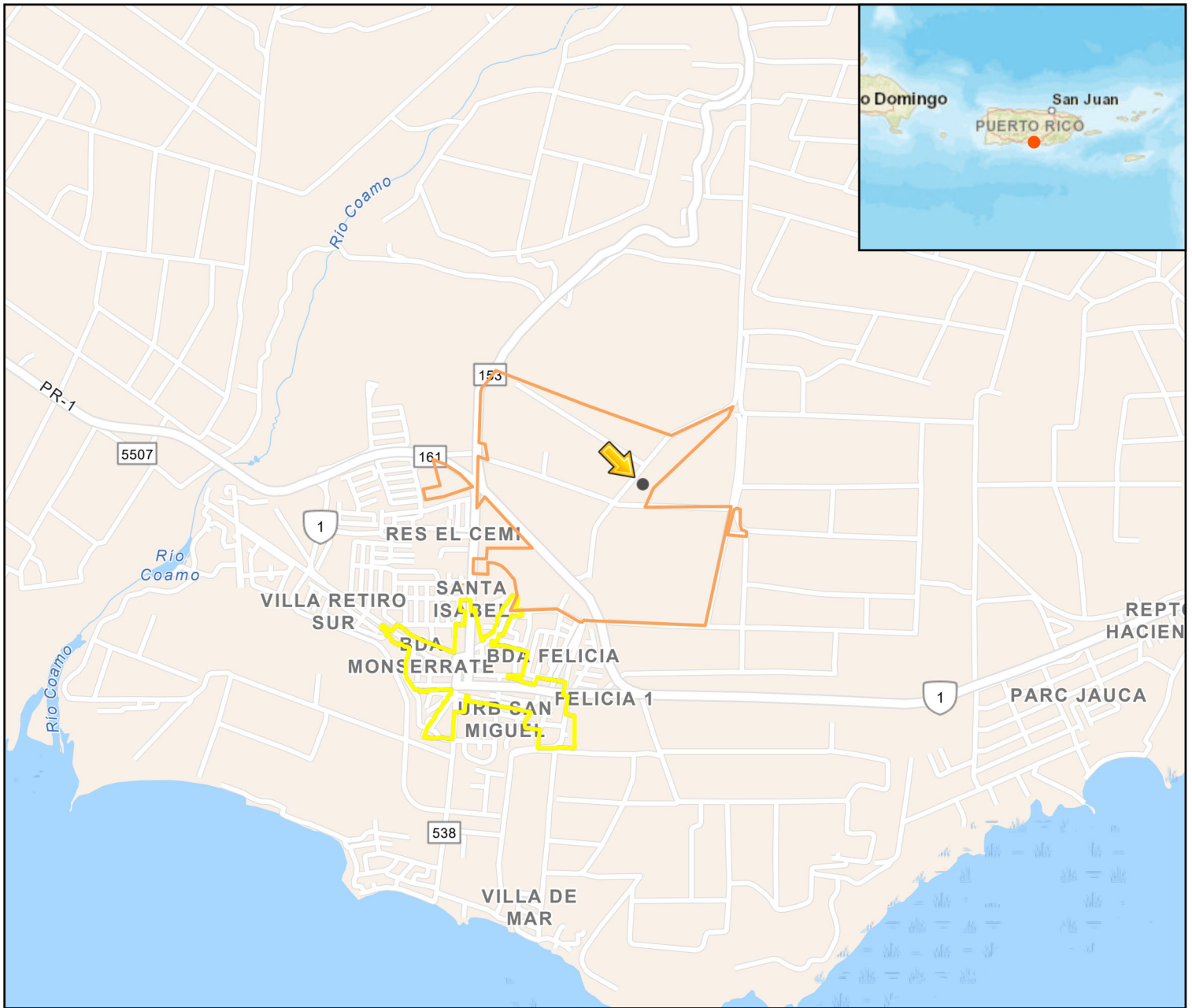
USGS USA Soils

Farmland dataset





# PR-RGRW-00497 Historic

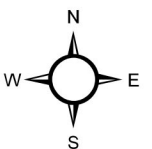
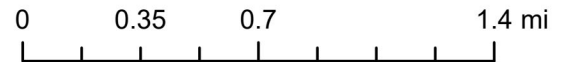


### Legend

- National Historic Landmark
- National Register of Historic Places
- National Historic Landmark
- National Register of Historic Places
- Traditional Urban Centers

National Register Of Historic Places Points

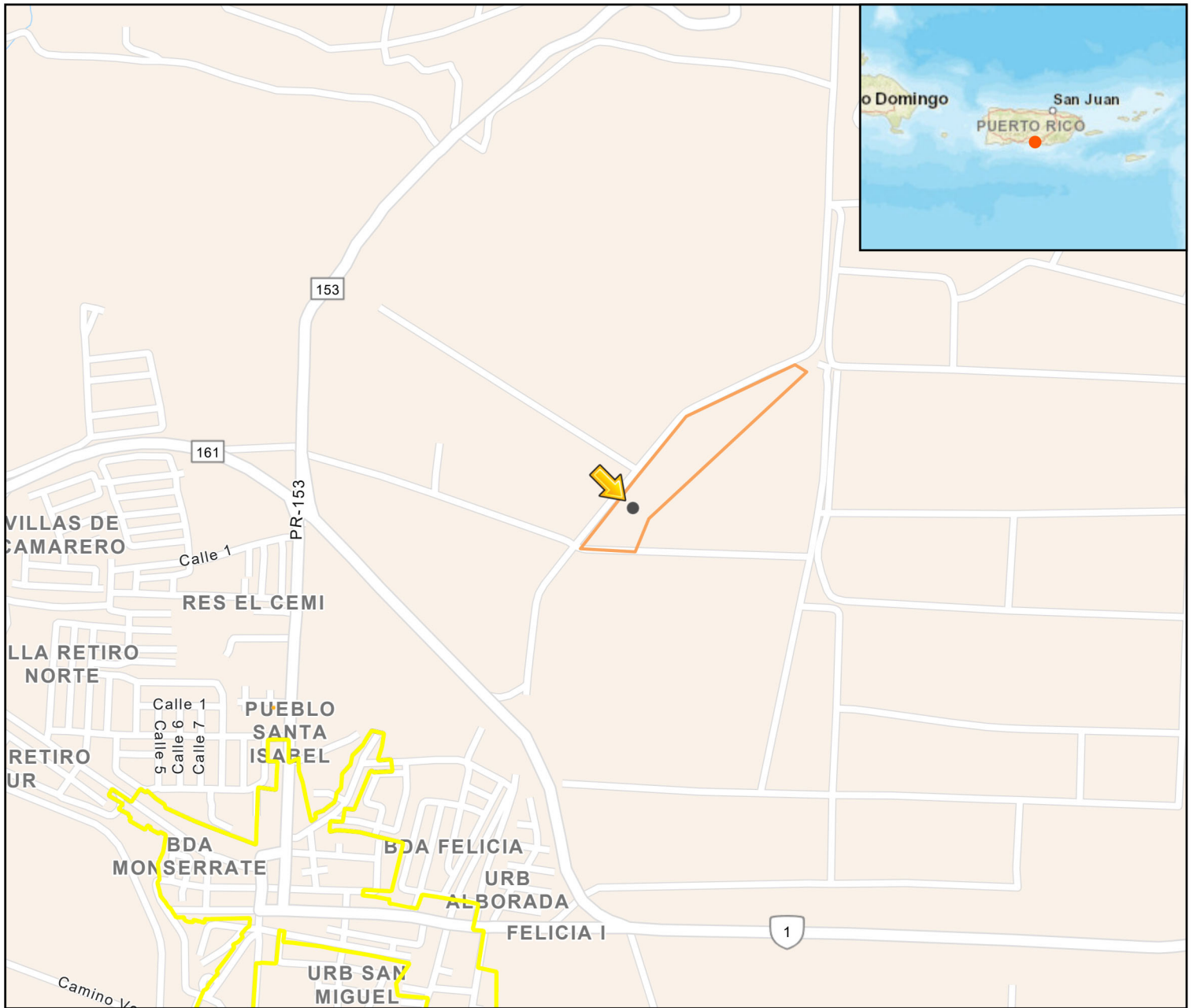
National Register of Historic Places Polygons



National Register of Historic Places

Local Historic Areas digitized by Horne

# PR-RGRW-00497 Historic-Site Vicinity



**Legend**

- National Historic Landmark
- National Register of Historic Places
- Removed from National Register of Historic Places

National Register Of Historic Places Points

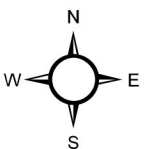
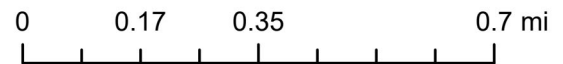
- National Historic Landmark
- National Register of Historic Places
- Removed from National Register of Historic Places

National Register of Historic Places Polygons

- Traditional Urban Centers

National Register of Historic Places



Local Historic Areas digitized by Horne

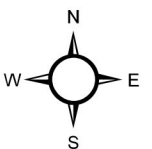
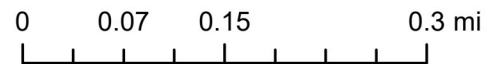


## PR-RGRW-00497 NWI



### Legend

-  Freshwater Pond
-  Riverine

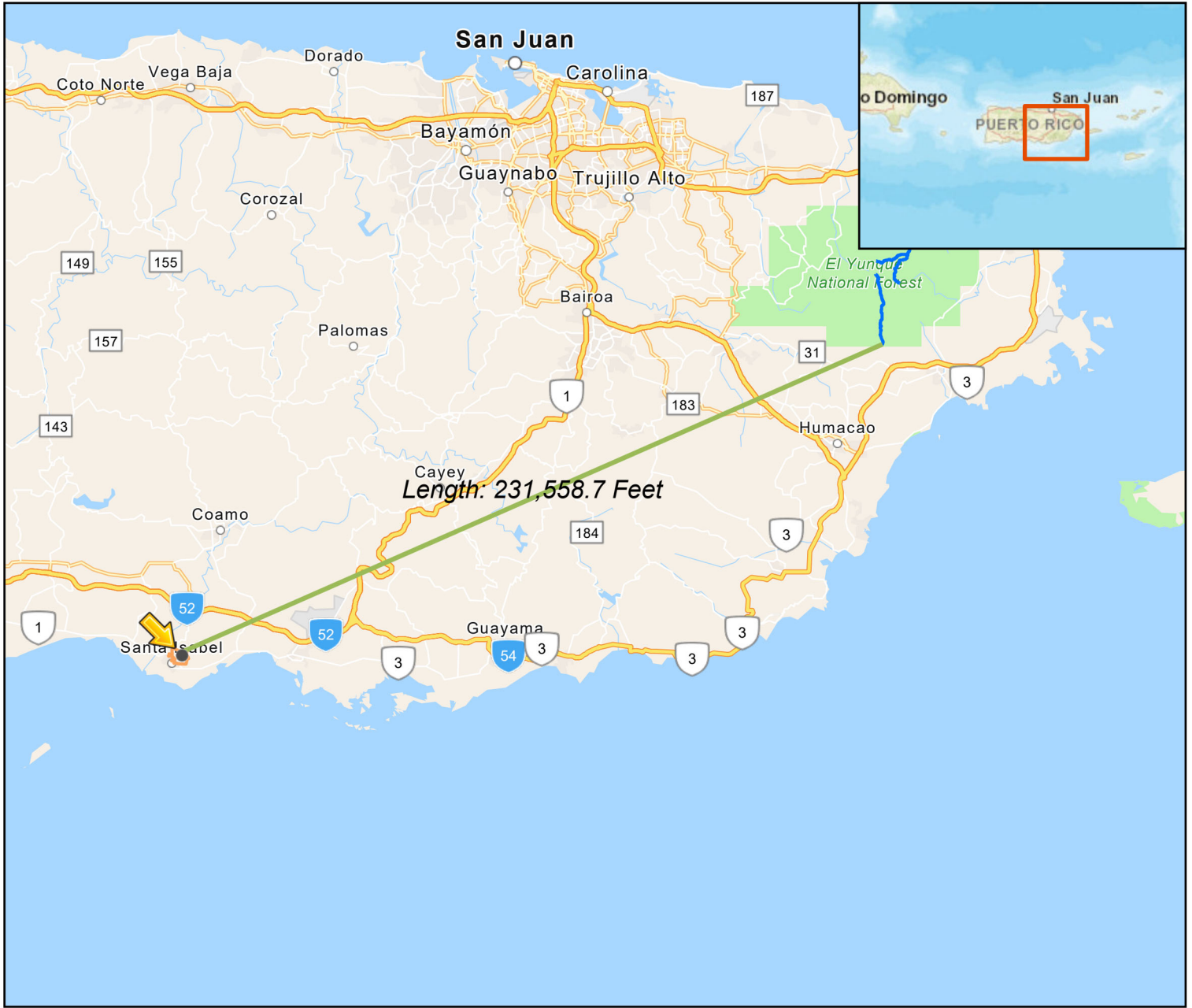


National Wetlands Inventory

U.S. Fish and Wildlife Service

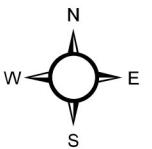
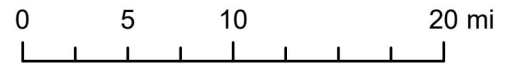


# PR-RGRW-00497 Wild and Scenic Rivers



### Legend

— Wild and Scenic Rivers



National Wild and Scenic River System

National Park Service

# PR-RGRW-00497 Landslide

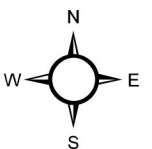
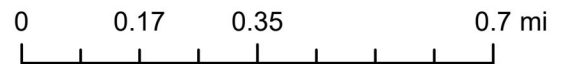


Legend

rainLSsuc

Low

Moderate



Hurricane Maria Landslides Density

Appendix C  
Puerto Rico Non-attainment

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 August 31, 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/m<sup>3</sup>) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. ([81 FR 58009](#))

Change the State:

[Important Notes](#)

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

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

[Important Notes](#)

Appendix D  
Toxics Table and Supporting Docs



CaseID	Registry_ID	Name	Location	Municipio	Latitude	Longitude	Type	Report	Distance	Impact
PR-RGRW-00497	110042087256	HAMILTON SUNDSTRAND DE PUERTO RICO INC.	RD 538 KM 0.7 FELICIA INDUSTRIAL PARK	SANTA ISABEL	17.960035	-66.405047	TRIS	<a href="https://echo.epa.gov/detailed-facility-report?fid=110042087256&amp;ej_type=sup">https://echo.epa.gov/detailed-facility-report?fid=110042087256&amp;ej_type=sup</a>	2,842.48	NO

# Detailed Facility Report



## Detailed Facility Report

### Facility Summary

HAMILTON SUNDSTRAND DE PUERTO RICO, INC.

FELICIA INDUSTRIAL PARK, SANTA ISABEL, PR 00757

FRS (Facility Registry Service) ID: 110042087256

EPA Region: 02

Latitude: 17.960035

Longitude: -66.405047

Locational Data Source: RCRAINFO

Industries: Transportation Equipment Manufacturing

Indian Country: N

### Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
<b>Compliance Status</b>	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	1
Penalties from Formal Enforcement Actions (5 years)	\$200,000
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--
Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
<b>Compliance Status</b>	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	06/21/2016
<b>Compliance Status</b>	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

**Regulatory Information**

**Clean Air Act (CAA):** Operating Minor (PR0000007213300009)

**Clean Water Act (CWA):** Minor, Permit Effective (PRNOEJ00B)

**Resource Conservation and Recovery Act (RCRA):** Active LQG, (PRD987380078)

**Safe Drinking Water Act (SDWA):** No Information

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

**Other Regulatory Reports**

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Toxic Releases (TRI):** 00757SNDSTRD537

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

**Facility/System Characteristics**

**Facility/System Characteristics**

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		<a href="#">110042087256</a>					N	17.960035	-66.405047
ICIS-Air	CAA	PR0000007213300009	Minor Emissions	Operating	CAAMACT		N	17.960028	-66.405056
ICIS-NPDES	CWA	PRNOEJ00B	Minor: General Permit Covered Facility	Effective	Industrial Stormwater	01/09/2024	N	17.9585	-66.4031
TRI	EP313	00757SNDSTRD537	Toxics Release Inventory	Last Reported for 2022			N	17.960035	-66.405047
RCRAInfo	RCRA	PRD987380078	LQG	Active (H )			N	17.960035	-66.405047

**Facility Address**

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		<a href="#">110042087256</a>	HAMILTON SUNDSTRAND DE PUERTO RICO, INC.	FELICIA INDUSTRIAL PARK, SANTA ISABEL, PR 00757	Santa Isabel Municipio
ICIS-Air	CAA	PR0000007213300009	HAMILTON SUNDSTRAND DE PUERTO RICO	PR-538, KM. 0.7, SANTA ISABEL, PR 00757	Santa Isabel Municipio
ICIS-NPDES	CWA	PRNOEJ00B	HAMILTON SUNDSTRAND DE PUERTO RICO, INC.	FELICIA INDUSTRIAL PARK, SANTA ISABEL, PR 00757	Santa Isabel Municipio
TRI	EP313	00757SNDSTRD537	HAMILTON SUNDSTRAND DE PUERTO RICO INC.	RD 538 KM 0.7 FELICIA INDUSTRIAL PARK, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRD987380078	HAMILTON SUNDSTRAND DE PUERTO RICO, INC.	FELICIA INDUSTRIAL PARK STREET B LOT 9, SANTA ISABEL, PR 00757	Santa Isabel Municipio

**Facility SIC (Standard Industrial Classification) Codes**

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007213300009	9999	Nonclassifiable Establishments
ICIS-NPDES	PRNOEJ00B	3728	Aircraft Parts And Equipment

**Facility NAICS (North American Industry Classification System) Codes**

System	Identifier	NAICS Code	NAICS Description
TRI	00757SNDSTRD537	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
ICIS-Air	PR0000007213300009	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
RCRAInfo	PRD987380078	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing

**Facility Industrial Effluent Guidelines**

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

**Facility Tribe Information**

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

**Enforcement and Compliance**

**Compliance Monitoring History** Last 5 Years ▼

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
RCRA	PRD987380078	RCRAInfo		Non-Financial Record Review	EPA	04/28/2021	No Violations Or Compliance Issues Were Found

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
RCRA	PRD987380078	RCRAInfo/ICIS	Offsite Record Review	Non-Financial Record Review	EPA	04/28/2021	No Violations Or Compliance Issues Were Found

Entries in italics are not counted as EPA official inspections.

**Compliance Summary Data**

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR000007213300009	No	09/02/2023	0	09/01/2023
CWA	PRNOEJ00B	No	03/31/2023	0	09/01/2023
RCRA	PRD987380078	No	09/02/2023	0	09/01/2023

**Three-Year Compliance History by Quarter**

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
CAA (Source ID: PR000007213300009)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	HPV History												
	Violation Type	Agency	Programs	Pollutants									

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
CWA (Source ID: PRNOEJ00B)		04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-09/01/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	Undetermined
	Quarterly Noncompliance Report History													

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRD987380078)		10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

**Informal Enforcement Actions** Last 5 Years

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

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

**Formal Enforcement Actions** Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
CAA	ICIS-Air	111	AIR/PR000007213300009	Administrative - Formal	02-2022-1207	EPA	Hamilton Sundstrand de Puerto Rico Inc.	07/12/2022	1	07/12/2022	\$200,000	\$0	--	\$0	\$0

**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?
210100040413	Coastal Watersheds East of Rio Coamo mouth	--	No	No	--	Yes

**Assessed Waters From Latest State Submission (ATTAINS)**

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
No data records returned										

**Air Quality Nonattainment Areas**

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

No data records returned

**Pollutants**

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

[TRI Pollution Prevention Report](#)

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers
00757SNDSTRD537	2022	--	--	0	--	--	0	42,590
00757SNDSTRD537	2021	--	--	0	--	--	0	38,911
00757SNDSTRD537	2020	--	--	0	--	--	0	37,424
00757SNDSTRD537	2019	0	--	0	--	--	0	52,943
00757SNDSTRD537	2018	0	--	0	--	--	0	32,002
00757SNDSTRD537	2017	--	--	0	--	--	0	35,096
00757SNDSTRD537	2016	0	--	0	--	--	0	21,275
00757SNDSTRD537	2015	0	--	0	--	--	0	21,223
00757SNDSTRD537	2014	0	--	0	--	--	0	7,553
00757SNDSTRD537	2013	0	--	0	--	--	0	11,985

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

Chemical Name	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cobalt	17,972	21,670	16,796	22,746	17,294	15,701	8,536	9,314	1,970	6,264
Copper	19,977	13,809	16,794	26,733	12,621	16,169	9,977	6,422	--	--
Copper compounds	--	--	--	--	--	--	--	--	599	377
Diisocyanates	--	--	--	0	0	--	0	0	0	0
Lead	4,640	3,432	3,834	3,464	2,087	3,226	2,762	5,487	4,984	5,344

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

[DMR and TRI Multi-Year Loading Report](#)

No data records returned

**Community**

**Environmental Justice**

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

**EJScreen Indexes Shown**

**Related Reports**

[EJScreen Community Report](#)

Compare to  US  State

Index Type  Environmental Justice  Supplemental

**Download Data**

Facility 1-mile Radius  Facility Census Block Group

Census Block Group ID: 721339536002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	4	6
Particulate Matter 2.5	0	--
Ozone	0	--
Diesel Particulate Matter	0	--
Air Toxics Cancer Risk	35	37
Air Toxics Respiratory Hazard Index	34	39
Toxic Releases to Air	99	99
Traffic Proximity	62	98
Lead Paint	0	99
Risk Management Plan (RMP) Facility Proximity	48	61
Hazardous Waste Proximity	96	99
Superfund Proximity	87	93
Underground Storage Tanks (UST)	0	--
Wastewater Discharge	98	99





**Demographic Profile of Surrounding Area (1 mile)**

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 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](#).

General Statistics (U.S. Census)	
Total Persons	6,913
Population Density	2,883/sq.mi.
Housing Units in Area	2,956

General Statistics (ACS (American Community Survey))	
Total Persons	5,186
Percent People of Color	100%
Households in Area	1,898
Households on Public Assistance	91
Persons With Low Income	4,062
Percent With Low Income	78%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.960035
Center Longitude	-66.405047
Land Area	76%
Water Area	24%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	833 (43.8%)
\$15,000 - \$25,000	399 (20.98%)
\$25,000 - \$50,000	448 (23.55%)
\$50,000 - \$75,000	148 (7.78%)
Greater than \$75,000	74 (3.89%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	449 (7%)
Minors 17 years and younger	1,813 (26%)
Adults 18 years and older	5,101 (74%)
Seniors 65 years and older	1,097 (16%)

Race Breakdown (U.S. Census) - Persons (%)	
White	4,846 (70%)
African-American	1,266 (18%)
Hispanic-Origin	6,883 (100%)
Asian/Pacific Islander	10 (0%)
American Indian	29 (0%)
Other/Multiracial	763 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	361 (9.56%)
9th through 12th Grade	166 (4.4%)
High School Diploma	1,621 (42.94%)
Some College/2-year	492 (13.03%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	895 (23.71%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Appendix E  
USFWS Consultation Package

Date: February 1, 2024

Applicant ID: PR-RGRW-00497

Street Address: Carretera 161, kilometro 3 Interior, Parque Molinos

Municipality: Santa Isabel

RE: No Effect Determination for PR-RGRW-00497

## EXECUTIVE SUMMARY

Section 7 of the Endangered Species Act (ESA) mandates that federal agencies ensure the actions that they authorize, fund, or carry out shall not jeopardize the continued existence of federally listed plants and animals or result in the adverse modification or destruction of designated critical habitat. Where their actions may affect resources protected by the ESA, agencies must consult with the Fish and Wildlife Service and/or the National Marine Fisheries Service ("FWS" and "NMFS" or "the Services").

This memo serves to document that the proposed project, PR-RGRW-00497, located at Carretera 161, kilometro 3 Interior, Parque Molinos, Santa Isabel, PR 00757 (Parcel ID# 415-000-008-02-901) was reviewed in accordance with Section 7 of the Endangered Species Act of 1973 (16 USC 1536) as well as the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 *et seq.*) by a qualified Biologist, resulting in a 'No Effect' determination.

The goal of the Re-Grow is to build agricultural capacity and focus on promoting and increasing the security of food supply island-wide and enhancing and expanding agricultural production related to economic revitalization and sustainable development activities.

## Project Description

The subject property is a farm located in Santa Isabel, PR. The project scope includes the purchase of a tractor and pump irrigation system, and construction of a concrete waterproof anchored base for the pump irrigation system. The base will consist of a 10' X 10' concrete pad with a 12-inch high wall along the pad's perimeter to retain oil spills and other contaminants and will be built at approximately Latitude: 17.975461, Longitude: -66.394587 (see Site map at Appendix A Figure 1). Additional ground disturbance will be necessary for the installation of three valves along an existing irrigation line. The irrigation line is already in place; however, in order to accomplish the installation of the valves, a connecting irrigation system (6-inch diameter) and below-ground pipeline irrigation system will be installed. The Field Observation Form and RFAI Responses depicting and clarifying the extent and location of project activities, are included in Appendix B.

As indicated by the Official Species List obtained from the Information for Planning and Consultation (IPaC) system (Appendix C) and USFWS Critical Habitat data (Appendix A, Figure 2), the proposed project lies within the ranges of the following federally listed



species and critical habitats:

Species	Status
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Endangered

Critical Habitat
None.

### Existing Conditions:

The project area where activities will be taking place consists of approximately 18-acres of land located at Carretera 161, kilometro 3 Interior, Parque Molinos, Santa Isabel, PR 00757. According to the U.S. Geological Survey National Land Cover Database (NLCD) (Appendix A, Figure 4) the majority of the project area consists of mostly herbaceous land with some cultivated crops to the west and south of the parcel. However, according to historic imagery on Google Earth, the parcel has had active cultivated crops since 2016. A topographic map is included (see Appendix A, Figure 3). The project is located in Zone X on the FEMA Flood map and ABFE map, panel number 72000C2060J dated 11/18/2009 (see Flood Map Appendix A, Figure 5 and ABFE map Appendix A, Figure 6). A Preliminary FIRM has not been developed for this area. There is a mapped NWI riverine, Canal de Florida approximately 180 feet to the east of the proposed project location. There is also a mapped freshwater pond located approximately 220 feet south of the proposed project location. There is a manmade pond located approximately 55 feet south of the proposed project. The project activities will not occur within a natural or manmade wetlands and no direct or indirect impacts are anticipated as a result of the project activities (see wetlands map Appendix A, Figure 7).

### Effect

### Determination:

Based on a review of site photos and other information gathered during a site visit on July 24, 2023, none of the species listed above were observed in the vicinity of the proposed project activities and no critical habitat was identified within the proposed project area. Having carefully analyzed the project site and the information available, including the IPaC species list and available Dkey(s), critical habitat data, nature of the project, previous site disturbance, and scope of project activities, the following effect determinations have been made:

Species	Effect Determination	Conservation Measures to be Implemented (if needed)
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	No Effect	None required

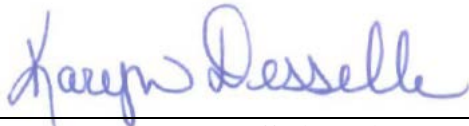
## SPECIES ANALYSIS

### Puerto Rican Boa (*Chilabothrus inornatus*)

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 (see Appendix D for citations). The IPaC Determination Key (Dkey) for the Puerto Rican Boa, dated February 8, 2023, was used to evaluate the potential impacts to federally listed species from this project. Based on the Dkey responses, it was determined that the proposed project will have 'No Effect' on the Puerto Rican Boa (Appendix C).

If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask for them to relocate the Boa.



---

Karyn Desselle, Staff Biologist

2/1/2024

---

Date

## **Appendix A**

### **Maps**

**Figure 1**

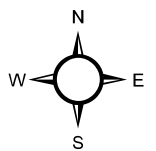
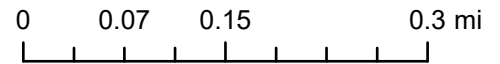
**Site Location Map**

# PR-RGRW-00497 Site Map



## Legend

-  Project Location
-  Parcel



## **Figure 2**




### **Endangered Species Map**

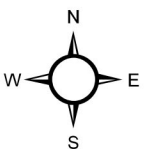
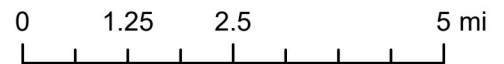


# PR-RGRW-00497 Endangered Species



### Legend

-  USFWS Critical Habitat - Polygon Features - Final (agency service)
-  Project Location
-  Parcel



Endangered Species Habitat

U.S. Fish and Wildlife Service

**Figure 3**

**Topographic Map**



**USGS - Topographic Base**  
**Puerto Rico Department of Housing**  
**Re-Grow Program**

Latitude: 17.975461,  
Longitude: -66.394587

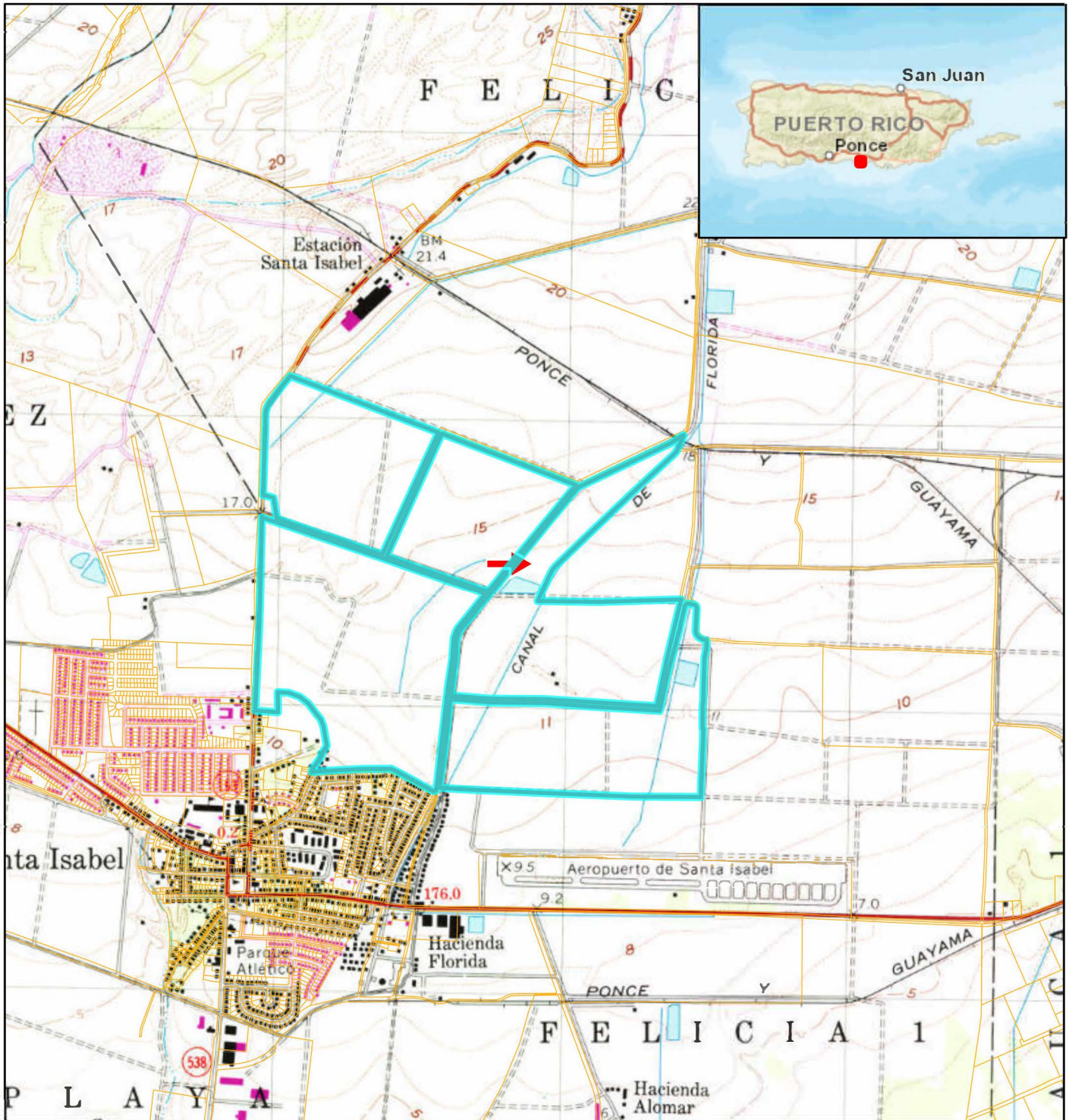


DEPARTAMENTO DE LA  
**VIVIENDA**



Application ID#: PR-RGRW-00497

Address: Carr 161, kilometro 3 Interior, Parque Molinos, Santa Isabel, PR 00757



 Applicant Structure

 Applicant Parcel

 Parcels

N  


1:20,000  
1 inch equals 1,667 feet  
0 500 1,000 Feet  


Sources: Esri Imagery Basemap service.

**Figure 4**

**Land Cover Map**

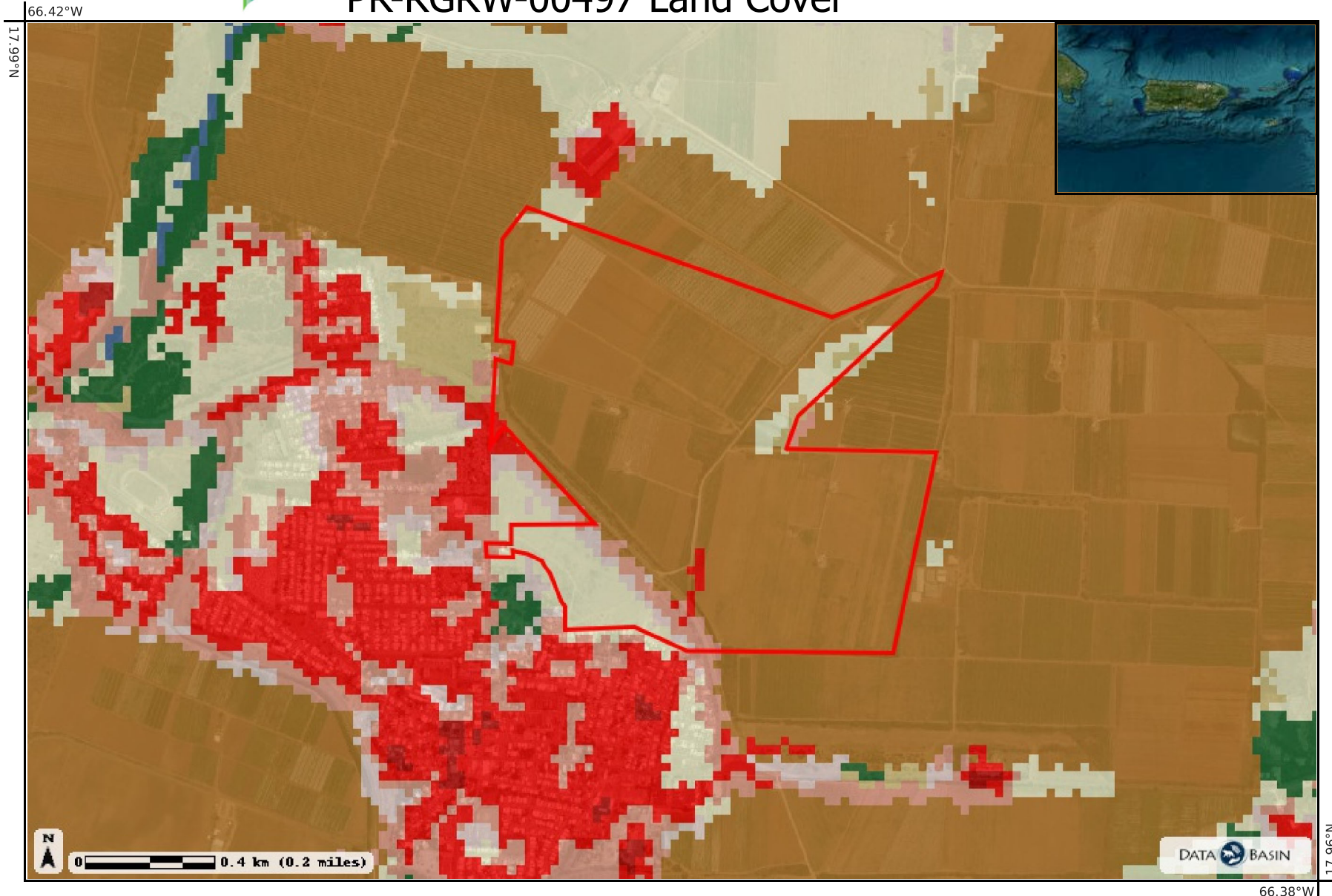
# PR-RGRW-00497 Land Cover

## Legend

### National Land Cover Database, land cover - Puerto Rico

- Barren Land
- Cultivated Crops
- Developed, High Intensity
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed, Open Space
- Emergent Herbaceous Wetlands
- Evergreen Forest
- Hay/Pasture
- Herbaceous
- Open Water
- Shrub/Scrub
- Woody Wetlands

New Drawing 1



## Map Details

### Datasets



**National Land Cover Database, land cover - Puerto Rico**  
<https://databasin.org/datasets/e95aa06e05624f3087559eca884db034/>

**Credits:** USGS National Land Cover Database  
2001








**Layers:** layer 1





Jesus Flecha Rodriguez  
 Carretera 161, kilómetro 3 Interior, Parque Molinos  
 Santa Isabel, PR 00757  
 17.975461, -66.394587

# PR-RGRW-00497 Land Cover Zoomed in with Details

## Legend

### National Land Cover Database, land cover - Puerto Rico

-  Barren Land
-  Cultivated Crops
-  Developed, High Intensity
-  Developed, Low Intensity
-  Developed, Medium Intensity
-  Developed, Open Space
-  Emergent Herbaceous Wetlands
-  Evergreen Forest
-  Hay/Pasture
-  Herbaceous
-  Open Water
-  Shrub/Scrub
-  Woody Wetlands

-  Proposed Water Pump
-  Proposed irrigation line
-  Proposed Concrete Pad
-  Parcel



## Map Details

### Datasets



**National Land Cover Database, land cover - Puerto Rico**  
<https://databasin.org/datasets/e95aa06e05624f3087559eca884db034/>

**Credits:** USGS National Land Cover Database 2001

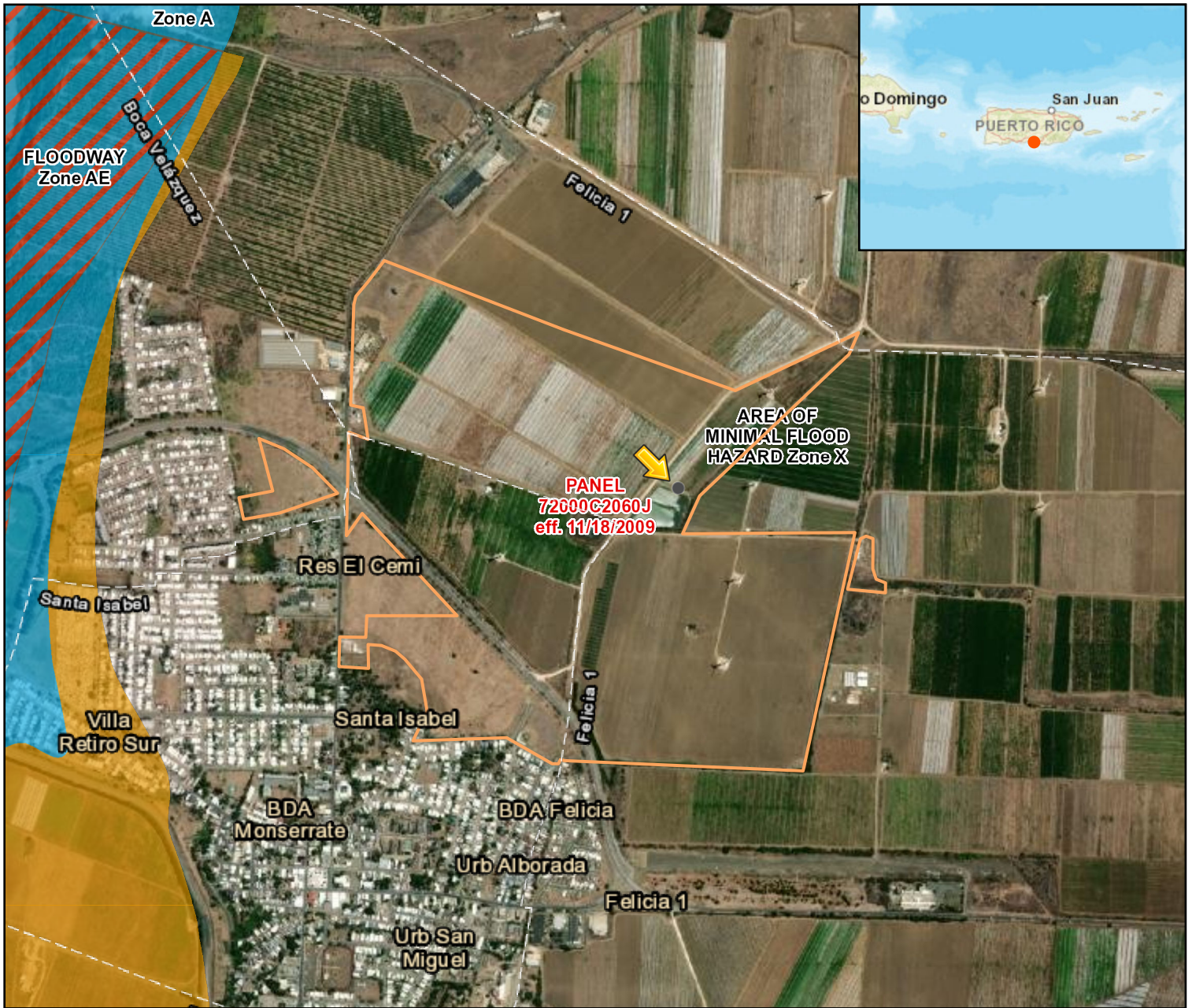
**Layers:** layer 1

Jesus Flecha Rodriguez  
 Carretera 161, kilómetro 3 Interior, Parque Molinos  
 Santa Isabel, PR 00757  
 17.975461, -66.394587

**Figure 5**  
**Flood Map**



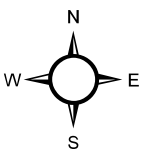
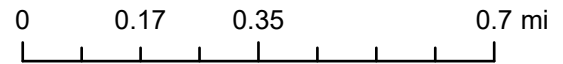
# PR-RGRW-00497 Flood Map



## Legend

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- FEMA Floodzone Panels - Effective

- Project Location
- Parcel



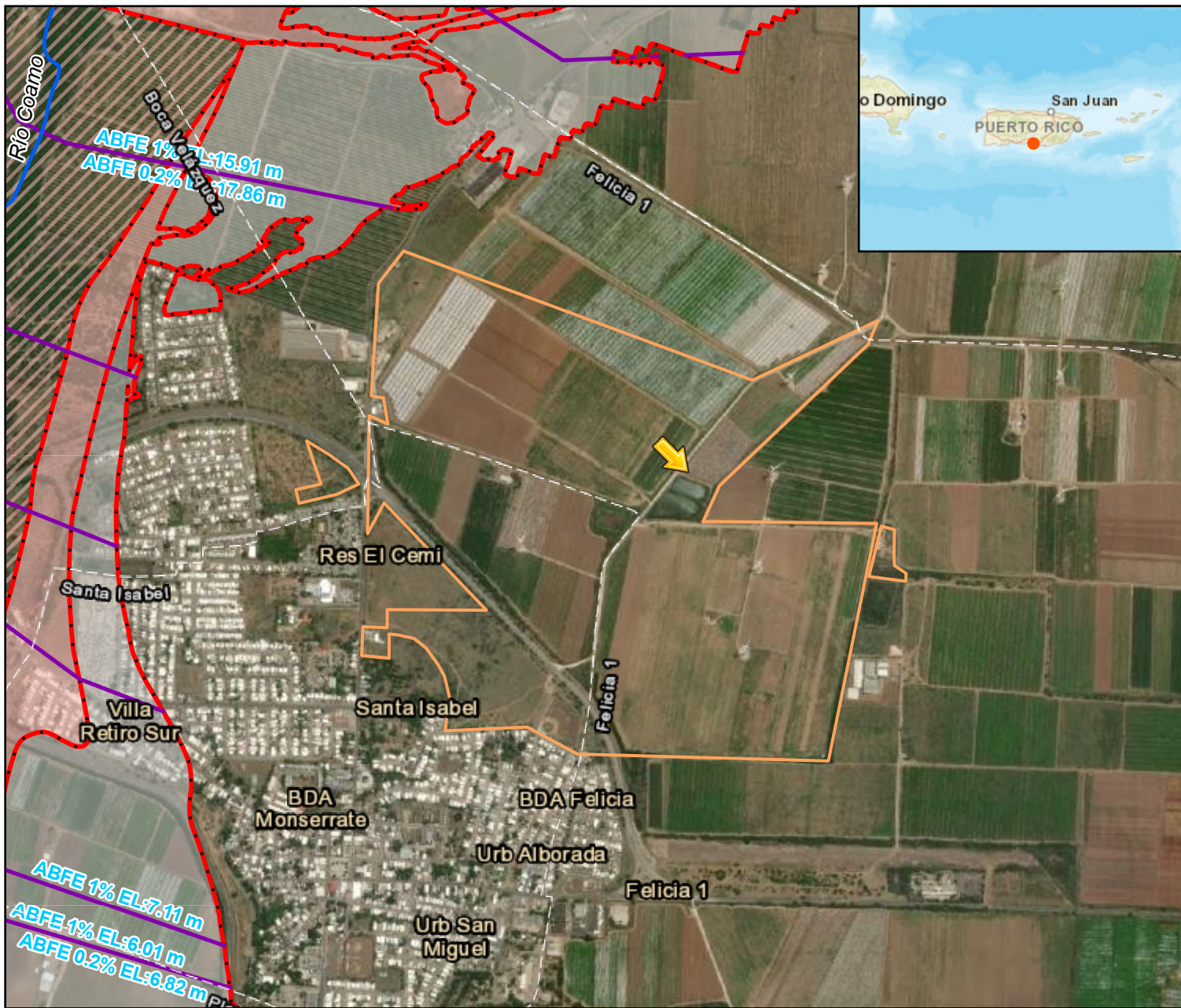
FEMA Map Service

Flood Insurance Rate Maps

**Figure 6**

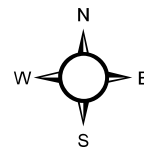
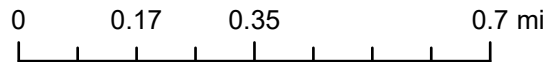
**ABFE**

# PR-RGRW-00497 ABFE



**Legend**

- A
- 0.2% Annual Chance Flood Zone
- A-Floodway
- Zone/BFE Boundary
- Advisory Base Flood Elevation
- Streamline
- Project Location
- Parcel



FEMA Map Service

ABFE 1PCT



**Figure 7**

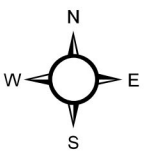
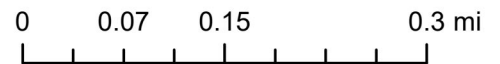
**Wetlands Map**

# PR-RGRW-00497 NWI



### Legend

- Freshwater Pond
- Riverine
- Project Location
- Parcel



National Wetlands Inventory

U.S. Fish and Wildlife Service

**Appendix B**  
**Field Observation and**  
**Answers**



## CDBG-DR PROGRAM

### Re-Grow PR Urban-Rural Agriculture (RGRW) Program

## ENVIRONMENTAL FIELD OBSERVATION REPORT

### APPLICATION GENERAL INFORMATION

Application No.: PR-RGRW-00497 Applicant Name: Jesus Flecha Rodriguez

Date of Inspection: July 24, 2023

### PROPERTY INFORMATION

Property Address:  
Carretera 161, kilómetro 3 Interior, Parque Molinos, Santa Isabel, PR 00757

Latitude: 17.975461 Longitude: -66.394587

Property Type: Farm Year Built: NA

Number of Buildings: 0 Are Utilities Connected? Choose an item.

#### Property Remarks:

The scope of the work is the construction of a 10x10 concrete base to accommodate a water pump and the installation of three valves on an existing underground water line. There is no structure associated with this project. Photos of the area for the water pump and valves provided.

Is there evidence of damage from a previous disaster? No

#### Damage Remarks:

Click or tap here to enter text.

### SIGNATURES OF INSPECTION REPORT

Environmental  
Inspector:

Blas Guernica

Printed Name

Signature

07-24-2023

Date

**ENVIRONMENTAL OBSERVATIONS**

Item	Observation	Remarks
<b>Are there any signs of poor housekeeping on the site?</b> <i>(mounds of rubble, garbage, or solid waste or improperly stored household quantities of petroleum products, pesticides, paints, thinners, cleaning fluids, automotive batteries, damaged, abandoned, and/or dangerous vehicles or other motorized equipment; pits, pools, lagoons, or ponds of hazardous substances or petroleum products located on the site)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Are there any 55-gallon drums or containers visible on the site?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>If drums located, are they leaking?</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Are there any signs of petroleum underground storage tanks (PUSTs) on the site?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Are there any UST locations visible from the site?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Are there any signs of above-ground storage tanks (ASTs) on the site, or immediate adjacent visible sites?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Are there any signs of surface staining?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Are there any ground water monitoring or injection wells on the site?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Is there evidence of a faulty septic system on the site?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Is there any permanent standing water, such as a pond or stream, located on the site?</b> <i>(Do not include run-off or ponding from recent weather events.)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	There is a pond.
<b>Is there any distressed vegetation on the site?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Does the subject lot have water frontage?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Is there any visible apparent indication of other environmental conditions?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Is there any visible apparent evidence of lead-based paint or hazardous materials present in the structure?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Are there other unusual conditions on site?</b> <i>(Explain in attached supporting material. Please take photographs, if possible.)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Is the structure 45 years or older?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Is the applicant aware of any significant historical events or persons associated with the structure; or does the home have a historic marker?</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**REQUIRED PHOTOS**



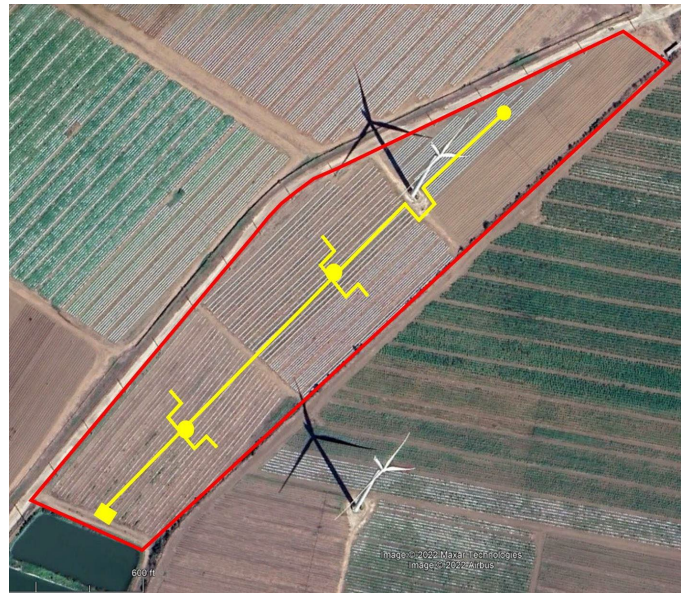
**Area for 10x10 Concrete Base**



**Area Along Which Valves Will Be Installed**



**Aerial Image of Locations for Pump and Irrigation Line**



**Aerial Image of Location for Pump and Each Valve**

1. Will the concrete pad be 10' x 10" or will it be 8' x 8'?

**Pad will be 10'x10'**

2. According to Canop he indicated back in 2022 that the main irrigation lines were already existing and in place. Please confirm which irrigation lines he is referring to or if there are any lines at all.

**the main irrigation line does, in fact, exist. It is represented by the long yellow line in figure 1. See figures 2 and 3 for evidence of the existing main pipeline.**

3. Will there be any new irrigation lines installed and/or any excavation required to connect to existing lines? If there are to be new lines installed, will they be installed in the location we have on our existing mapping? (please take the map attached to this email to our visit)

**Yes, new excavation will be required to connect to existing lines. They will be installed on the yellow circles shown in figure 1. These manifolds (hydrants, valves) consist of 3" PVC pipe. To reach the main irrigation line, the applicant will dig 3 feet deep. See figure 4 for an example of what the manifolds will look like. Once set up, rubber tubes will be attached to the manifolds to act as above ground irrigation tubing.**

4. If the applicant indicates that the lines are already in place and no excavation of new lines is necessary, be sure that you look for evidence of these lines. According to them, you should see some kind of above tubing sticking out of the ground. Please take pictures if so.

**See figures 2 and 3 for evidence of existing main irrigation line.**

5. If the applicant indicates they are already in place, ask him what year he put them in place.

**The applicant stated that the existing irrigation line has been in place since before he rented the farmland from the department of agriculture.**

6. Ask him if the pond he is planning on pumping from is a privately owned pond or if it is public.

The pond is public/private. It is owned by the government but can only be used by farmers in the area who have a government contract to work the land.

Figure 1. Proposed Project

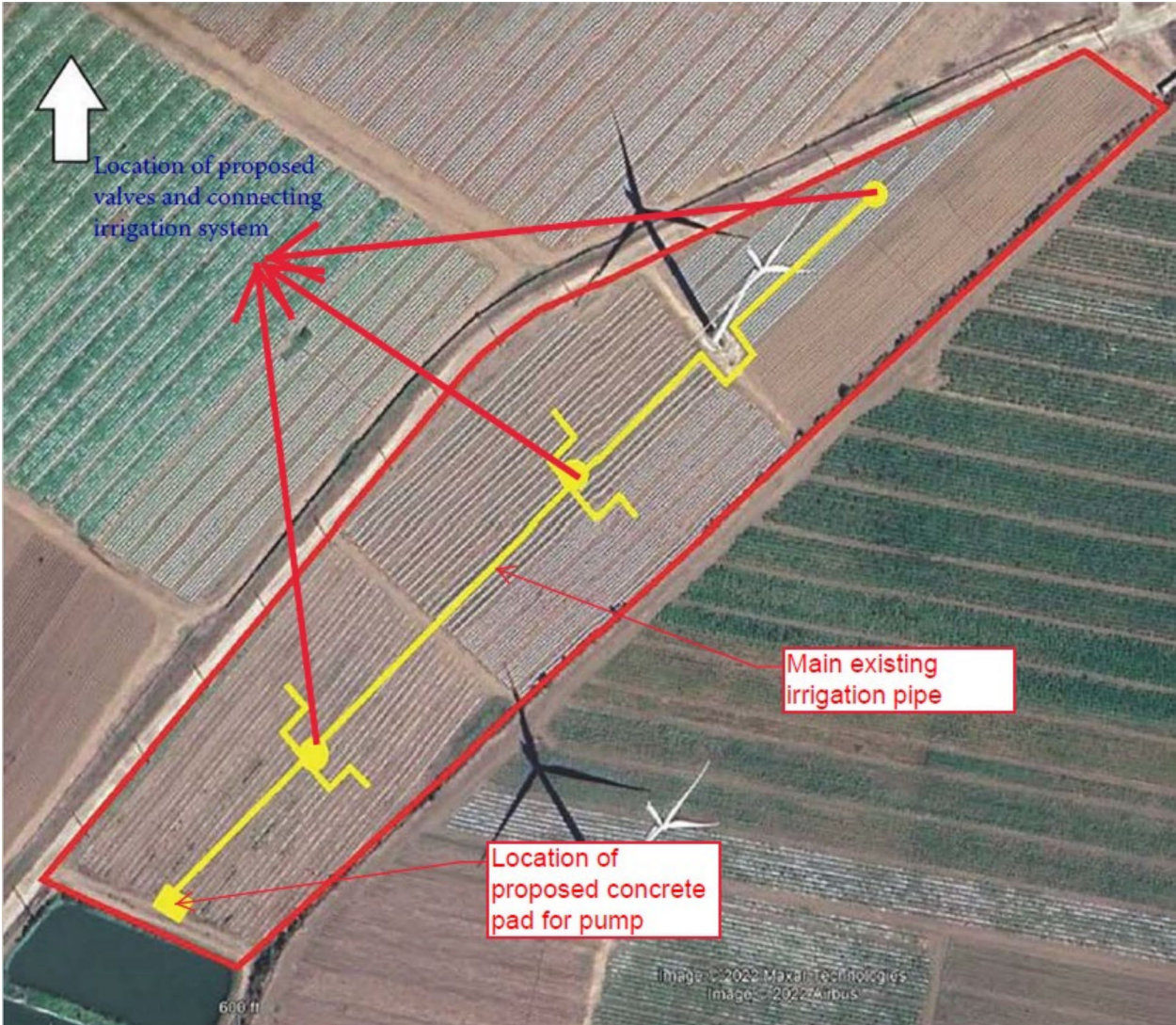




Figure 2. Existing Pipeline



Figure 3. Existing Pipeline



Figure 4 Example manifold



## **Appendix C**

### **USFWS Information for Planning and Consultation**



## United States Department of the Interior



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

In Reply Refer To:  
Project Code: 2023-0120545  
Project Name: PR-RGRW-00497

August 23, 2023

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

To Whom It May Concern:

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

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

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

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

to [caribbean\\_es@fws.gov](mailto: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](mailto:caribbean_es@fws.gov)

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

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

## OFFICIAL SPECIES LIST

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

This species list is provided by:

**Caribbean Ecological Services Field Office**

Post Office Box 491

Boqueron, PR 00622-0491

(787) 834-1600

---

## PROJECT SUMMARY

Project Code: 2023-0120545

Project Name: PR-RGRW-00497

Project Type: Restoration / Enhancement - Agricultural

Project Description: The proposed project will be funded under the ReGrow PR Urban-Rural Agricultural Program. The proposed project includes the purchase of agricultural equipment including a tractor and the purchase of an irrigation system to be installed at coordinates (17.975461, -66.394587). The proposed undertaking for the installation of the irrigation system consists of constructing a concrete waterproof anchored base for the system; the required concrete pad will be 10'-x-10'. The concrete base will have a 12-inch (in) wall along the pad's perimeter to retain oil spills and other contaminants. Also, a 6-inch diameter, below-ground pipeline irrigation system will be installed, which will go approximately 3 feet (ft) deep. This irrigation pipeline will extend from the ponds to the pumping station and from the station northeast (towards the windmill) for approximately 0.51 kilometers (km; 0.31 miles [mi]) towards the northeast. Anticipated ground-disturbing activities for the proposed project will include: the construction of a 10'-x-10' foot concrete pad with 12-inch walls to support the pump equipment and the excavation of trenches to a depth of 3 ft for the installation of a 6-inch diameter water pipeline for the pipeline irrigation system. The proposed concrete pad location is on a flat area, and no additional leveling will be required.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@17.9747479,-66.39869209654142,14z>



Counties: Santa Isabel County, Puerto Rico

---



## ENDANGERED SPECIES ACT SPECIES

There is a total of 1 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 Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## REPTILES

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6628">https://ecos.fws.gov/ecp/species/6628</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/IBFKDL7XM5DWNGXL2EZBSJ2P64/documents/generated/6941.pdf">https://ipac.ecosphere.fws.gov/project/IBFKDL7XM5DWNGXL2EZBSJ2P64/documents/generated/6941.pdf</a>	Endangered

## CRITICAL HABITATS

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

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

## USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

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

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

---

# MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

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

---

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

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

## MIGRATORY BIRDS FAQ

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

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

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

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

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

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

---

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

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

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

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

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

### **What are the levels of concern for migratory birds?**

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

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

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

### **Details about birds that are potentially affected by offshore projects**

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

---

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

### **What if I have eagles on my list?**

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

### **Proper Interpretation and Use of Your Migratory Bird Report**

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

## **WETLANDS**

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

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

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

#### FRESHWATER POND

- [PUBHx](#)

#### RIVERINE

- [R5UBFx](#)
-

## **IPAC USER CONTACT INFORMATION**

Agency: Horne Government Services

Name: Ana Martin

Address: 10000 Perkins Rowe, Building G, Suite 610

City: BATON ROUGE

State: LA

Zip: 70810

Email: ana.martin@hornellp.com

Phone: 2254067184

---



## United States Department of the Interior



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

In Reply Refer To:  
Project code: 2023-0120545  
Project Name: PR-RGRW-00497

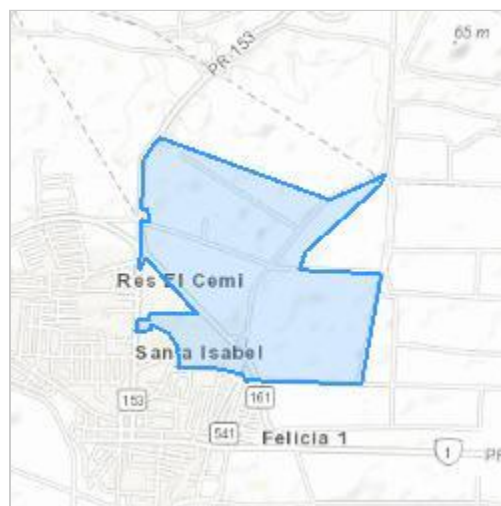
August 23, 2023

Subject: Consistency letter for the project named 'PR-RGRW-00497' 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 23, 2023, Ana Martin used the Caribbean DKey; dated February 08, 2023, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-RGRW-00497'. The project is located in Santa Isabel County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@17.9747479,-66.39869209654142,14z>



The following description was provided for the project 'PR-RGRW-00497':

The proposed project will be funded under the ReGrow PR Urban-Rural Agricultural Program. The proposed project includes the purchase of agricultural equipment including a tractor and the purchase of an irrigation system to be installed at coordinates (17.975461, -66.394587). The proposed undertaking for the installation of the irrigation system consists of constructing a concrete waterproof anchored base for the system; the required concrete pad will be 10'-x-10'. The concrete base will have a 12-inch (in) wall along the pad's perimeter to retain oil spills and other contaminants. Also, a 6-inch diameter, below-ground pipeline irrigation system will be installed, which will go approximately 3 feet (ft) deep. This irrigation pipeline will extend from the ponds to the pumping station and from the station northeast (towards the windmill) for approximately 0.51 kilometers (km; 0.31 miles [mi]) towards the northeast. Anticipated ground-disturbing activities for the proposed project will include: the construction of a 10'-x-10' foot concrete pad with 12-inch walls to support the pump equipment and the excavation of trenches to a depth of 3 ft for the installation of a 6-inch diameter water pipeline for the pipeline irrigation system. The proposed concrete pad location is on a flat area, and no additional leveling will be required.

Based on your answers and the assistance of the Service's Caribbean DKey, you determined the proposed Action will have "No Effect" on the following species:

<b>Species</b>	<b>Listing Status</b>	<b>Determination</b>
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Endangered	No effect

Thank you for informing the Service of your "No Effect" determination(s) for this project. No further consultation/coordination for this project is required for these species. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

This letter serves as documentation of your consideration of the federally listed species as required under section 7 of the ESA. However, effects to the other federally listed species or critical habitat as listed below from the "IPaC print-out for the project" (see below) should be considered as part of your ESA review for the project.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a "No Effect" (NE) determination for Federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NE concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

**Note:** Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to**

**handle or move these species.** If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office ([caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov)) to determine whether the consultation needs to be reinitiated.

If the proposed project is located within species range where a DKey has not been developed for those species, please follow the established guidance for initiating section 7 consultation Caribbean Ecological Services Field Office.

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](mailto:Caribbean_es@fws.gov).

---



## Action Description

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

### 1. Name

PR-RGRW-00497

### 2. Description

The following description was provided for the project 'PR-RGRW-00497':

The proposed project will be funded under the ReGrow PR Urban-Rural Agricultural Program. The proposed project includes the purchase of agricultural equipment including a tractor and the purchase of an irrigation system to be installed at coordinates (17.975461, -66.394587). The proposed undertaking for the installation of the irrigation system consists of constructing a concrete waterproof anchored base for the system; the required concrete pad will be 10'-x-10'. The concrete base will have a 12-inch (in) wall along the pad's perimeter to retain oil spills and other contaminants. Also, a 6-inch diameter, below-ground pipeline irrigation system will be installed, which will go approximately 3 feet (ft) deep. This irrigation pipeline will extend from the ponds to the pumping station and from the station northeast (towards the windmill) for approximately 0.51 kilometers (km; 0.31 miles [mi]) towards the northeast. Anticipated ground-disturbing activities for the proposed project will include: the construction of a 10'-x-10' foot concrete pad with 12-inch walls to support the pump equipment and the excavation of trenches to a depth of 3 ft for the installation of a 6-inch diameter water pipeline for the pipeline irrigation system. The proposed concrete pad location is on a flat area, and no additional leveling will be required.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@17.9747479,-66.39869209654142,14z>



## QUALIFICATION INTERVIEW

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

*No*

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

*No*

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

*No*

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

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

*No*

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

*No*

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

*No*

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

*No*

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

*No*

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

*Yes*

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

**Automatically answered**

*Yes*

---

## **IPAC USER CONTACT INFORMATION**

Agency: Horne Government Services  
Name: Ana Martin  
Address: 10000 Perkins Rowe, Building G, Suite 610  
City: BATON ROUGE  
State: LA  
Zip: 70810  
Email: ana.martin@hornellp.com  
Phone: 2254067184

## **LEAD AGENCY CONTACT INFORMATION**

Lead Agency: Department of Housing and Urban Development

---

**Appendix D**  
**Literature Cited**

Literature Cited:

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.

# Appendix F

## SHPO Consultation



GOVERNMENT OF PUERTO RICO  
STATE HISTORIC PRESERVATION OFFICE

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

August 15, 2023

**Lauren B. Poche**

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

SHPO: 01-20-23-01 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW PR URBAN-RURAL AGRICULTURAL **RE-GROW PROGRAM**, REQUEST FOR RECONSIDERATION FOR CASE PR-R3-00497, **JESÚS FLECHA RODRÍGUEZ, CARR, 161 KM 3 INT, PARQUE MOLINOS DE VIENTO, BO. FELICIA 1, SANTA ISABEL, PUERTO RICO**

Dear Ms. Poche,

We acknowledge receipt of the submitted documentation. Taking into account the new information provided, we support your finding of no historic properties affected within the project's Area of Potential Effects.

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

Sincerely,

Carlos A. Rubio-Cancela  
State Historic Preservation Officer

CARC/GMO/LGC



August 3, 2023

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

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

**SHPO ID: 01-20-23-01, Notification of Project Scope Change and Request for Reconsideration: PR-RGRW-00497 – Jesus Flecha Rodríguez – Carretera 161 km 3 Int, Parque Molinos de Viento, Barrio Felicia 1, Santa Isabel, Puerto Rico – *No Historic Properties Affected***

Dear Architect Rubio Cancela,

On behalf of the Puerto Rico Department of Housing, we thank you and acknowledge receipt of your letter of February 20, 2023, in which you concurred with the recommendation to carry out a Cultural Resource Assessment (Stage I) due to the archaeological potential of the area.

In recent conversations with the applicant, it was discovered that the Scope of Work as originally submitted to your office, was inaccurate. In our letter of January 20, 2023, the project undertaking was described as the construction of a 10' x 10' concrete waterproof anchored base for a pumping irrigation system and the installation of 0.31 miles of 6-inch diameter, below-ground irrigation pipeline system 3 ft below ground surface. We have since been informed that the irrigation lines are existing and have been in place since the applicant began leasing the property in late 2015 (Photo 1: Existing Irrigation line).

Therefore, the proposed activities for the project are limited to the construction of the new 10' x 10' concrete base for the pumping station and the addition of three new manifolds (hydrants, valves) connected to the existing irrigation line for water distribution. As a result, the Area of Potential Effect (APE) has been revised to include the location of the proposed concrete pad and three new manifold locations (Figure 1: Revised APE Map; Photo 2: Example of Proposed New Manifold).

During the initial site visit, a surface scatter was observed within the active agricultural field northeast of the proposed concrete pad location; the scatter consisted of prehistoric materials including prehistoric ceramic fragments, seashells, and possible lithic artifacts. Installation of the manifolds will require excavation of 3 ft to reach the existing irrigation lines; this excavation will be limited to the disturbed corridor of the existing irrigation line. Once installed, water will be distributed using movable above-ground rubber tubing. As the installation of the manifolds will take place within previously disturbed soils of the existing irrigation trench, there will be no impact to undisturbed cultural deposits.

Construction of the 10' x 10' concrete base for the pumping station will occur within the existing berm immediately adjacent to the ca. 2010 irrigation pond. The proposed location is level and minimal leveling will be required to construct the proposed concrete base. Aerial imagery from September 2, 2012, suggests



some additional soil disturbance in the berm and areas immediately north of the irrigation pond (Figure 2: 2012 Aerial Imagery). As the installation of the 10' x 10' concrete base will involve minimal ground disturbance within areas previously disturbed by the construction of the ca. 2010 pond and additional leveling activities observed in 2012 aerial imagery, there is no anticipated impact to undisturbed cultural deposits.

Based on the revised scope of work and review of evidence of previous disturbance within the proposed project APE by SOI-qualified Archaeologist Jennifer L. Evans, M.A., the Program has determined that the project activities will be confined to previously disturbed soils and those activities do not have the potential to impact any intact cultural deposits. Therefore, we respectfully request your concurrence with a finding of **no historic properties affected** and look forward to your response.

Please contact me by email at [lauren.poche@horne.com](mailto:lauren.poche@horne.com) or phone at 225-405-7676 with any questions or concerns.

Kindest regards,



**Lauren Bair Poche, M.A.**

Architectural Historian, Historic Preservation Senior Manager  
LBP/JLE

Attachments



**Photo #: 1**

**Description (include direction): Existing irrigation pipeline**

**Date: 7/28/2023**

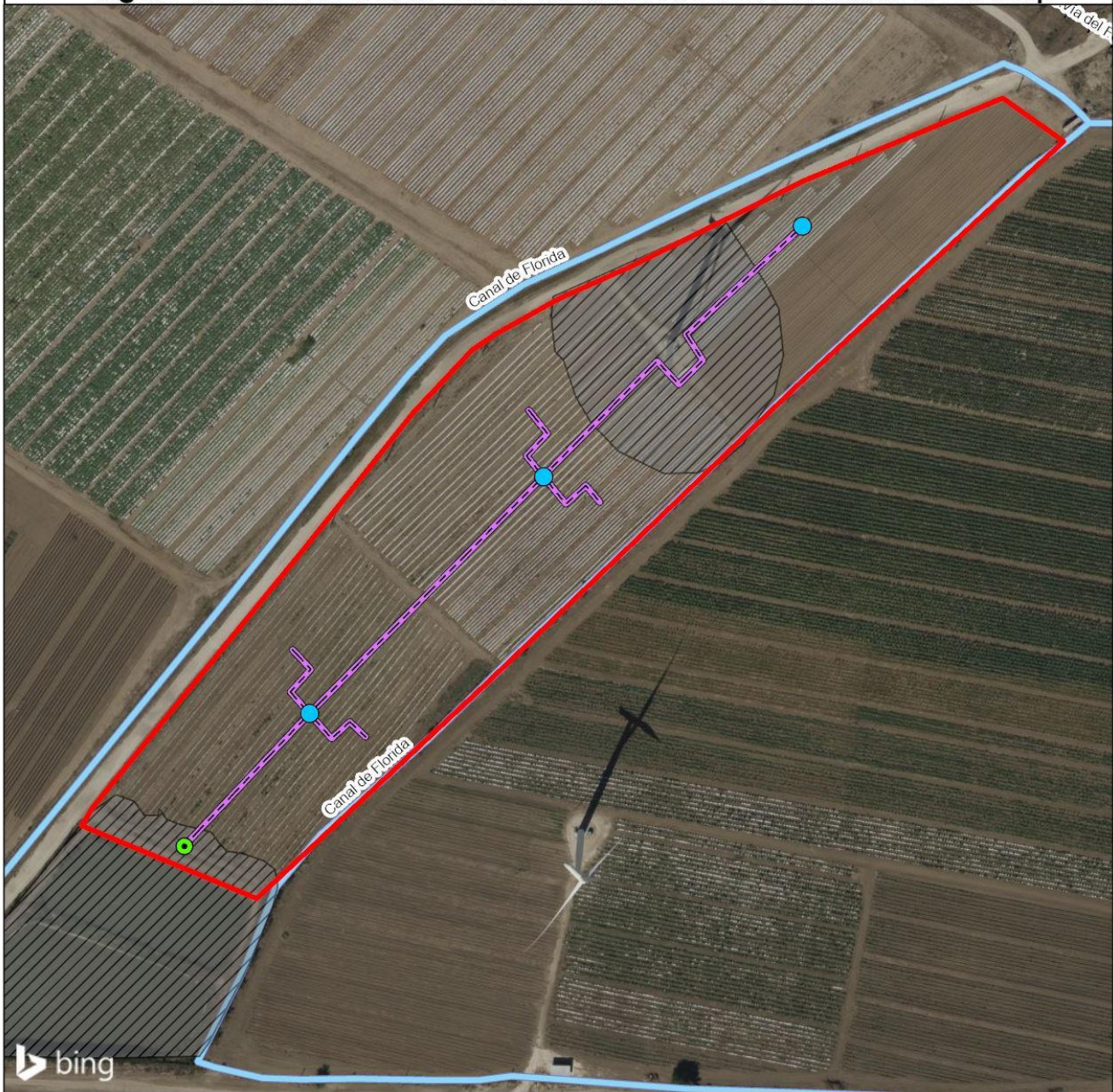


**Photo #: 2**

**Description (include direction): Example of the proposed manifolds.**

**Date: 7/28/2023**

**Figure 1: Case PR-RGRW-00497 Revised Area of Potential Effect Map**

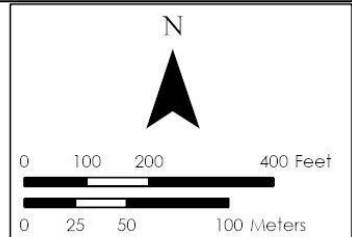


Carretera 161, Kilómetro 3 Interior, Parque Molinos de Viento, Barrio Felicia 1, Santa Isabel, Puerto Rico



**Legend**

- Proposed 10'-x-10' Concrete Base
- Proposed Valve Location
- Existing 6-inch irrigation pipe, 3ft below ground surface
- Area of Potential Effect
- Area of Previous Disturbance
- Linear Cultural Resources
- Canal
- + Railroad



Name: WGS 1984 Web Mercator Auxiliary Sphere      Scale: 1:3,000

**Figure 2: 2012 Aerial Imagery showing Ground Disturbance within Proposed Project Area (Source: Google Earth Pro, Maxar Technologies, accessed July 29, 2023)**





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



**GOVERNMENT OF PUERTO RICO**  
STATE HISTORIC PRESERVATION OFFICE

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

February 20, 2023

**Lauren Bair Poche**

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

SHPO: 01-20-23-01 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW  
PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, PR-RGRW-00497,  
JESÚS FLECHA RODRÍGUEZ, PR-161 KM 3 INT. PARQUE MOLINOS DE VIENTO,  
BO. FELICIA 1, SANTA ISABEL, PUERTO RICO

Dear Ms. Poche,

Our Office has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the *National Historic Preservation Act, as amended*) and 36 CFR Part 800: *Protection of Historic Properties* from the Advisory Council on Historic Preservation.

Our Office does not concur with your finding of no adverse effect at this time. We believe there is insufficient information to make a finding of effect for this undertaking. However, we concur with your recommendation that an archaeological assessment Stage I (shovel tests) should be carried out, as the archaeological potential of the area is considered high.

As soon as we receive the requested information, we will continue with the evaluation of the project. If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

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



January 20, 2023

Carlos A. Rubio Cancela  
Director Ejecutivo  
Oficina Estatal de Conservación Histórica  
Cuartel de Ballajá (Tercer Piso)  
San Juan, PR 00902-3935

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

### **Section 106 NHPA Effect Determination Submittal: PR-RGRW-00497 – Jesus Flecha Rodríguez – Carretera 161 km 3 Int, Parque Molinos de Viento, Barrio Felicia 1, Santa Isabel, Puerto Rico – *No Adverse Effect, Conditioned***

Dear Architect Rubio Cancela,

In accordance with Section 106 of the National Historic Preservation Act and its implementing regulations, 36 CFR Part 800, HORNE is providing information for your review and requesting your concurrence regarding the above-referenced projects on behalf of the Puerto Rico Department of Housing (PRDOH) and the Home Repair, Reconstruction, or Relocation (R3) Program. On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (Housing) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents.

On behalf of PRDOH and the subrecipient, the Puerto Rico Department of Agriculture, we are submitting documentation for activities proposed by Jesus Flecha Rodríguez at Carretera 161 Km 3 Int, Parque Molinos de Viento, Barrio Felicia 1 in the municipality of Santa Isabel. This undertaking consists of constructing a concrete waterproof anchored base for a pumping irrigation system and the installation of a 6-inch diameter, below-ground pipeline irrigation system will be installed. This irrigation system will be 3 feet deep and approximately 0.31 miles long. During the site visit, a surface scatter was observed of prehistoric materials consisting of prehistoric ceramic fragments, seashells, and possible lithic artifacts.

Based on the submitted documentation prepared by SOI-qualified Archaeologists Emett Jimenez, M.A. and Jennifer L. Evans, M.A., the Program has determined that the project will have *No Adverse Effect* on potentially intact subsurface cultural resources conditioned to the completion of a Phase IB survey that includes systematic shovel testing of the proposed pad location to confirm previous disturbance caused by the construction of the northern irrigation pond and along the proposed route of the buried irrigation pipes to investigate the potential for intact deposits below the plowzone. We respectfully request your concurrence with this finding and look forward to your response.

Please contact me by email at [lauren.poche@horne.com](mailto:lauren.poche@horne.com) or phone at 225-405-7676 with any questions or concerns.

Kindest regards,




**Lauren Bair Poche, M.A.**

Architectural Historian, Historic Preservation Senior Manager

Enclosures



<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b>		
<b>REGROW PUERTO RICO PROGRAM</b>		
<b>Section 106 NHPA Effect Determination</b>		
<b>Subrecipient:</b> Jesus Flecha Rodríguez		
<b>Case ID:</b> PR-RGRW-00497	<b>City:</b> Santa Isabel	

<b>Project Location:</b> Carretera 161 km 3 Int Parque Molinos de Viento, Barrio Felicia 1, Santa Isabel, PR	
<b>Project Coordinates:</b> 17.975461, -66.394587	
<b>TPID (Número de Catastro):</b> 415-000-008-02-901	
<b>Type of Undertaking:</b> <input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b>	<b>Property Size (acres):</b> 15.2

<b>SOI-Qualified Architect/Architectural Historian:</b> n/a
<b>Date Reviewed:</b> n/a
<b>SOI-Qualified Archaeologist:</b> Eminett Jimenez, M.A.; Jennifer L. Evans, M.A.
<b>Date Reviewed:</b> 12/13/2022

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 Undertaking consists of constructing a concrete waterproof anchored base for a pumping irrigation system; the required concrete pad will be 10'-x-10'. The concrete base will have a 12-inch (in) wall along the pad's perimeter to retain oil spills and other contaminants. Also, a 6-inch diameter, below-ground pipeline irrigation system will be installed, which will go approximately 3 feet (ft) deep. This irrigation pipeline will extend from the ponds to the pumping station and from the station northeast (towards the windmill) for approximately 0.51 kilometers (km; 0.31 miles [mi]) towards the northeast.

Anticipated ground-disturbing activities for the proposed project will include: the construction of a 10'-x-10' foot concrete pad with 12-inch walls to support the pump equipment and the excavation of trenches to a depth of 3 ft for the installation of a 6-inch diameter water pipeline for the pipeline irrigation system. The proposed concrete pad location is on a flat area, and no additional leveling will be required.

Overview of potentially ground-disturbing activities in the scope of work:

- Construction of a 10'-x-10' concrete base with 12-inch walls for the water pumps.
- Installation of about 0.51 km (0.32 mi) of 6-inch irrigation pipe at 3 ft deep.
- Installation of three valves along the new pipe.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REgROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Jesus Flecha Rodríguez	
<b>Case ID:</b> PR-RGRW-00497	<b>City:</b> Santa Isabel

### Area of Potential Effects


As defined in 36 CFR 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 proposed location of the concrete pad and trenching for the below-ground irrigation pipes and valves (see attached Area of Potential Effect map).

### 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 information by a contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61) found no previously identified historic properties or archaeological resources present within or adjacent to the parcel containing the project APE.

Santa Isabel is an area with a high presence of sites, with most being prehistoric settlements consisting of Residuary, Bateyes, and burials. At present, and for decades, the land of the APE has been cultivated. The area had previous archaeological studies within the 0.5 mi radius, all with positive results for archaeological finds. Two previous investigations included portions of the current project area; however, neither survey included subsurface testing within the current APE. The first is a Phase II survey conducted in 2011 by Marisol Melendez for the Sistema de Riego de Viento Project (ICP/CAT-SI-10-13-02). The second was a Phase IA survey conducted by Pedro Alvarado in 2010 for the Santa Isabel Wind Farm Project (ICP/CAT-SI-10-11-03) which recovered both prehistoric and historic cultural materials. The closest archaeological site is the Sistema de Riego de las 3 Haciendas (SI0200031), located 0.06 km (0.04 mi) northwest and 0.06 km (0.04 mi) east of the project area. The site consists of a ca. 1846 irrigation system that carried water from the Coamo River to an aqueduct that distributed the water to three canals. The canals brought water to three haciendas: la Floriana, la Destino, and la Santa Isabel.

Historic irrigation infrastructure in the region dates back to the mid-nineteenth century. Two irrigation ponds are located immediately south of the current project area. A review of aerial imagery shows a portion of the southern irrigation pond and what appears to be the Canal de Florida, located to the southeast of the pond, on 1930 aerial imagery; unfortunately, the image cuts off and does not include the location of the northern of the two ponds, nor does it include any part of the current project area. Historic

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Jesus Flecha Rodríguez	
<b>Case ID:</b> PR-RGRW-00497	<b>City:</b> Santa Isabel

topographic maps of the area show the southernmost irrigation pond and the Canal de Florida in place. No improvements are depicted at the location of the northern pond nor within the current project area (Santa Isabel, PR 1944 [1944ed.] USGS 7.5-minute topographic quadrangle map).

By 1958 imagery, the southern irrigation pond was present in its current configuration; the location of the northern pond and the current project area is shown as planted agricultural fields. However, by 1995, sediment and infilling were visible within the southern pond, and 2004 imagery shows crops planted within the footprint of the historic pond. Between 2006 and 2012, the southern pond was cleared, and a second pond was installed to the north. The ponds remain in this configuration to the present day.

Within the APE, the main ground disturbance is from agricultural plowing. Surface scatter of prehistoric materials was observed including prehistoric ceramic fragments, seashells and possible lithic artifacts. One ca. 2012 windmill is located within the APE. There are no previously identified historic properties within a 0.5-mile radius of the project area, but there are several positive cultural studies within the 0.5-mile radius and further.


### **Summary of Site Visit**

A pedestrian survey was conducted within the project APE and included the proposed concrete slab's location and the proposed distribution lines. During the site visit, ground disturbance was observed due to agricultural activities, including plowing.

The topography is generally flat, with only a slight rise in elevation to the south towards the irrigation ponds. Surface visibility was good within the location of the concrete slab with bare earth present. However, much of the APE area is currently planted with crops, including most of the proposed route of the irrigation pipes.

The pedestrian survey observed cultural materials on the ground surface, including shell fragments and possible lithic artifacts; ceramic fragments were present but in lesser amounts. The soil consisted of brown, dry sandy clay with a Munsell scale of 10 YR 3/3 dark brown within the entire APE.

The applicant stated knowledge of nearby archaeological sites but has not observed cultural materials within the project area property. The closest available freshwater source for prehistoric groups was the Coamo River, located 2.31 km (1.43 mi) to the northwest of the APE.


<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGrow PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
<b>Subrecipient:</b> Jesus Flecha Rodríguez	
<b>Case ID:</b> PR-RGRW-00497	<b>City:</b> Santa Isabel

**Determination:**

The project area consists of an observed surface artifact scatter, is located on relatively level topography with well-drained fertile soils, and is near a significant freshwater source. At least two positive prehistoric surveys are located within a 0.5 mi radius of the project area.

The long-term use of the area for agriculture suggests ground disturbance for much of the project area is limited to the plowzone with the potential for intact deposits beneath the plowzone. Aerial imagery review suggests that the construction of the northern irrigation pond between 2006 and 2012 may have resulted in disturbance in the proposed location of the concrete pad.

Based on the results of the pedestrian survey and background research, Horne determined the project will have an No Adverse Effect on potentially intact subsurface cultural resources conditioned to the completion of a Phase IB survey that includes systematic shovel testing of the proposed pad location to confirm previous disturbance caused by the construction of the northern irrigation pond and along the proposed route of the buried irrigation pipes to investigate the potential for intact deposits below the plowzone.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGROW PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Jesus Flecha Rodríguez	
<b>Case ID:</b> PR-RGRW-00497	<b>City:</b> Santa Isabel

**Recommendation**

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

- No Historic Properties Affected
- No Adverse Effect
  - Condition (if applicable): Phase IB Cultural Resource Assessment
- Adverse Effect

**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"/> <b>Concurs</b> with the information provided. <input type="checkbox"/> <b>Does not concur</b> with the information provided.	
<b>Comments:</b>  	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

### Project (Parcel) Location – Aerial Map

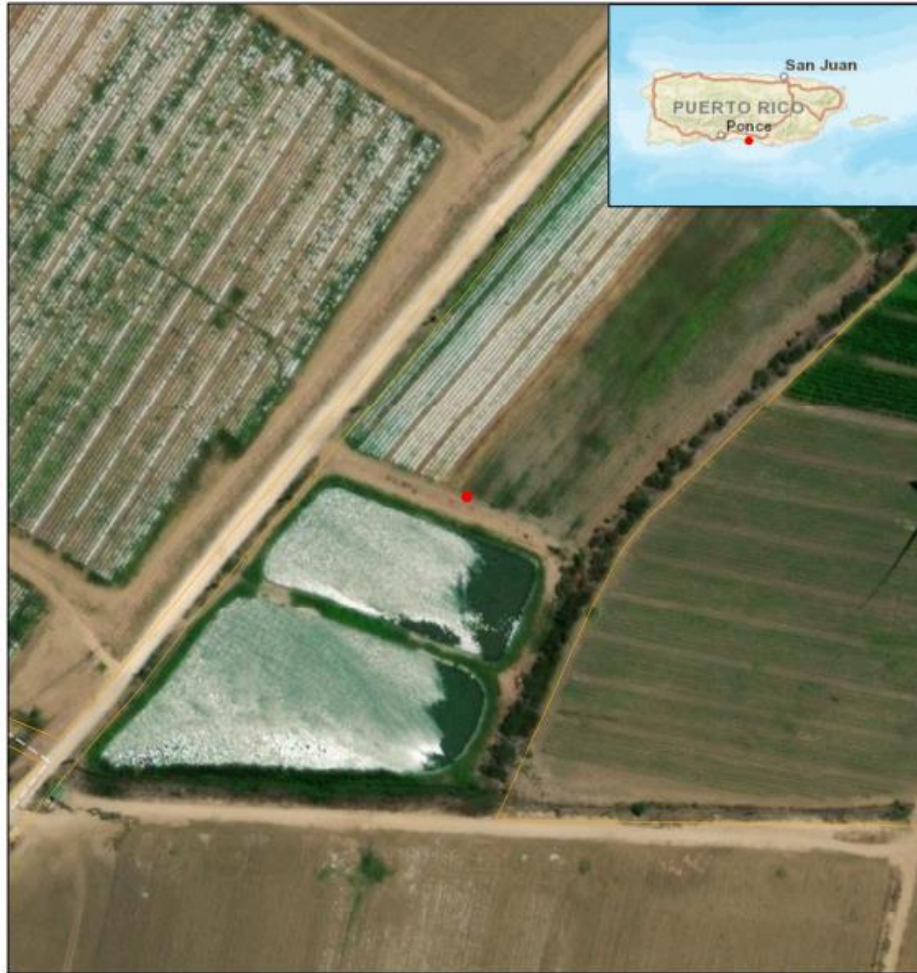
**Project Location - Aerial Base**  
Puerto Rico Department of Housing  
Re-Grow Program

Latitude: 17.9754  
Longitude: -66.3946

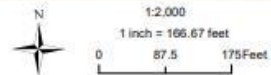


Application ID#: PR-RGRW-00497

Address: Carr 161, Km 3 Interior, Parque Molinos de Viento, Barrio Felicia 1, Santa Isabel, PR 00757



● Applicant Structure  
□ Parcels



Sources: Esri Imagery Basemap service.

Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

**Project (Parcel) Location - Area of Potential Effect Map (Aerial)**

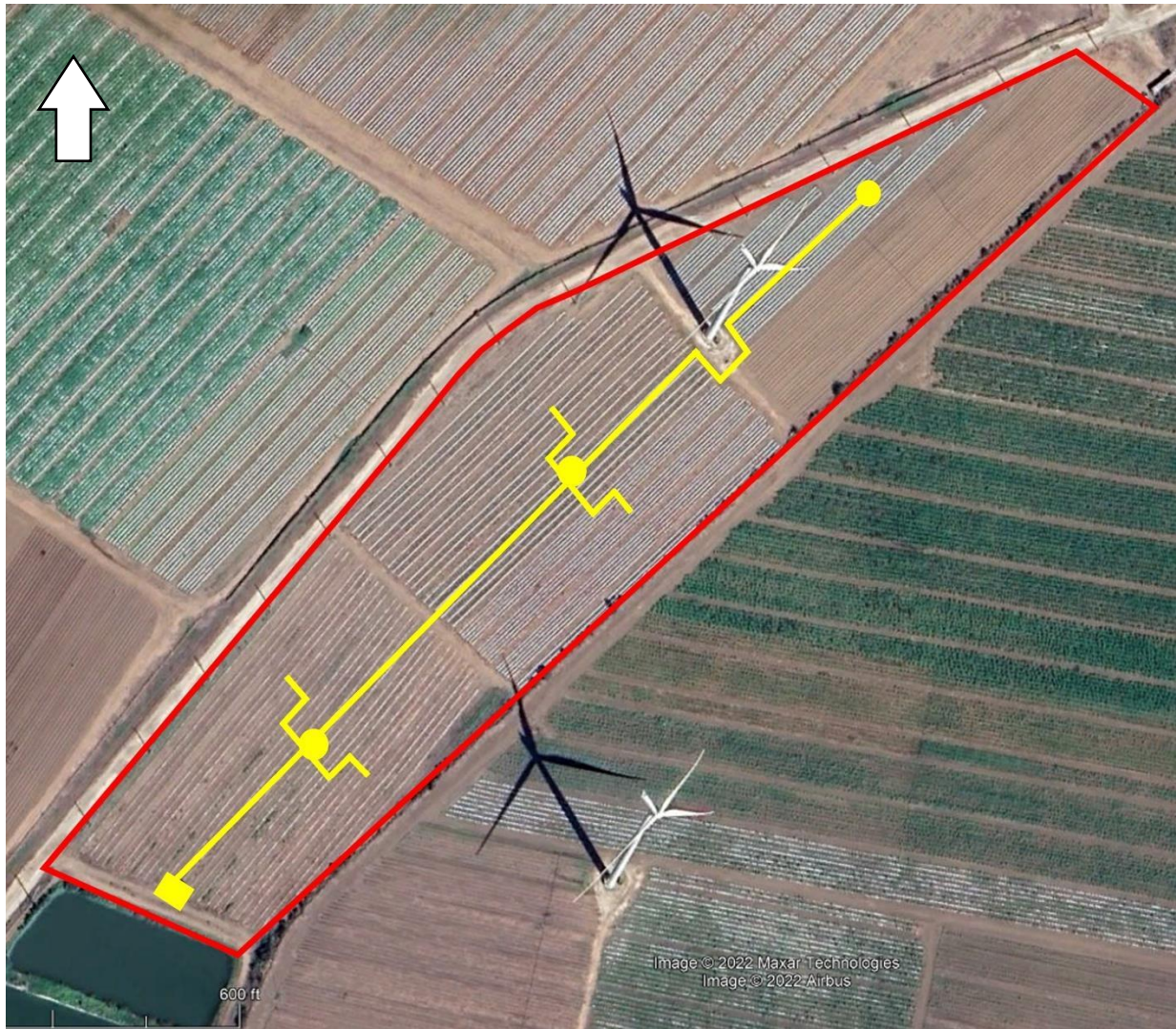


Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

**Project (Parcel) Location - Proposed Platform, Irrigation System, and Pump Station per Applicant (Aerial)**





PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGrow PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

### Project (Parcel) Location - USGS Topographic Map

**Project Location - Topographic Base**  
Puerto Rico Department of Housing  
Re-Grow Program

Latitude: 17.9754  
Longitude: -66.3946



Application ID#: PR-RGRW-00497

Address: Carr 161, Km 3 Interior, Parque Molinos de Viento, Barrio Felicia 1, Santa Isabel, PR 00757



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

ReGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

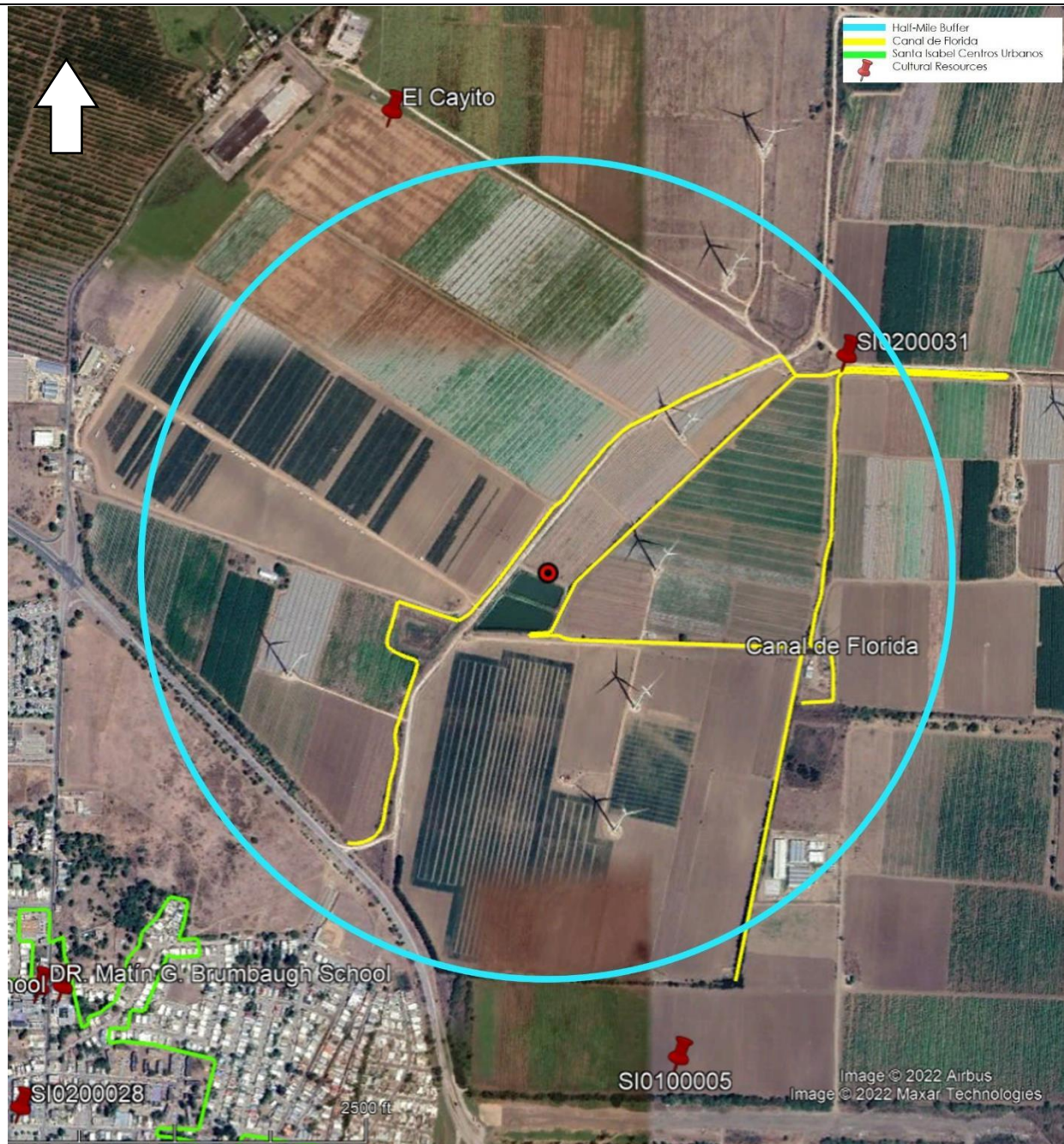
Case ID: PR-RGRW-00497

City: Santa Isabel

### Project (Parcel) Location – Soils Map



### Project (Parcel) Location with Previous Investigations - Aerial Map



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

**Project (Parcel) Location with Previous Investigations – Aerial (Source: ICP Digital Files)**



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

1930 Aerial Imagery overlaid on 2022 Google Earth Imagery (accessed via Google Earth Pro)



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGrow PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

1944 Santa Isabel, Puerto Rico USGS Quadrangle, 7.5-Minute Series (1944 edition; Source: USGS TopoView)



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

1958 Aerial Imagery (HistoricAerials.com)



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

**1995 Aerial Imagery (USGS Imagery, accessed via Google Earth Pro)**





PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

**2004 Aerial Imagery (USGS Imagery, accessed via Google Earth Pro)**



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

2012 Aerial Imagery (accessed via Google Earth Pro)



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel

1

### Photograph Key



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel



Photo #: 1

**Description (include direction):** Drone imagery, looking Northeast. Aerial Top view of the APE. Concrete slab will be located at the center of the field, and the irrigation pipes will be in a straight line towards and passing the windmill.

Date: 11/2022



Photo #: 2

**Description (include direction):** Drone imagery, looking northwest. Aerial Top view of the APE. Concrete slab will be located on the left side of the image. Irrigation pipes will pass the windmill in the center and stop on the right side of the image.

Date: 11/22

Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel



Photo #: 3

**Description (include direction):** Drone imagery, looking southwest. Top aerial view of the APE looking to the area where the irrigation pipelines will be installed right through the center of the field; concrete slab will be anchored at top of image.

Date: 11/2022



Photo #: 4

**Description (include direction):** Drone imagery, looking south. Top aerial view of the APE looking to the area where the concrete slab will be anchored, right side of image approximately 10m from ponds. The irrigation pipelines will be installed to the left, towards the windmill.

Date: 11/2022

Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel



Photo #: 5

**Description (include direction):** Drone imagery to the Southwest Image showing the area where the concrete slab will be installed.

Date: 11/2022



Photo #: 6

**Description (include direction):** Drone imagery, looking south. Top view from the crossroad at the place of confluence of the irrigation system of the three haciendas. Notice the channels to the right and left of the picture.

Date: 11/2022

Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel



Photo #: 7

**Description (include direction):** Image of the APE area where the concrete slab will be placed, looking northeast towards the windmill.

Date: 11/2022



Photo #: 8

**Description (include direction):** View of the terrain where shell fragments can be seen, looking northeast.

Date: 11/2022

Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel



Photo #: 9

**Description (include direction):** Southwest  
Area where the new concrete pad will be installed towards the pond.  
Notice the shell and lithic fragments.

Date: 11/2022



Photo #: 10

**Description (include direction):** Surface  
Close up of the soils on the APE demonstrates the concentration of shells and possible lithic fragments.

Date: 11/2022



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel



Photo #: 11

**Description (include direction):** Surface  
Close-up of the soils on the APE demonstrating a possible lithic artifact or nuclei.

Date: 11/2022



Photo #: 12

**Description (include direction):** Close-up of a possible lithic artifact fragment.

Date: 11/2022

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGrow PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Jesus Flecha Rodríguez

Case ID: PR-RGRW-00497

City: Santa Isabel



Photo #: 13

**Description (include direction):** An interesting rock was found on the path where the irrigation pipelines will go through.

Date: 11/2022



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