

**Environmental Assessment  
Determinations and Compliance Findings for HUD-assisted  
Projects  
24 CFR Part 58**

**Project Information**

**Project ID:** PR-RGRW-01333

**Project Name:** DANIEL ALVARADO COLLAZO

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

**Grant Recipient** (if different than Responsible Entity): Not Applicable

**Program:** Re-Grow Puerto Rico Urban-Rural Agriculture Program

**State/Local Identifier:** Puerto Rico / Municipio of Orocovis

**Preparer:** Justin Neely

**Certifying Officer Name and Title:** Janette I. Cambrelén , Permit and

Environmental Compliance Officer

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

**Direct Comments to:** Janette I. Cambrelén

**Project Location:**

Site 1: Carretera 155 km 31.2, Bo. Gato, Orocovis, PR 00720

Site 2: Carr 155 km 31.5 Int Bo. Gato, Orocovis, PR 00720

Site 1: Latitude 18.247485, Longitude -66.399332

Site 2: Latitude 18.246784, Longitude -66.399286

Site 1 parcel ID: 193-000-009-78-000

Site 2 parcel ID: 219-007-232-02-000

**Description of the Proposed Project** [24 CFR 58.32; 40 CFR 1508.25]: Project includes the purchase of a vehicle and the purchase and installation of a greenhouse (to be performed at site 1 Latitude 18.247485, Longitude -66.399332) The proposed undertaking is the construction of the ninth greenhouse, adjacent to the south of the existing buildings. As it is proposed some additional minor leveling will be required for the construction of the new greenhouse and the installation of the tables and equipment that will be placed inside. Ground disturbance will be limited to minor surface leveling on a previously impacted, sloped area. There are 6 existing 2"x2" metal post buried 2 feet deep underground, 10 feet apart, and will be used as support for the greenhouse. The greenhouse will measure 72 x 30 feet.

**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 greenhouse placement 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 greenhouse placement is used for agricultural purposes. Therefore, there is no change in land use associated with this greenhouse placement.

**Funding Information**

<b>Grant Number</b>	<b>HUD Program</b>	<b>Funding Amount</b>
B-17-DM-72-0001 and B-18-DP-72-0001	CDBG-DR, Re-Grow Puerto Rico Urban-Rural Agriculture Program	\$ 50,000.00

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**Estimated Total HUD Funded Amount:** \$ 50,000.00

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$ 50,000.00

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

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of 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 15,000 feet of a military airport or 2,500 feet of a civilian airport, nor is it within an airport Runway Protection Zone (RPZ). The nearest airport RPZ/CZ is approximately 101,084.1 feet and 100,468.5 feet away. The project is in compliance with Airport Hazards requirements. See the attached Airports maps.
<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 76,188 feet and 76,399.1 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. See the attached CBRS maps.
<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 sites are located in a Zone X, Panel 72000C1135H, effective 4/19/2005. The project does not require flood insurance or is excepted from flood insurance; therefore, is in compliance with flood insurance requirements. See the attached Flood Maps.
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</b>		

<p><b>Air Quality</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>This project consists only of purchase and installation of equipment (greenhouse) for an agricultural site and is not located in a non-attainment municipality of Puerto Rico (Appendix B). Based on the project description, this project includes no activities that would require further evaluation under the Clean Air Act. The project is in compliance with the Clean Air Act.</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>This project is not located in and does not affect a Coastal Zone as defined in the state Coastal Management Plan. The project is located 72,373.9 feet and 72,256.2 feet from the coastal zone (Figure 4). The project is in compliance with the Coastal Zone Management Act.</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 and one toxic site is located within 3,000 feet of the project area. 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. The project is in compliance with contamination and toxic substances requirements. See the attached Toxics maps and toxics table.</p>
<p><b>Endangered Species</b></p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>This project and proposed activity will have No Effect on listed species due to the nature of the activities involved in the project. Additionally, the project has no critical habitats in the area. This project is in compliance with the Endangered Species Act. See attached Critical Habitats maps. 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</p>

		Environmental Resources and ask for them to relocate the Boa.
<b>Explosive and Flammable Hazards</b>  24 CFR Part 51 Subpart C	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on the project description the project includes no activities that would require further evaluation under this section. The project does not include development of a hazardous facility and does not include increasing residential density. The project is in compliance with explosive and flammable hazard requirements.
<b>Farmlands Protection</b>  Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project does not include any activities that could potentially convert agricultural land to non-agricultural use. The project is in compliance with the Farmland Protection Policy Act. See the attached Farmlands maps.
<b>Floodplain Management</b>  Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project does not occur in a floodplain, nor an ABFE. The project is in compliance with Flood plain management requirements. See attached ABFE maps.
<b>Historic Preservation</b>  National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on the project description, consultation with the Puerto Rico State Historic Preservation Office (SHPO) is required. SHPO agrees with the finding of no historic properties affected within the project's area of potential effects. Therefore, this activity is in compliance. See attached agency correspondence to/from SHPO.
<b>Noise Abatement and Control</b>  Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on the project description, this project includes no activities that would require further evaluation under HUD's noise regulation. There is no new construction for residential use nor rehabilitation of residential properties. The project is in compliance with HUD's Noise regulation.
<b>Sole Source Aquifers</b>	Yes    No	There are no sole source aquifers in Puerto Rico. The project is in

<p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>compliance with this citation without further evaluation.</p>
<p><b>Wetlands Protection</b> Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no wetlands within or in the vicinity of the project area. The project is in compliance with Executive Order 11990. See the attached Wetlands maps.</p>
<p><b>Wild and Scenic Rivers</b> Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is not within the proximity of a NWSRS river. The nearest Wild and Scenic River are 211,061.8 feet and 211,161.8 feet away from the project site. Therefore, this project is in compliance with the Wild and Scenic Rivers Act. See the attached map Wild and Scenic maps.</p>
<p><b>ENVIRONMENTAL JUSTICE</b></p>		
<p><b>Environmental Justice</b> Executive Order 12898</p>	<p>Yes No <input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There were no findings in this review that would indicate an adverse impact on sensitive populations. The project is in compliance with Executive Order 12898.</p>

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

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
<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 greenhouse. The greenhouse is sufficiently small so as to not be affected by land development issues. The landslide data indicates low to moderate landslide susceptibility. See attached landslide maps.
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.
Demographic Character Changes, Displacement	2	The proposed project will not alter the demographic characteristics of Orocovis, PR. The project may 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 project 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 project 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	2	The proposed project will have no impact on Wastewater / Sanitary Sewers. There will be little to no additional runoff associated with the project.
Water Supply	2	The proposed project will have no impact on water supply. The land to be purchased is already being used for agricultural purposes. The land will continue to be used for the same agricultural purposes with no intent to change.
Public Safety - Police, Fire and Emergency Medical	2	The proposed project will have no impact on Public Safety.
Parks, Open Space and Recreation	2	The proposed project will have no impact to Parks, Open Space and Recreation. The property being used is agricultural and it will continue as agricultural use.
Transportation and Accessibility	2	The proposed project will have no impact to Transportation and Accessibility nor any infrastructure on Puerto Rico.
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.
Vegetation, Wildlife	2	The proposed project will occur in land previously used for agricultural purposes and will continue in that capacity. There may be wildlife attracted to the greenhouse but no negative impact on wildlife.
Other Factors		Not applicable.

**Additional Studies Performed:** Not applicable

**Field Inspection** (Date and completed by): November 2022, Eminett Jimenez

**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:** Environmental permit (REA, DEA) from PR Permits Management Office. Other state permits.

**Public Outreach** [24 CFR 58.43]: The local community has been very proactive in the recovery process. PR Department of Agriculture has worked closely with the agricultural

community. PRDOH will publish the FONSI / NOI-RROF in compliance with NEPA regulations for HUD.

**Cumulative Impact Analysis** [24 CFR 58.32]: In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the placement of the greenhouse on this agricultural site.

**Alternatives** [24 CFR 58.40(e); 40 CFR 1508.9]: None

**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 greenhouse and equipment 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 this economic development for this applicant.

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

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

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

Law, Authority, or Factor	Mitigation Measure

**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: JK Neely Date: 1/17/2023

Name/Title/Organization: Justin Neely; Manager; HORNE LLP

Certifying Officer Signature: J. Cambrelén Date: 1/26/2023

Name/Title: Janette I. Cambrelén, Permit and Environmental Compliance Specialist

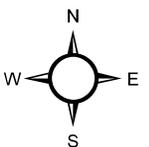
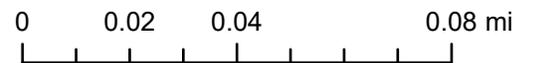
This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).



# PR-RGRW-01333 Site 1 Location



Legend

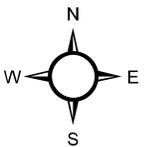
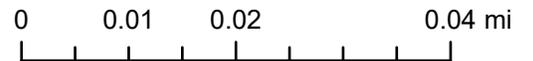




# PR-RGRW-01333 Site 2 Location



Legend



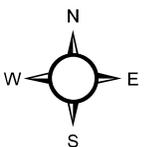
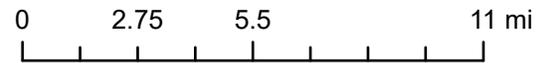


# PR-RGRW-01333 Site 1 Airports



## 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

<https://arcgis.horne.com/portal/apps/experiencebuilder/experience/?id=883eb165a91d411996af67b92f45a429>

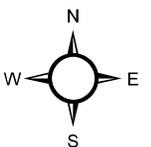
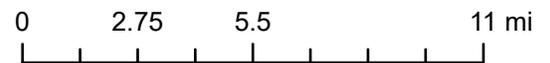


# PR-RGRW-01333 Site 2 Airports



## 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



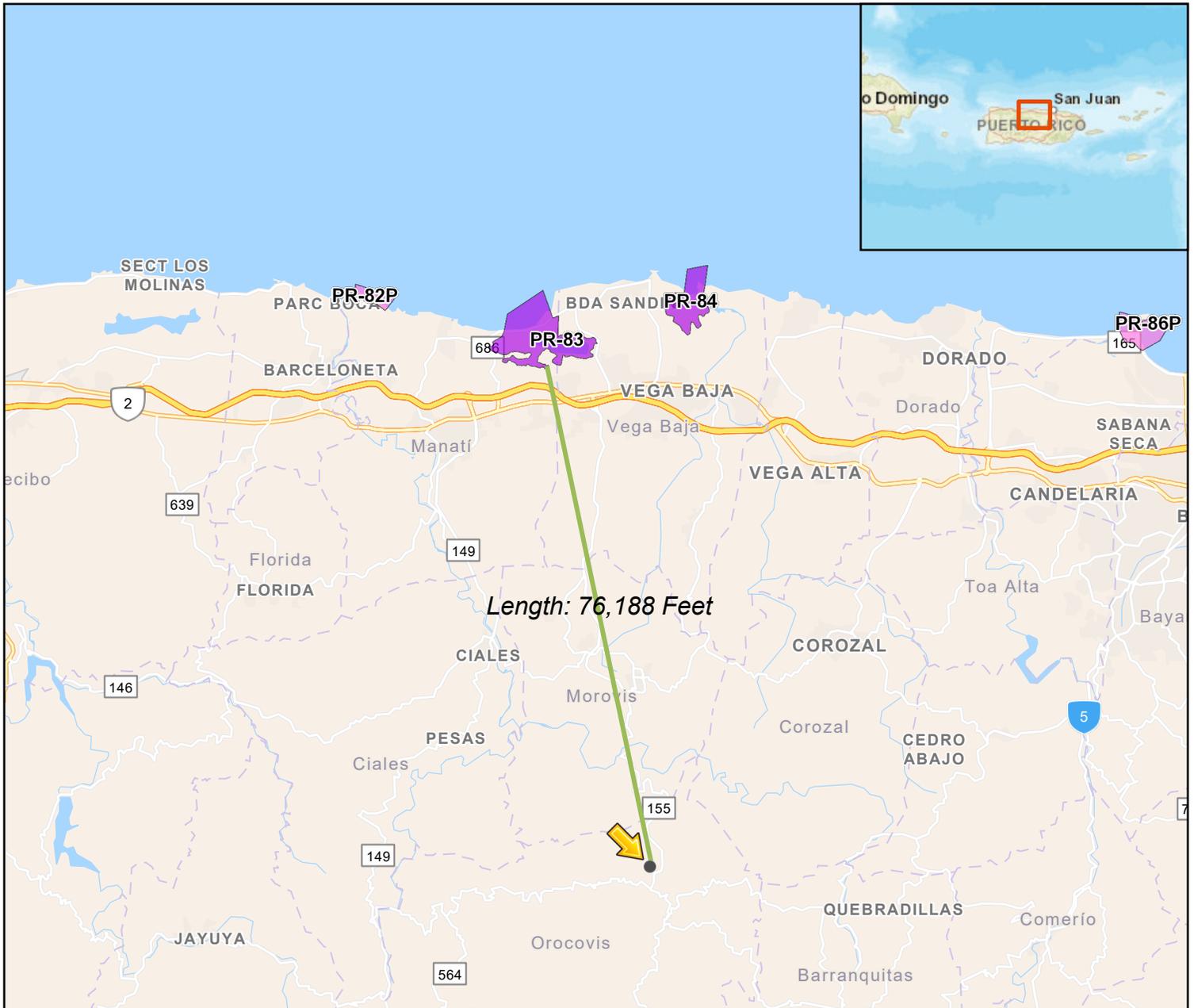
Runway Protection Zones

Major Civil and Military Airports

<https://arcgis.horne.com/portal/apps/experiencebuilder/experience/?id=883eb165a91d411996af67b92f45a429>

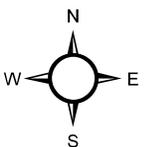
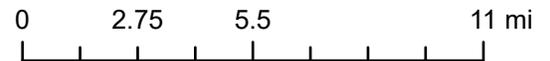


# PR-RGRW-01333 Site 1 CBRS



## Legend

- Otherwise Protected Area
- System Unit



U.S. Fish and Wildlife Service

Coastal Barrier Resources Act Program

<https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/>

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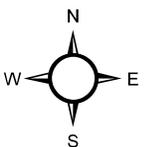
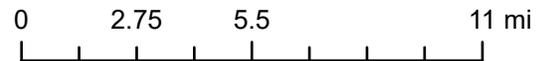


# PR-RGRW-01333 Site 2 CBRS



## Legend

- Otherwise Protected Area
- System Unit



U.S. Fish and Wildlife Service

Coastal Barrier Resources Act Program

<https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/>

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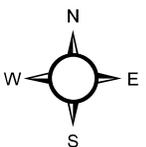
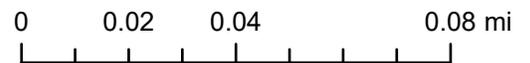


# PR-RGRW-01333 Site 1 Flood



## 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

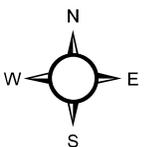
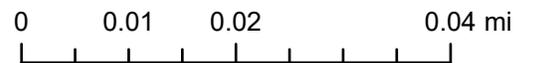


# PR-RGRW-01333 Site 2 Flood



## 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

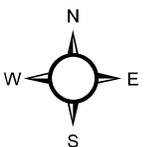
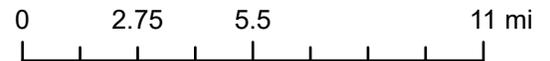


# PR-RGRW-01333 Site 1 CZM



## Legend

 Coastal Zone Management Act Boundary

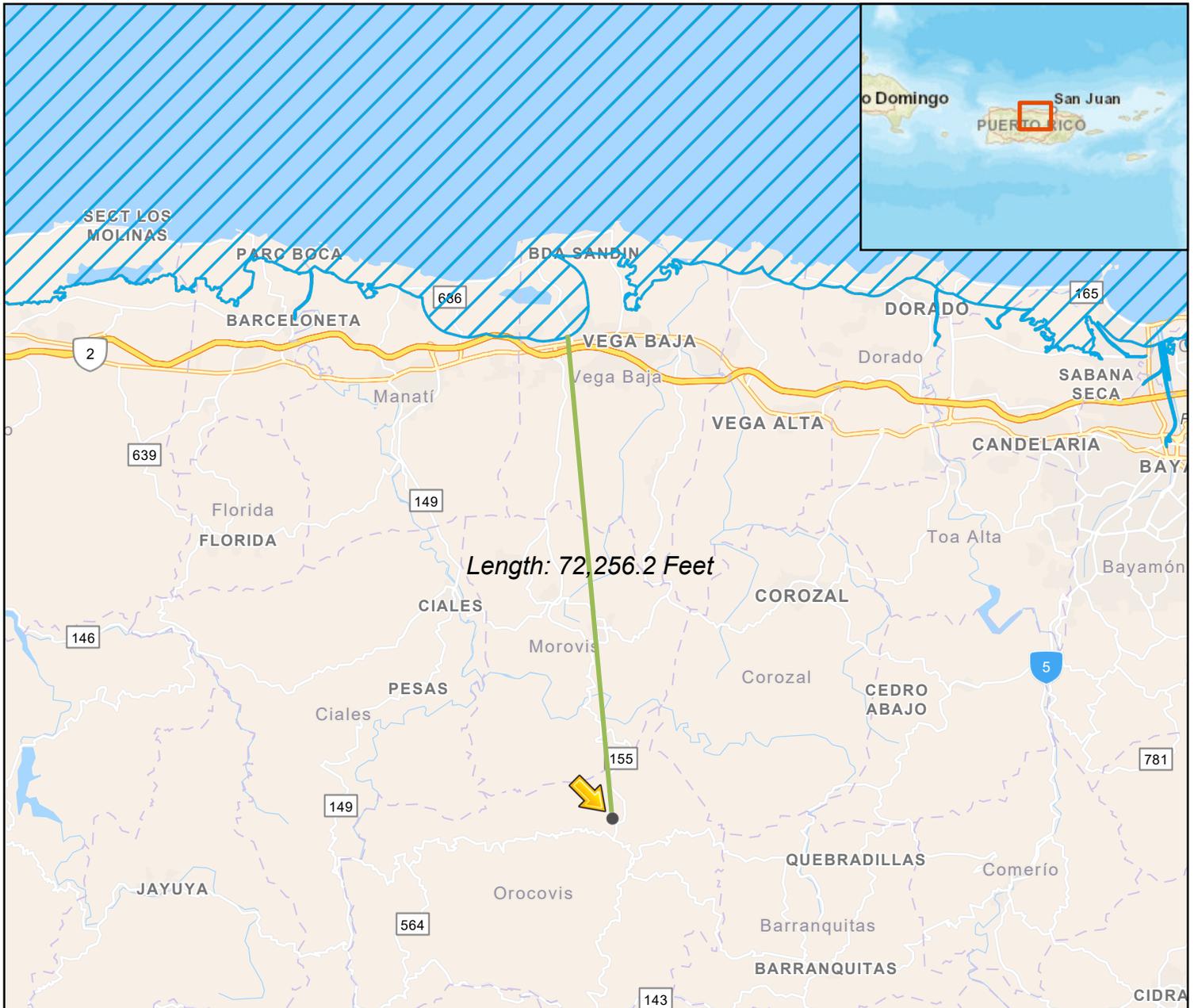


NOAA

Coastal Zone Management Act

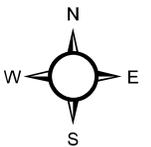
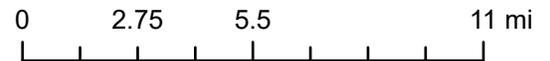


# PR-RGRW-01333 Site 2 CZM



## Legend

 Coastal Zone Management Act Boundary



NOAA

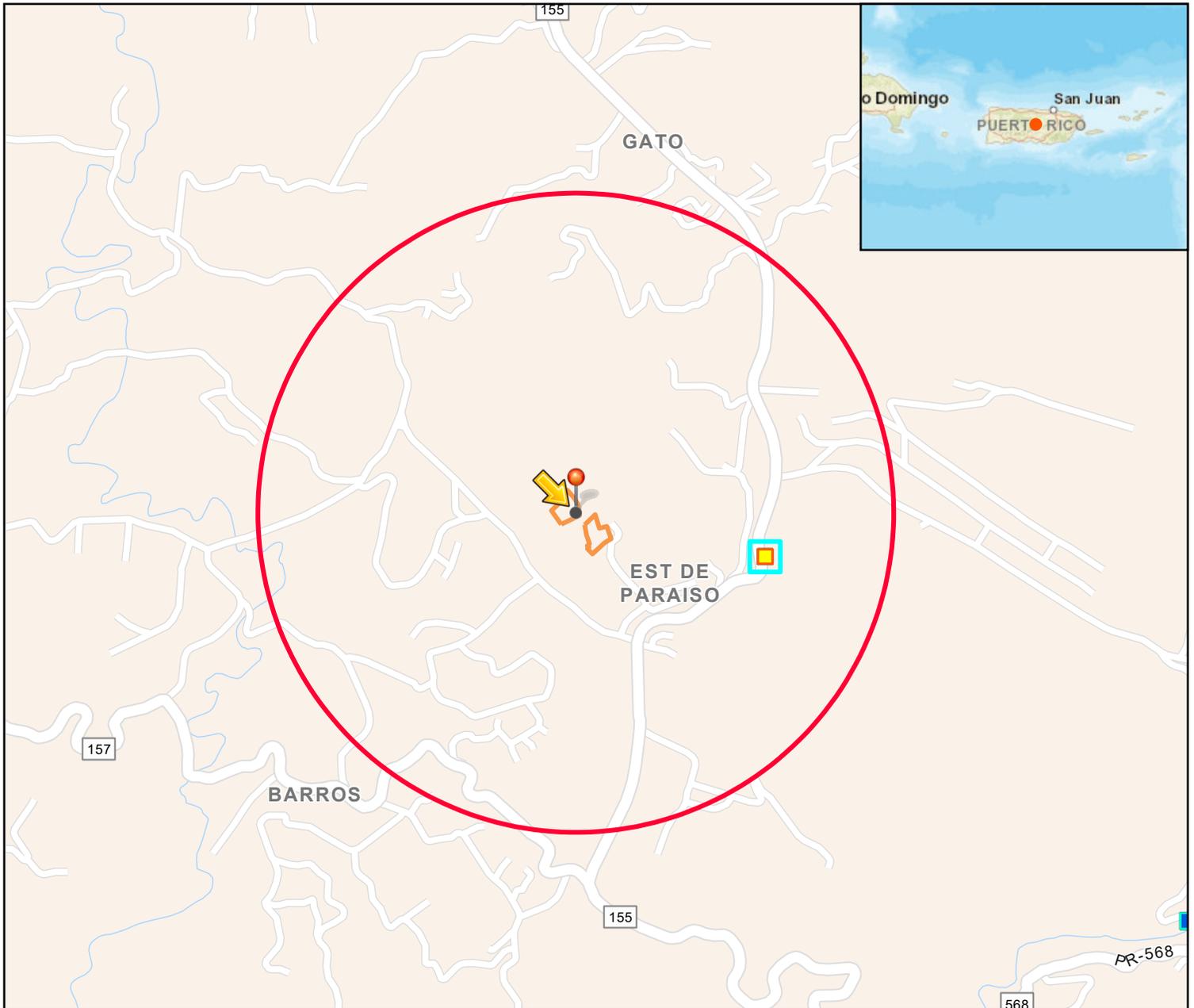
Coastal Zone Management Act

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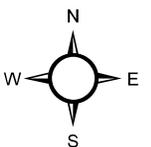
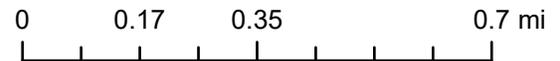


# PR-RGRW-01333 Site 1 Toxics



## Legend

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



Envirofacts Facility Locations

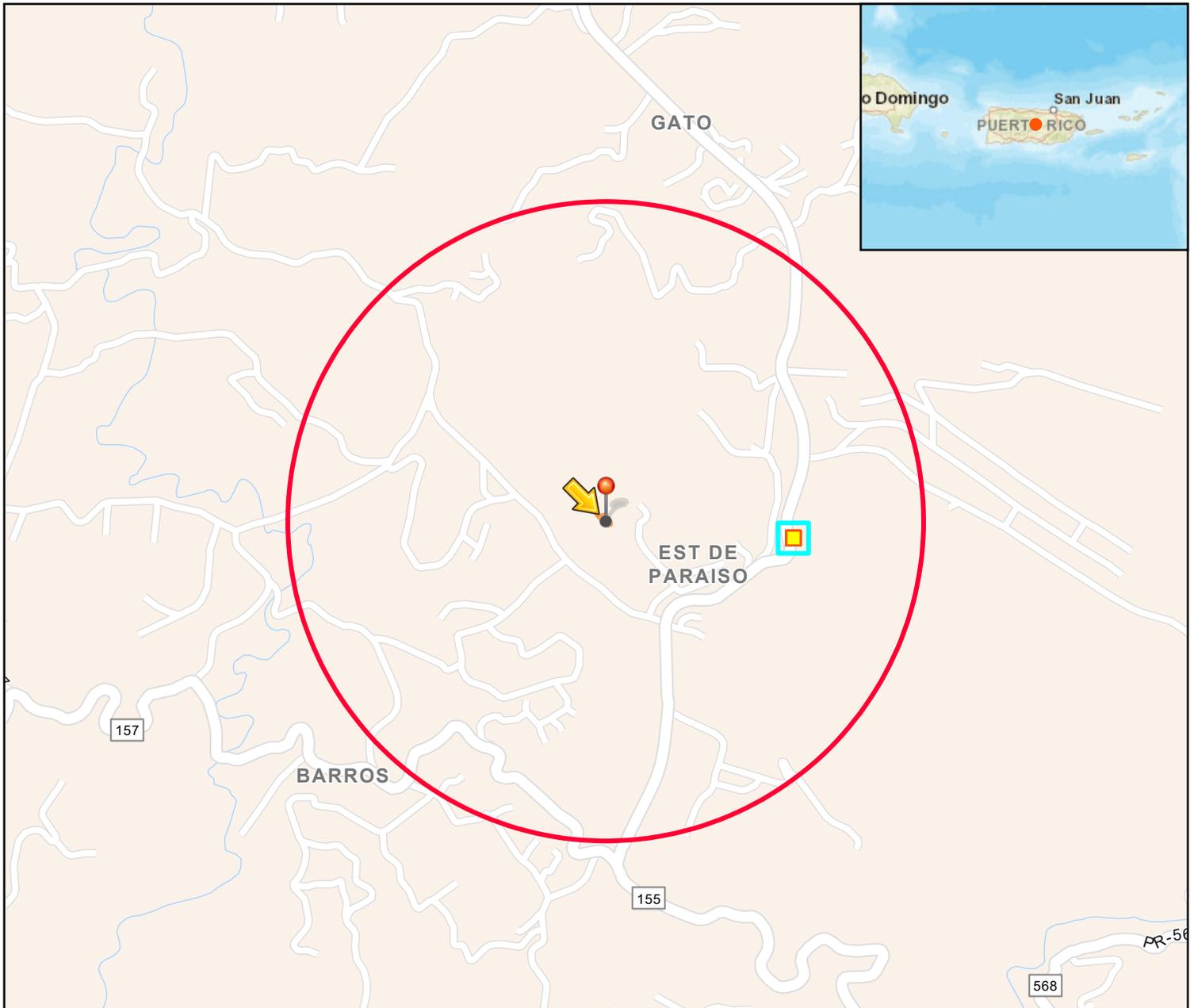
EPA

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1/16/2023 7:15 PM

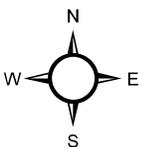
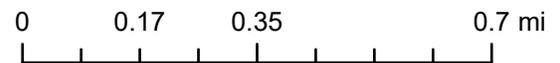


# PR-RGRW-01333 Site 2 Toxics



## Legend

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



Envirofacts Facility Locations

EPA

<https://ejscreen.epa.gov/mapper/>

1/16/2023 8:08 PM

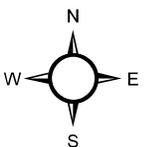
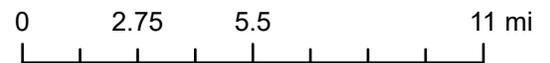


# PR-RGRW-01333 Site 1 End. Species



## Legend

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



Endangered Species Habitat

U.S. Fish and Wildlife Service

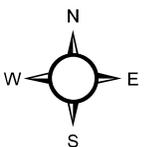
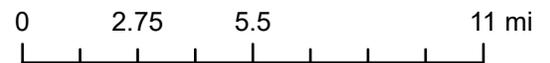


# PR-RGRW-01333 Site 2 End. Species



## Legend

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



Endangered Species Habitat

U.S. Fish and Wildlife Service

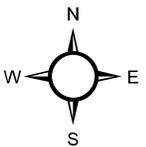
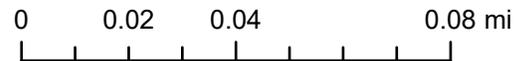


# PR-RGRW-01333 Site 1 Farmlands



## Legend

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



USGS USA Soils

Farmland dataset

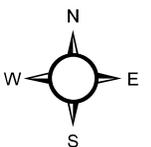
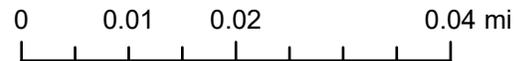


# PR-RGRW-01333 Site 2 Farmlands



## Legend

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

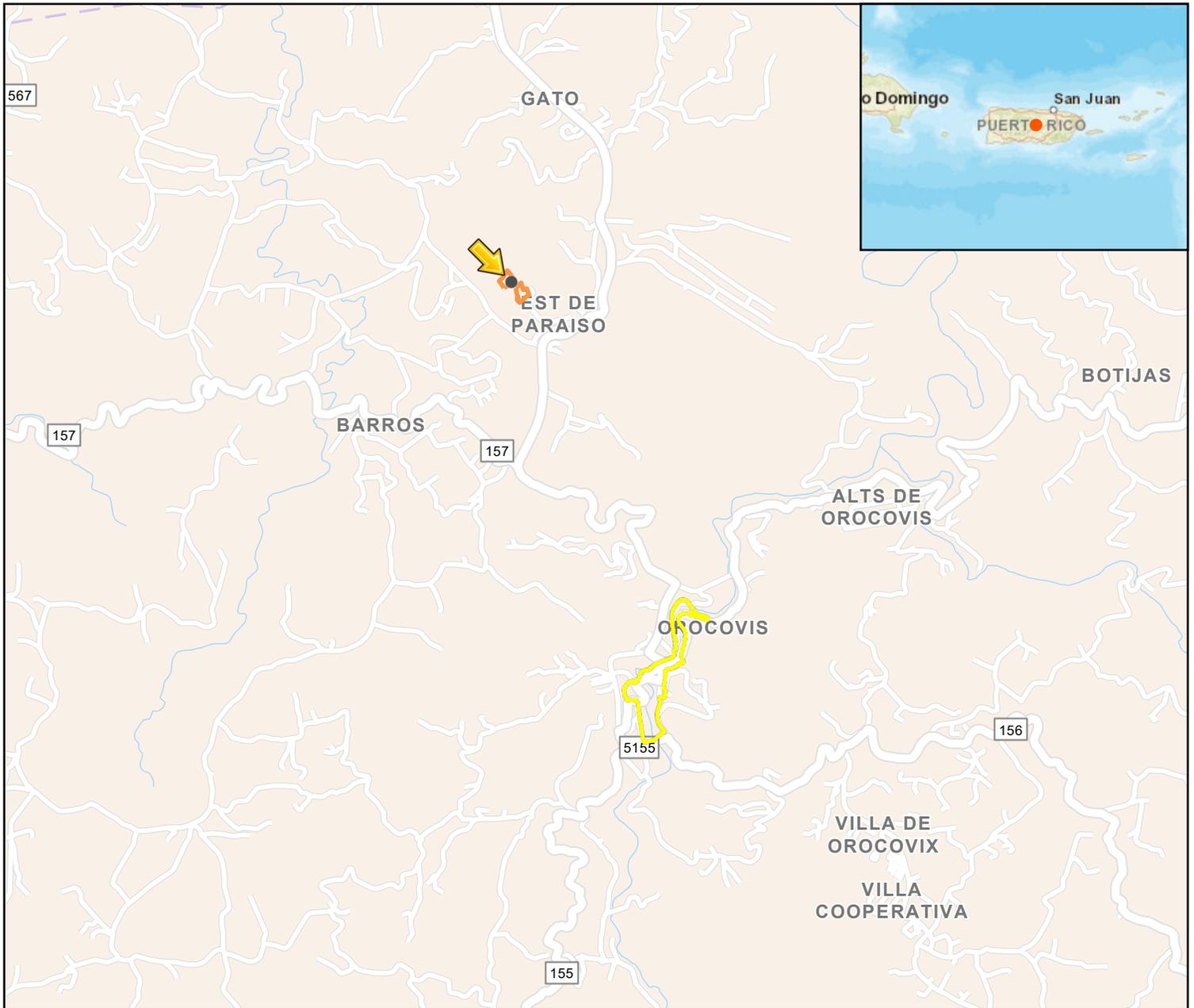


USGS USA Soils

Farmland dataset



# PR-RGRW-01333 Site 1 Historic

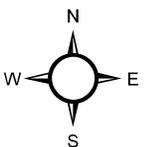
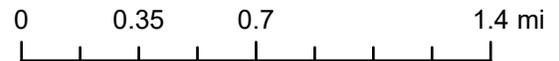


## Legend

- 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



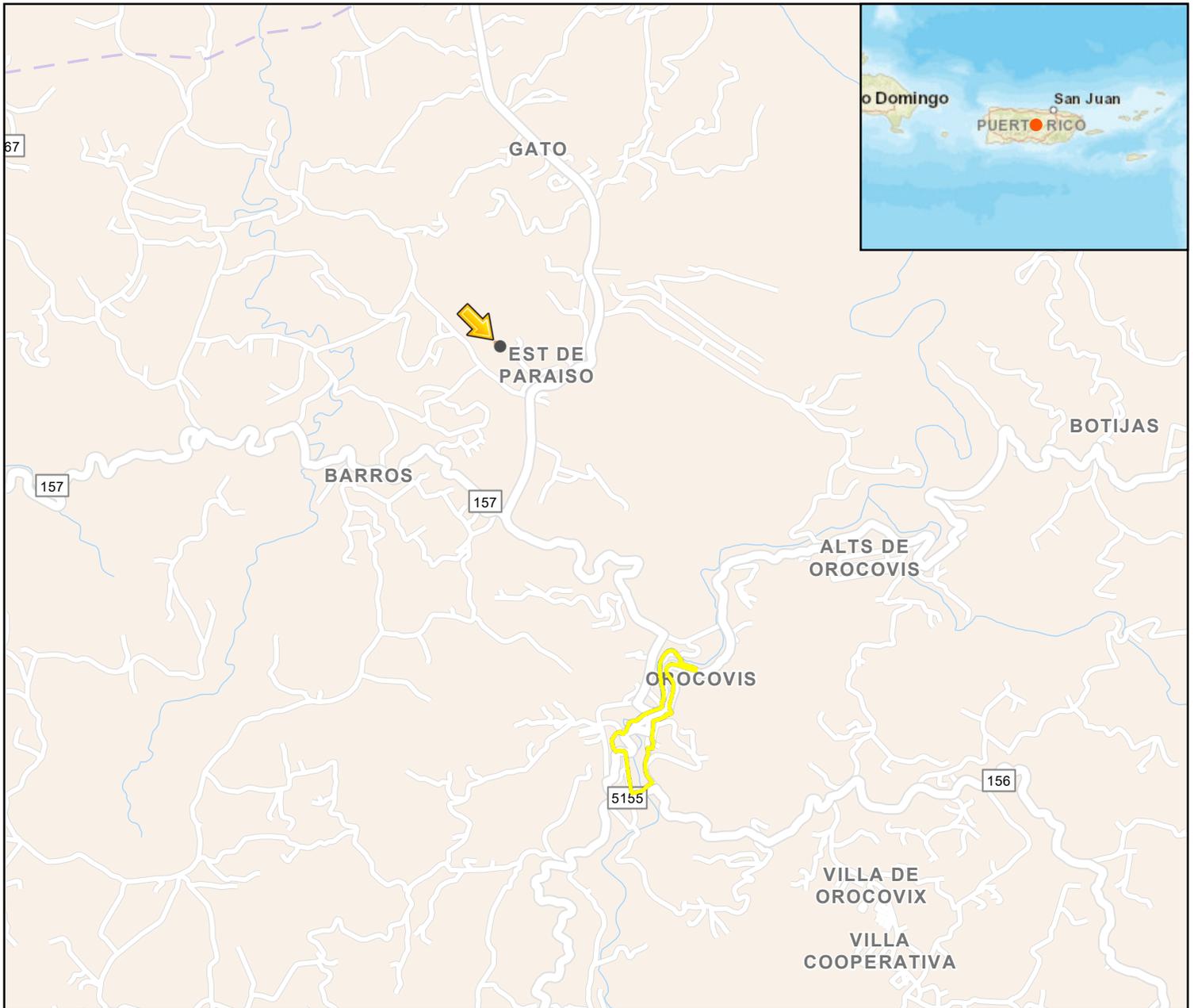
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National Register of Historic Places

Local Historic Areas digitized by Horne

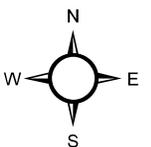
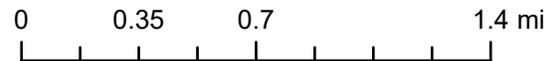


# PR-RGRW-01333 Site 2 Historic



### 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



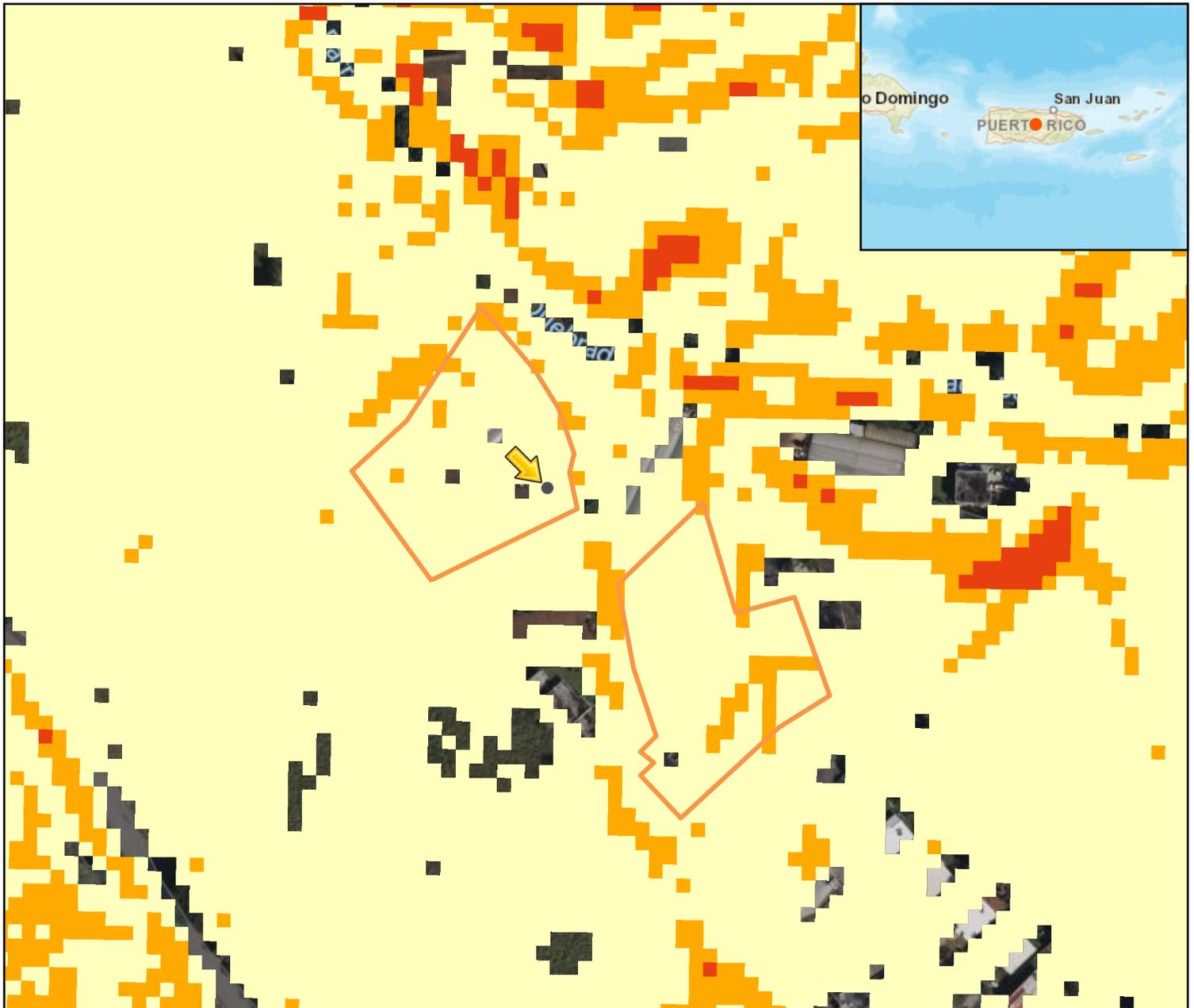
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<https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466>

National Register of Historic Places

Local Historic Areas digitized by Horne



# PR-RGRW-01333 Site 1 Landslides

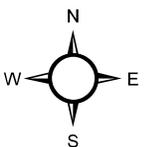


Legend

rainLSsuc

- Low
- Moderate
- High
- Very High

0 0.02 0.04 0.08 mi

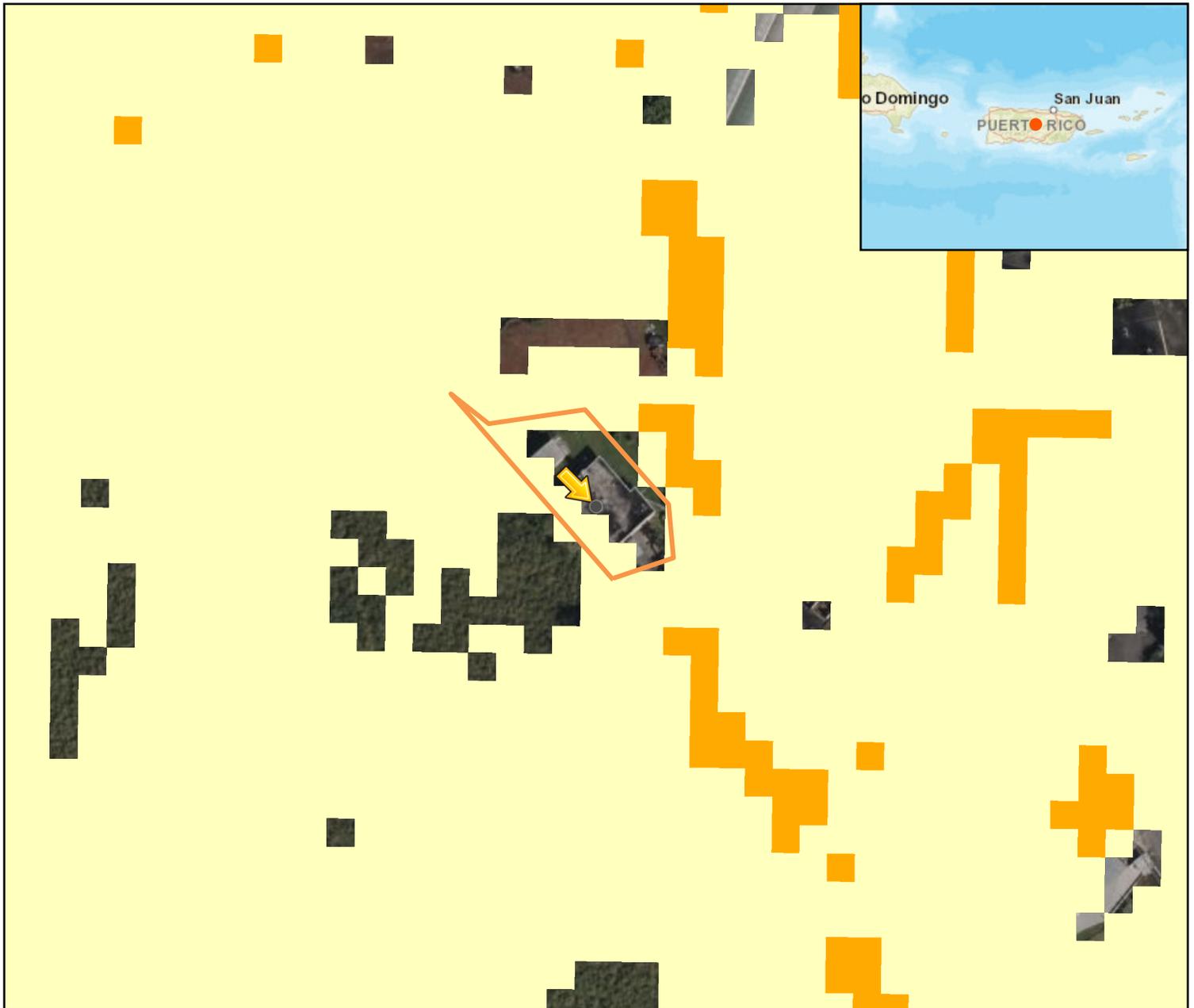


Landslide Susceptibility

USGS



# PR-RGRW-01333 Site 2 Landslides

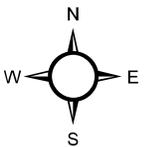


## Legend

rainLSSuc

- Low
- Moderate
- High
- Very High

0 0.01 0.02 0.04 mi

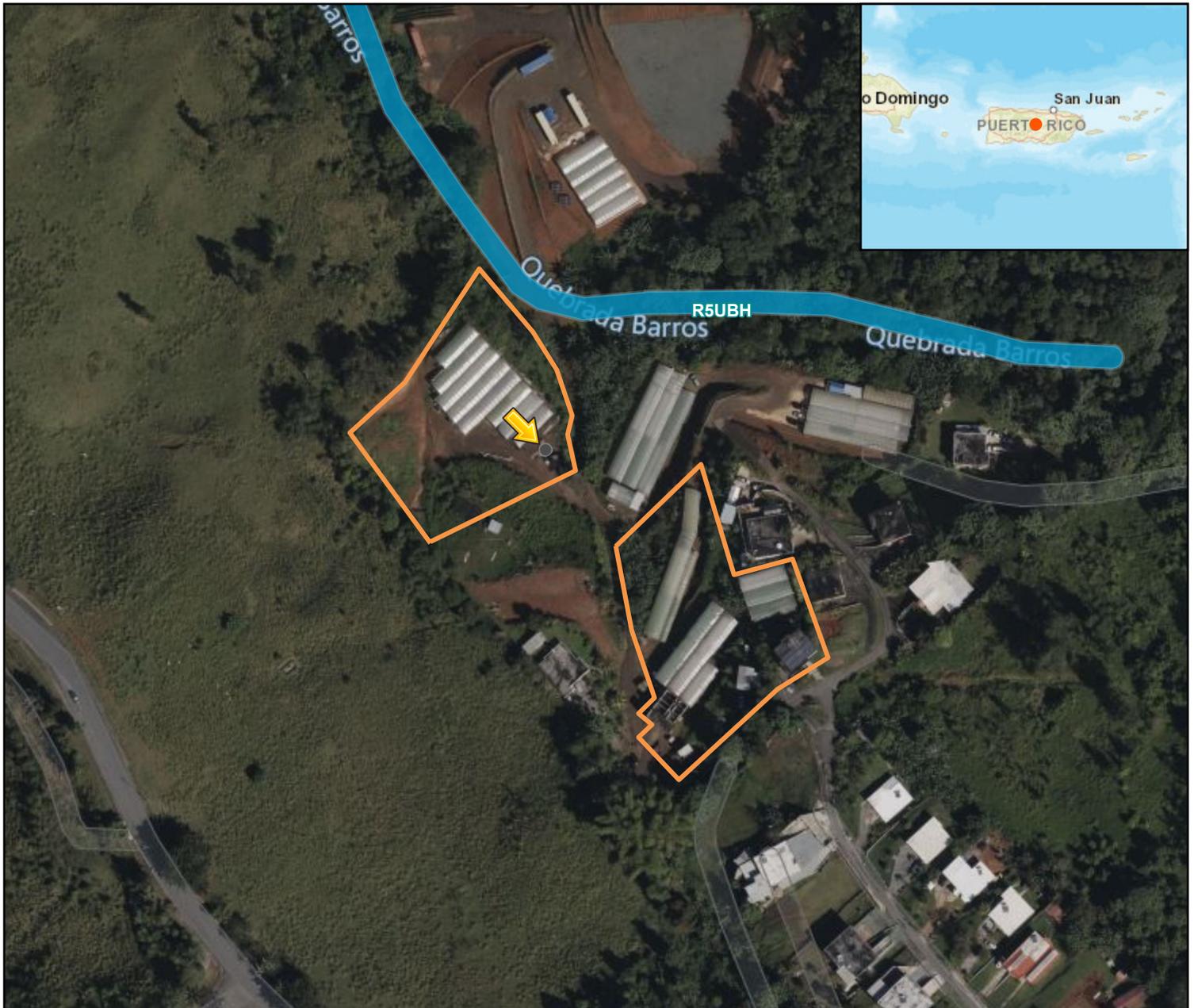


Landslide Susceptibility

USGS



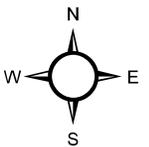
# PR-RGRW-01333 Site 1 Wetlands



## Legend

 Riverine

0 0.02 0.04 0.08 mi



National Wetlands Inventory

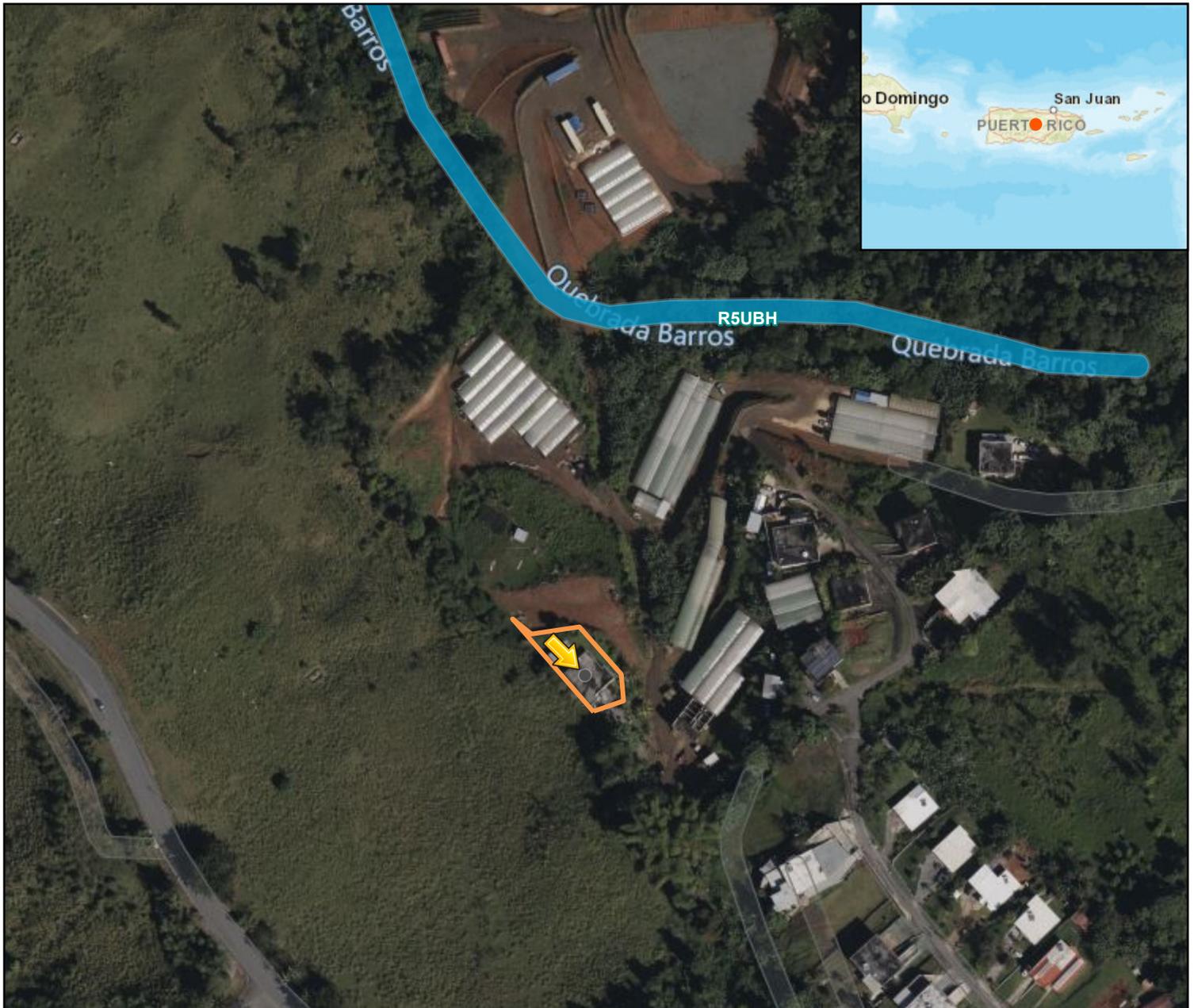
U.S. Fish and Wildlife Service

<https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>

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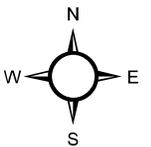
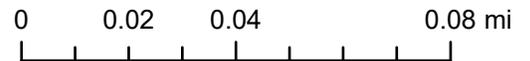


# PR-RGRW-01333 Site 2 Wetlands



## Legend

 Riverine



National Wetlands Inventory

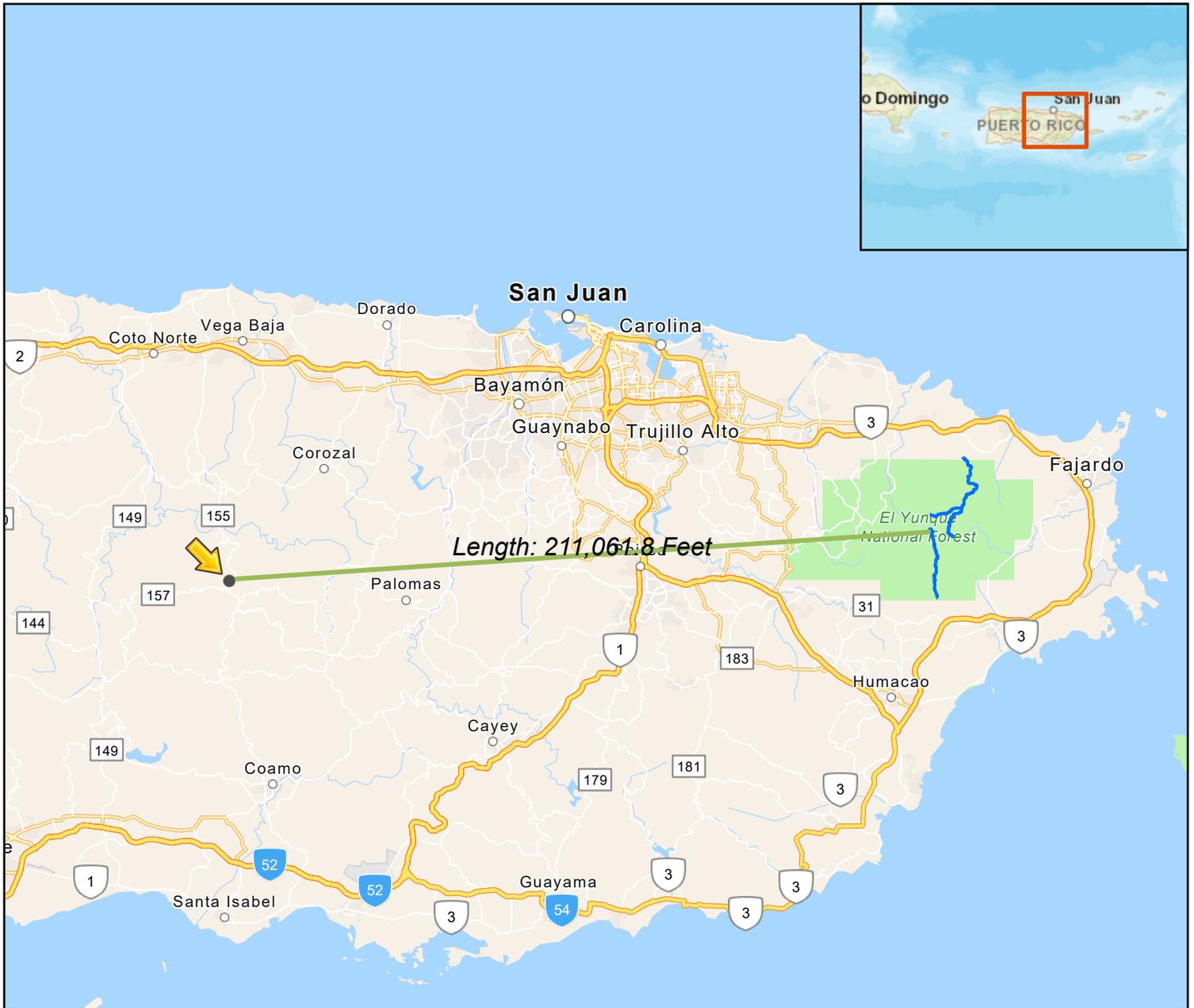
U.S. Fish and Wildlife Service

<https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>

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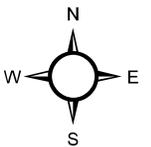
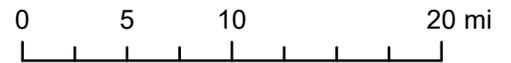


# PR-RGRW-01333 Site 1 Scenic Rivers



## Legend

— Wild and Scenic Rivers

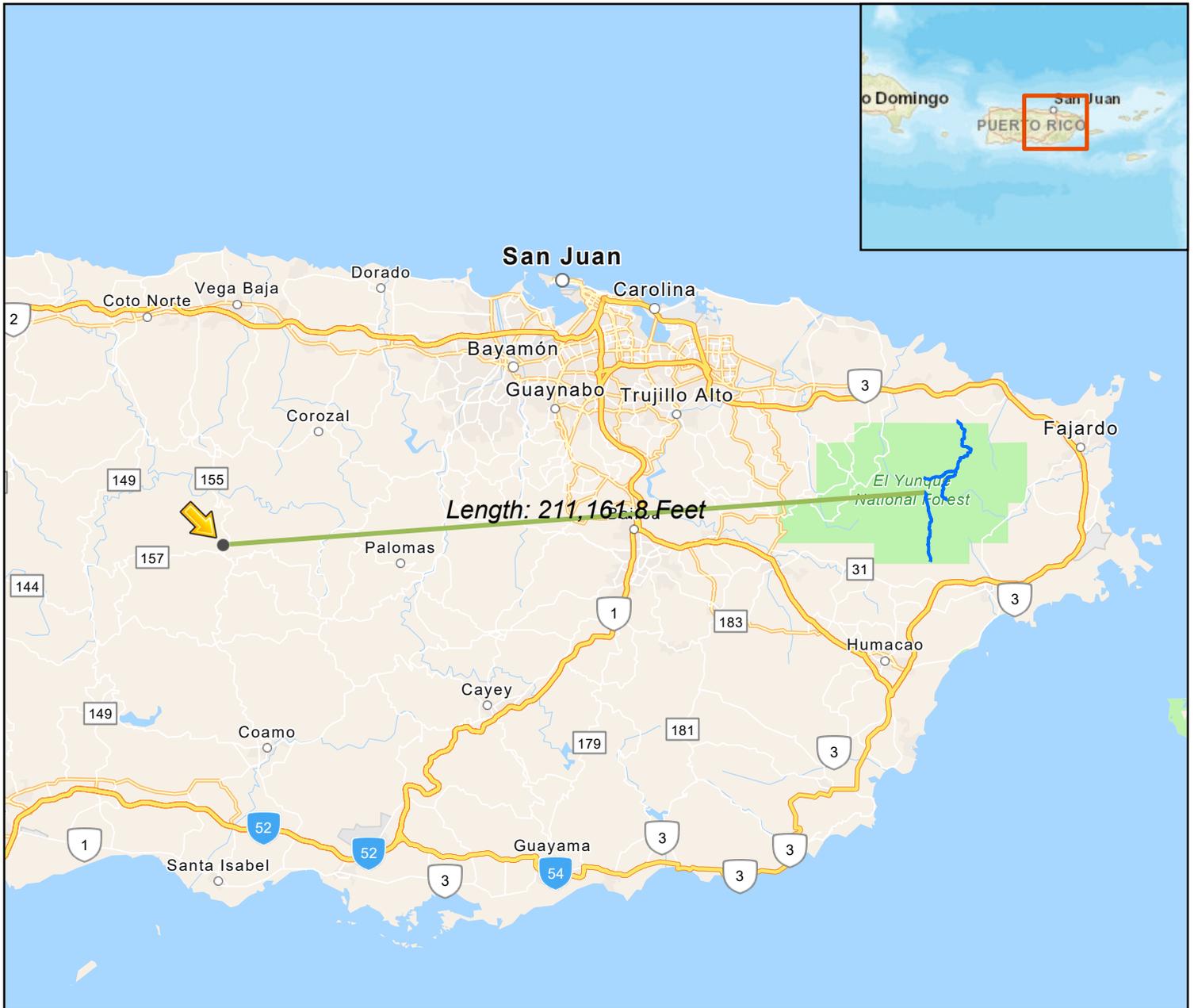


National Wild and Scenic River System

National Park Service

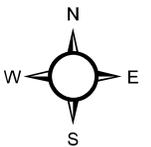
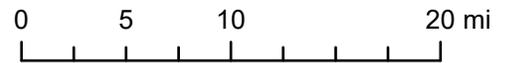


# PR-RGRW-01333 Site 2 Scenic Rivers



## Legend

— Wild and Scenic Rivers



National Wild and Scenic River System

National Park Service



## DEPARTMENT OF HOUSING RE-GROW PUERTO RICO URBAN-RURAL HOUSING PROGRAM INTENDED USE OF FUNDS FORM

I, Daniel Alvarado Collazo, authorized representative for the business DANIEL ALVARADO COLLAZO, with Case Number PR-RGRW-01333 for the Re-Grow Puerto Rico Urban-Rural Housing Program (**Re-Grow**), hereby acknowledge that grant funds in the amount of \$50,000.00 shall be expended in accordance with the use of funds outlined below.

I further acknowledge that the Intended Use of Funds Form will be used during the receipt review process to ensure compliance by means of comparison between this Form and the receipts collected during the review process.

Item	Equipment Expense Type RGRW	Unmet Need	Initials
estructura	Farm Infrastructure (Regrow Only)	\$13,500.00	D.A.C.
vehicle	Vehicles (Regrow Only)	\$37,286.75	D.A.C.

\$50,000.00  
Intended Use of Funds Total

Furthermore, I acknowledge and understand:

- That failure to adhere to the intended use of funds described in this Form may result in the repayment of funds to Department of Housing.
- That use of requested Re-Grow funds must conform to Re-Grow Program Guidelines, which outline eligible activities and allowable use of funds.
- That the Intended Use of Funds Form will be reviewed by the Re-Grow Program Team and, **if approved**, will be the official form used for the receipt review process.

Daniel Alvarado Collazo

08/12/2022

[Authorized Representative]

[Authorized Representative]

Name

Signature

Date

CaseID	Registry_ID	PGM_SYS_ID	Name	Location	Municipio	Latitude	Longitude	Type	Report	Distance	Impact
PR-RGRW-01333	110007810057	PRD982740599	PUERTO RICO INDUSTRIAL DEVELOPMENT	RD PR 155 KM 31.1	OROCOVIS	18.246345	-66.394187	RCRAINFO	<a href="https://echo.epa.gov/detailed-facility-report?fid=110007810057">https://echo.epa.gov/detailed-facility-report?fid=110007810057</a>	1599.513231	No



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 April 30, 2022

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	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	//		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	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	18 19 20 21 22	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	//		Part	52,441	72/137



## GOVERNMENT OF PUERTO RICO

STATE HISTORIC PRESERVATION OFFICE

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

January 11, 2023

**Lauren Bair Poche**

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

SHPO: 12-19-22-06 (PR-RGRW-01333) DANIEL ALVARADO COLLAZO  
LOCALIZADO EN LA CARR. 155 KM. 31.2 INT., BO. GATO, OROCOVIS, PUERTO  
RICO

Dear Ms. Bair,

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

Our records support your finding of **no historic properties affected** within the project's area of potential effects. Please note that should the Agency discover other historic properties at any point during project implementation, you should notify the SHPO immediately.

If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

  
For Carlos A. Rubio-Cancela  
State Historic Preservation Officer

CARC/GMO/IMC



December 20, 2022

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-01333** – Daniel Alvarado Collazo – Carr 155 Km 31.2 Int, Barrio Gato, Orocovis, Puerto Rico – *No Historic Properties Affected***

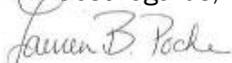
Dear Architect Rubio Cancela,

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

On behalf of PRDOH and the subrecipient, the Puerto Rico Department of Agriculture, we are submitting documentation for new construction activities proposed by Daniel Alvarado Collazo in Barrio Gato at Carr 155 Km 31.2 Int in the municipality of Orocovis. This undertaking will involve the construction of a new greenhouse. Based on the submitted documentation prepared by SOI-qualified Archaeologist Emett Jimenez Ramos, the Program requests a concurrence that a determination of No Historic Properties Affected is appropriate for this proposed project.

Please contact me by email at [lauren.poche@horne.com](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> PR-RGRW-01333		
<b>Case ID:</b> Daniel Alvarado Collazo		<b>City:</b> Orocovis

<b>Project Location:</b> Carr 155 Km 31.2 INT, Barrio Gato, Orocovis, Puerto Rico	
<b>Project Coordinates:</b> 18.247485, -66.399332	
<b>TPID (Número de Catastro):</b> 193-000-009-78	
<b>Type of Undertaking:</b> <input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b> n/a	<b>Property Size (acres):</b> 2.59 acres

<b>SOI-Qualified Architect/Architectural Historian:</b> n/a
<b>Date Reviewed:</b> n/a
<b>SOI-Qualified Archaeologist:</b> Eminett Jimenez, M.A.
<b>Date Reviewed:</b> 12/7/2022

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 new greenhouse. Based on a review of aerial imagery, the proposed construction site (greenhouse) is on a previously steep hill that was a series of orchards.

Between June 2018 and January 2019, the area was cut, the ground leveled, and eight greenhouses were constructed in the northwestern portion of the cut area. The proposed undertaking is the construction of the ninth greenhouse, adjacent to the south of the existing buildings. As it is proposed some additional minor leveling will be required for the construction of the new greenhouse and the installation of the tables and equipment that will be placed inside. The soils within the project area consist of red loam clay with karstic rock exposed. Ground disturbance will be limited to minor surface leveling, the installation about half a dozen pipes to be installed as support for the greenhouse on a previously impacted, sloped area.

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

- Releveling the ground surface before the construction of the greenhouse
- Greenhouse or High tunnel, as described by the owner, will measure 72 x 30 feet, and will include the following:
  - Arches of 1 1/4
  - Pillars 2"

<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> PR-RGRW-01333	
<b>Case ID:</b> Daniel Alvarado Collazo	<b>City:</b> Orocovis

- Tubes 1" X 1" and 1" x 2"
- Aluminum rods with wires
- Grow bars
- Front tubes
- Plastic cover for Saran roof on sides and front of 50%
- Screws
- Door 6' X 8'

**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 footprint of the proposed location of the greenhouse and associated infrastructure (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 existing 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 are present within or adjacent to the parcel containing the project APE.

Orocovis is an area with a relatively high presence of sites, especially of caves with petroglyphs and petroglyphs reported along the water bodies. Overall, Orocovis is not a highly developed area; therefore, there is a paucity of cultural resource studies and information available. The closest previously identified cultural resource is Orocovis 14, a significant Pre-Columbian site with a Batey (OR-14) located 0.50 miles south of the APE.

Adjacent to the APE, eight greenhouses were constructed starting in late 2018 and planted with lettuce, mint, and spearmint. The first constructed building is present in January 2019 aerial imagery but is absent from the July 2018 imagery; the remaining seven buildings are present or under construction by January 2021. No additional improvements to the existing greenhouses are included within the scope of work for this Undertaking.

There are no previously identified historic properties within a ½ mile radius of the project area. One archaeological study is reported within a ½ mile of the project area: a Phase

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>REGrow PUERTO RICO PROGRAM</b> <b>Section 106 NHPA Effect Determination</b>	 <small>GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING</small>
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IA-IB prepared by archaeologist Eduardo Questell in September 2010 under the project name Estancias María del Amparo with negative results, located 0.04 miles east from the APE.

**Summary of Site Visit**

Observations noted following a site visit by an SOI-qualified archaeologist confirm that ground-leveling activities have altered the landscape. Before these alterations, the general APE had been used for agriculture activities for decades. The applicant has not encountered or has no recollection of artifacts or bateyes reported in the project area or nearby. The closest water source, the Rio Quebrada Barros, is 0.3 miles northwest of the APE. A pedestrian survey of the APE was conducted, starting in the southwest portion of the APE to the northeast. The observed soils consisted of thick red clay. The characteristics of the natural topography where the slope of the APE is excessive are considered unsuitable for a prehistoric settlement. During the survey, no cultural material was observed in the area to be impacted. Therefore, there is a low probability of finding cultural resources within the APE.

**Determination:**

Based on the observations made during the site visit, the characteristics of the project area, evidence of previous ground disturbance, the lack of archaeological and historical sites, and with a negative previous investigations research report, the proposed greenhouse construction will have no effect on any historic properties. First, no previously identified historic properties or archaeological sites are located in or near the proposed project area. Second, there are no previous studies indicating archaeological sensitivity. Third, the soil type and the (natural) excessively steep slope of the area are considered unsuitable for prehistoric settlements. Fourth, the impacts on the natural topography by the leveling within the APE have disturbed the original ground surface. Finally, during the site visit inspection, the above conclusions about the topography and soils were verified, and no cultural resources were observed. As such, no historic properties will be affected by the proposed project.

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**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): n/a
- Adverse Effect  
     Proposed Resolution (if applicable)

**This Section is to be Completed by SHPO Staff Only**

The Puerto Rico State Historic Preservation Office has reviewed the above information and:  <input type="checkbox"/> <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

RE-GROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: PR-RGRW-01333

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City: Orocovis

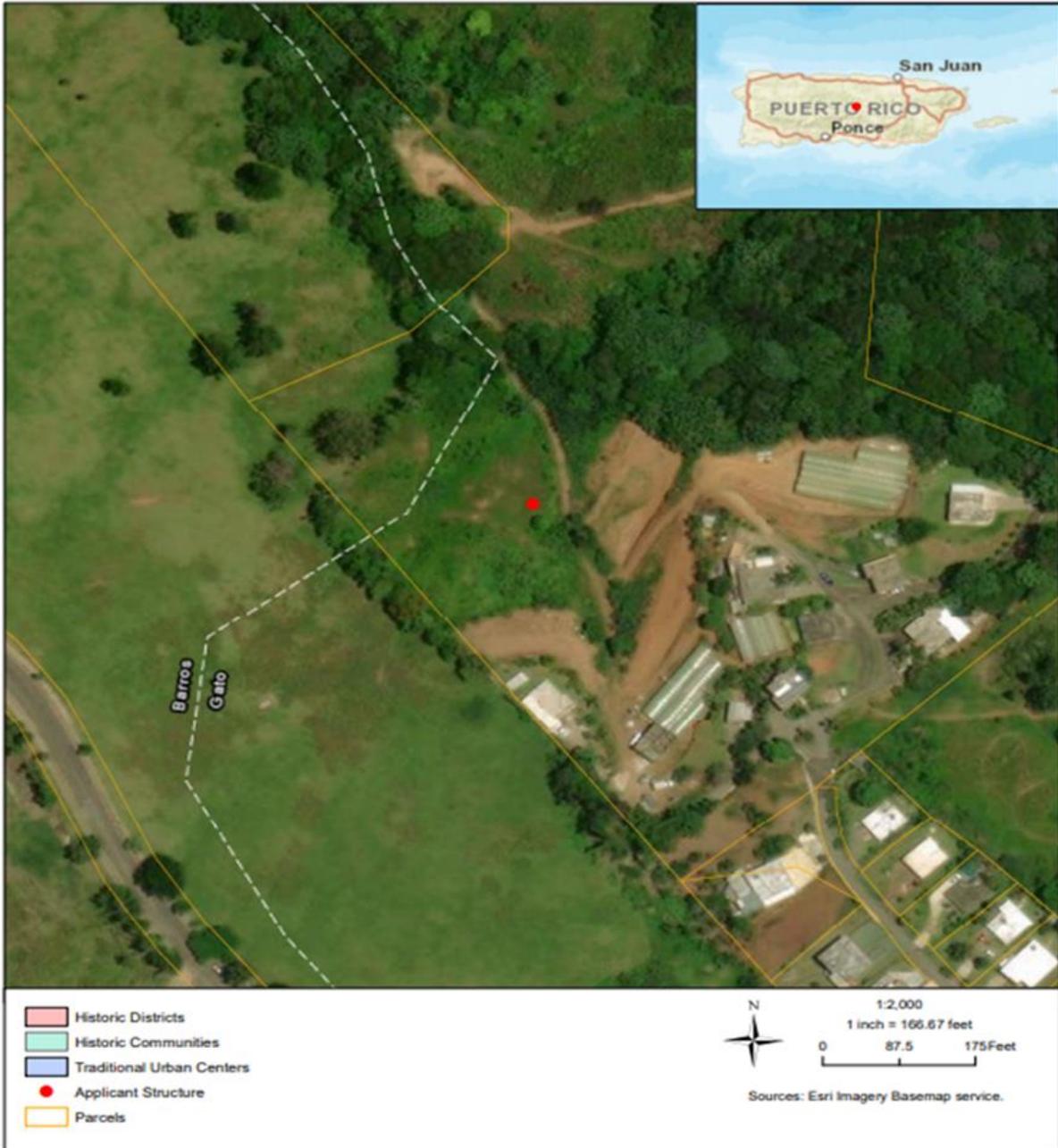
### Historic Properties - Aerial Base Puerto Rico Department of Housing Re-Grow Program

Latitude: 18.2475  
Longitude: -66.3993



Application ID#: PR-RGRW-01333

Address: Carr 155 Km 31.2-31.5, Bo. Gato, Orocovis, PR 00720



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**Area of Potential Effect Map (Aerial)**



Aerial Base Source: Google Earth Pro

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### Project Location - Topographic Base

Puerto Rico Department of Housing

Re-Grow Program

Latitude: 18.3520

Longitude: -66.8056



Application ID#: PR-RGRW-01674

Address: Carretera 129 Km 27.5 INT 449 Bo Bayaney Sector Las Finquitas, Hatillo, PR 00659



Subrecipient: PR-RGRW-01333

Case ID: Daniel Alvarado Collazo

City: Orocovis

### Soils



Source: USDA Web Soil Survey (<https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>)

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



Aerial Base Source: Google Earth Pro

- Red outline - Previous investigation
- Red pin – Known archaeological site

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**Photo 1**

**Description (include direction):**

Drone Imagery looking down on APE, photo oriented to northeast.

**Date:** November 2022

Subrecipient: PR-RGRW-01333

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Photo 2

**Description (include direction):**

Drone Imagery, closeup of APE, photo oriented to northeast.

**Date:** November 2022

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**Photo 3**

**Description (include direction):**

Drone Imagery with west to the top of the photo. Aerial overview of the APE focusing on the area where the greenhouse will be installed.

**Date:** November 2022

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Photo 4

**Description (include direction):**

Drone Imagery facing south. Aerial overview of the APE. Note the road cut to the north into the mountain to level the area.

**Date:** November 2022

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**Photo 5**

**Date:** November 2022

**Description (include direction):**

Overview of the APE, facing northeast where the greenhouse will be placed.

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**Photo 6**

**Date:** November 2022

**Description (include direction):**

Photo facing the northwest along the private drive cutbank to the right and front. APE is to the right.

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Photo 7

**Description (include direction):**

Photo facing the southeast. Note the cutbank to the right with exposed soil. The APE is to the left in the background.

**Date:** November 2022

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**Photo 8**

**Description (include direction):**

Photo taken facing west of the cut bank to the south of the APE.  
Note the exposed soil in the cut bank.

**Date:** November 2022

Subrecipient: PR-RGRW-01333

Case ID: Daniel Alvarado Collazo

City: Orocovis



**Photo 9**

**Date:** November 2022

**Description (include direction):**

Drone imagery with southwest at the top of the photograph. View from the northeast corner of the APE. Note the the incline on the northeast limit of the APE and the recently destroyed curbing.



October 20, 2022

**Arch. Carlos A. Rubio Cancela**

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

**Re: Authorization to Submit Documents**

Dear Arch. Rubio Cancela:

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

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

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

Cordially,

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

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT