

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

Project Information

Project ID: PR-RGRW-01674

Project Name: Rafael A Berrios / DBA Caribbeans's Best Harvest

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 Hatillo

Preparer: Steve Swick, RPG

Certifying Officer Name and Title: Ivelisse Lorenzo Torres, Permit and Environmental
Compliance Officer

Consultant (if applicable): HORNE LLP

Direct Comments to: infoCDBG@VIVIENDA.PR.GOV

Project Location: Carr 129 Km 27.5 INT 449 Bo Bayaney Sector Las Finquitas, Hatillo, PR 00659.

Latitude 18.351980, longitude -66.805560

Parcel cadastral # 103-062-317-05-000

Description of the Proposed Project [24 CFR 58.32; 40 CFR 1508.25]: The project includes purchase and installation of a replacement greenhouse and seven tables for the crops at the location of a former green house and the repair of another greenhouse. Figure A illustrates the location of the replacement greenhouse with a green box and the location of the greenhouse to repair with an orange box. The intended use of grant funds is documented in Appendix A.

Based on a review of aerial imagery, the proposed location of the new greenhouse was a previously steep forested hillside that was leveled prior to the construction of greenhouse that were damaged by the hurricane events of 2017. The greenhouse structures in the western half of the parcel were constructed between 2006 and 2009, while the greenhouses within the eastern half of the parcel were constructed between 2009 and 2012.

Following the hurricane events of 2017, several greenhouses on the property were damaged; two were previously repaired, but one still needs repairs and the greenhouse on the eastern edge of the parcel remains in ruins. As it is proposed, no new ground leveling will be required to reconstruct the greenhouse or to install the structure and tables. Ground disturbance for the construction of the new greenhouse will be limited to the clearing of remaining debris from the storm-damaged structure, vegetation clearing, and the installation of six anchor pipes to provide support for the new greenhouse. No ground disturbing activities are anticipated for the repairs to the other greenhouses on the parcel.

Overview of proposed scope of work:

- Removal of debris, weeds, and materials in the area and reconstruction of a greenhouse with dimensions of 96 x 30 feet (no foundation, placed on bare ground) (green box on Figure A).
 - Arches 8 foot
 - Thresholds
 - Pillars 2 inches
 - Tubes 1-inch diameter and 2.5 feet deep
 - Aluminum rods with wires
 - Grow bars
 - Galvanized tubes 1-inch and 2-inch by 20 feet
 - Plastic cover for saran roof
 - PVC pipes

- Repair greenhouse measuring 94 x 36 feet (orange box on Figure A) with no ground disturbance.

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

Grant Number	HUD Program	Funding Amount
B-17-DM-72-0001 and B-18-DP-72-0001	CDBG-DR, Re-Grow Puerto Rico Urban-Rural Agriculture Program	\$41,279,480

Estimated Total HUD Funded Amount: \$48,193.60

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$48,193.60

Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities

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

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	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 117,686 feet away. The project is in compliance with Airport Hazards requirements. See the attached Airports map (Figure 1).
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not located in a CBRS Unit. It is 47,707 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 map (Figure 2).
Flood Insurance 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 72000C0585H, 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 Map (Figure 3).
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5		

<p>Air Quality</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>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>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>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 47,437 feet from the coastal zone (Figure 4). The project is in compliance with the Coastal Zone Management Act.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 58.5(i)(2)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Site contamination was evaluated through online data search and no toxic sites are 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 map (Figure 5).</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>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 map (Figure 6). 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</p>

		and Environmental Resources and ask for them to relocate the Boa.
Explosive and Flammable Hazards 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.
Farmlands Protection 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 map (Figure 7).
Floodplain Management 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 map (Figure 8).
Historic Preservation 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 (Appendix C). Architectural History clears on PA Allowance of Appendix B, Tier I, Allowance B.1. Archaeology is cleared by SHPO.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet	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.

Communities Act of 1978; 24 CFR Part 51 Subpart B		The project is in compliance with HUD's Noise regulation.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	There are no sole source aquifers in Puerto Rico. The project is in compliance with this citation without further evaluation.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	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 map (Figure 9).
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is not within the proximity of a NWSRS river. The nearest Wild and Scenic River is over 67 miles east of the project site. Therefore, this project is in compliance with the Wild and Scenic Rivers Act. See the attached map (Figure 10).
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	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.

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

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

(1) Minor beneficial impact

(2) No impact anticipated

(3) Minor Adverse Impact – May require mitigation

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	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 (Figure 11).
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
SOCIOECONOMIC		
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 Hatillo, PR. The project may allow for displaced community members to return to agricultural activities.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
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 require additional water supply but not from a municipal water supply. The water will come from onsite water wells. The amount of water needed to irrigate the agriculture associated with the greenhouse would not cause an undue burden on the aquifer associated with the private water well.
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
NATURAL FEATURES		
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.
Climate Change		The proposed project will not have any impact on climate change.

Additional Studies Performed: Not applicable

Field Inspection (Date and completed by): November 2022, Eminent 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/npia/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

National Park Service, National Registry of Natural Landmarks.
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

Puerto Rico Community Development Block Grant Disaster Recovery Action Plan, July 2018. 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?Dockkey=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

US EPA, Environmental Topics, Air Topics: 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 (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 materials 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 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

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: 2/13/2023

Name/Title/Organization: Steve Swick, RPG; Senior Manager; HORNE LLP

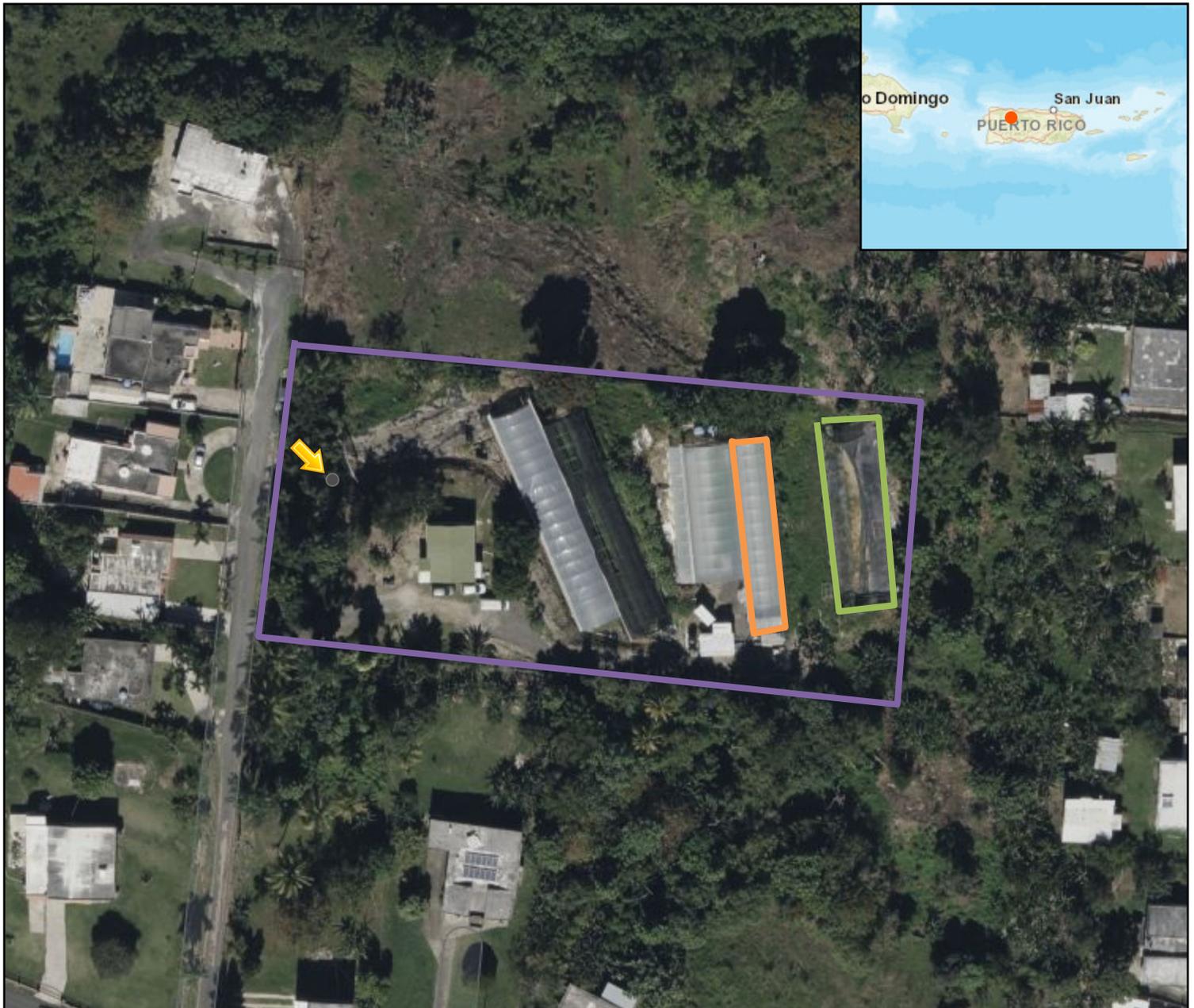
Certifying Officer Signature:  Date: [Feb. 1, 2023](#)

Name/Title: [I. Lorenzo, Permits and Environmental Compliance Specialist](#)

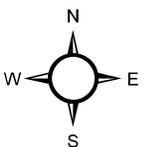
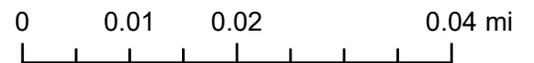
This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).



Figure A: PR-RGRW-01674 Site



Legend



----- Purple line - parcel boundary

----- Orange line - renovation greenhouse

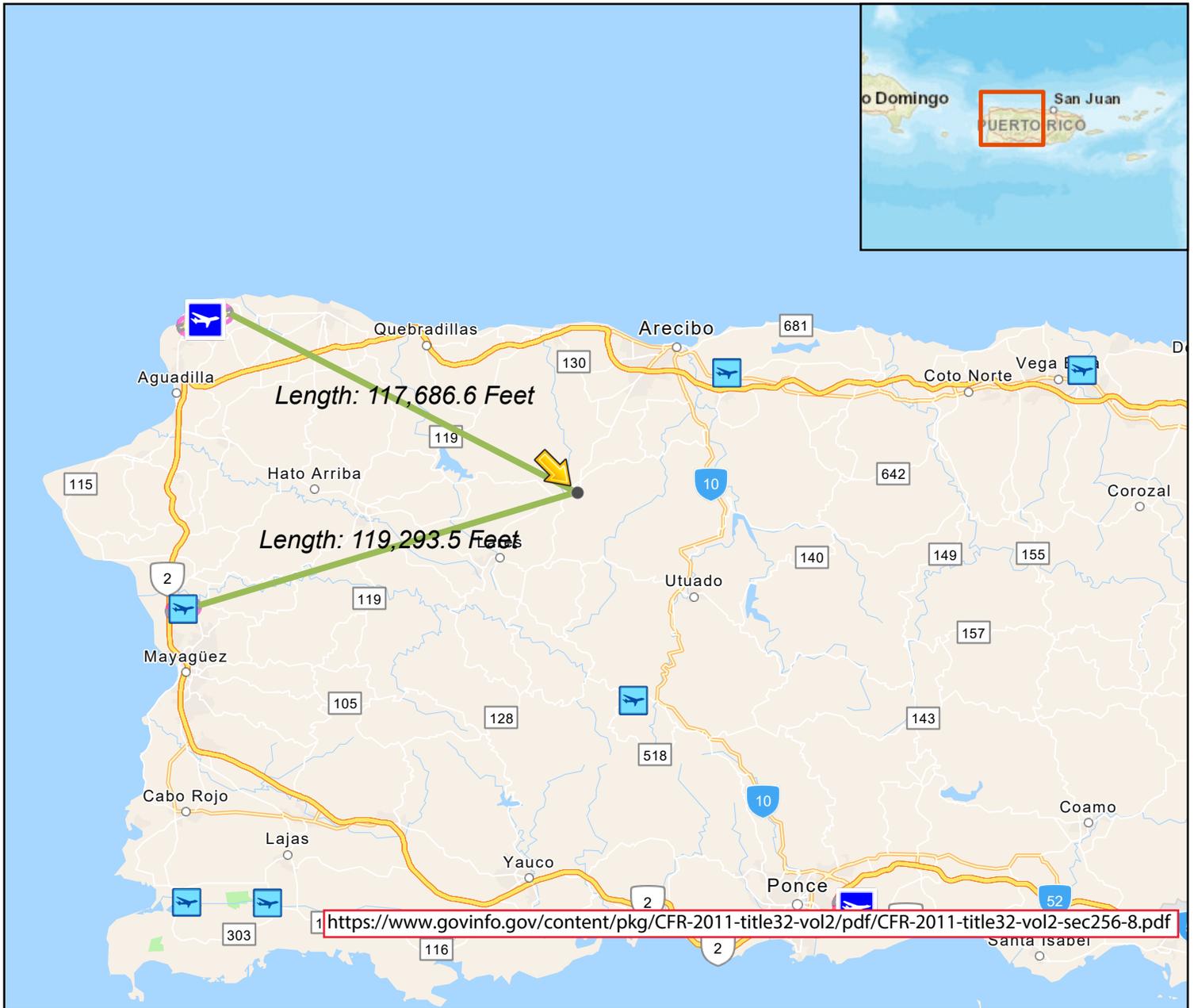
----- Green line - replacement greenhouse

Green = New greenhouse

Orange = Repair greenhouse



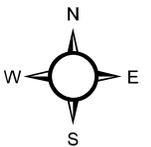
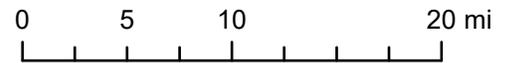
Figure 1: PR-RGRW-01674 Airports



<https://www.govinfo.gov/content/pkg/CFR-2011-title32-vol2/pdf/CFR-2011-title32-vol2-sec256-8.pdf>

Legend

- 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

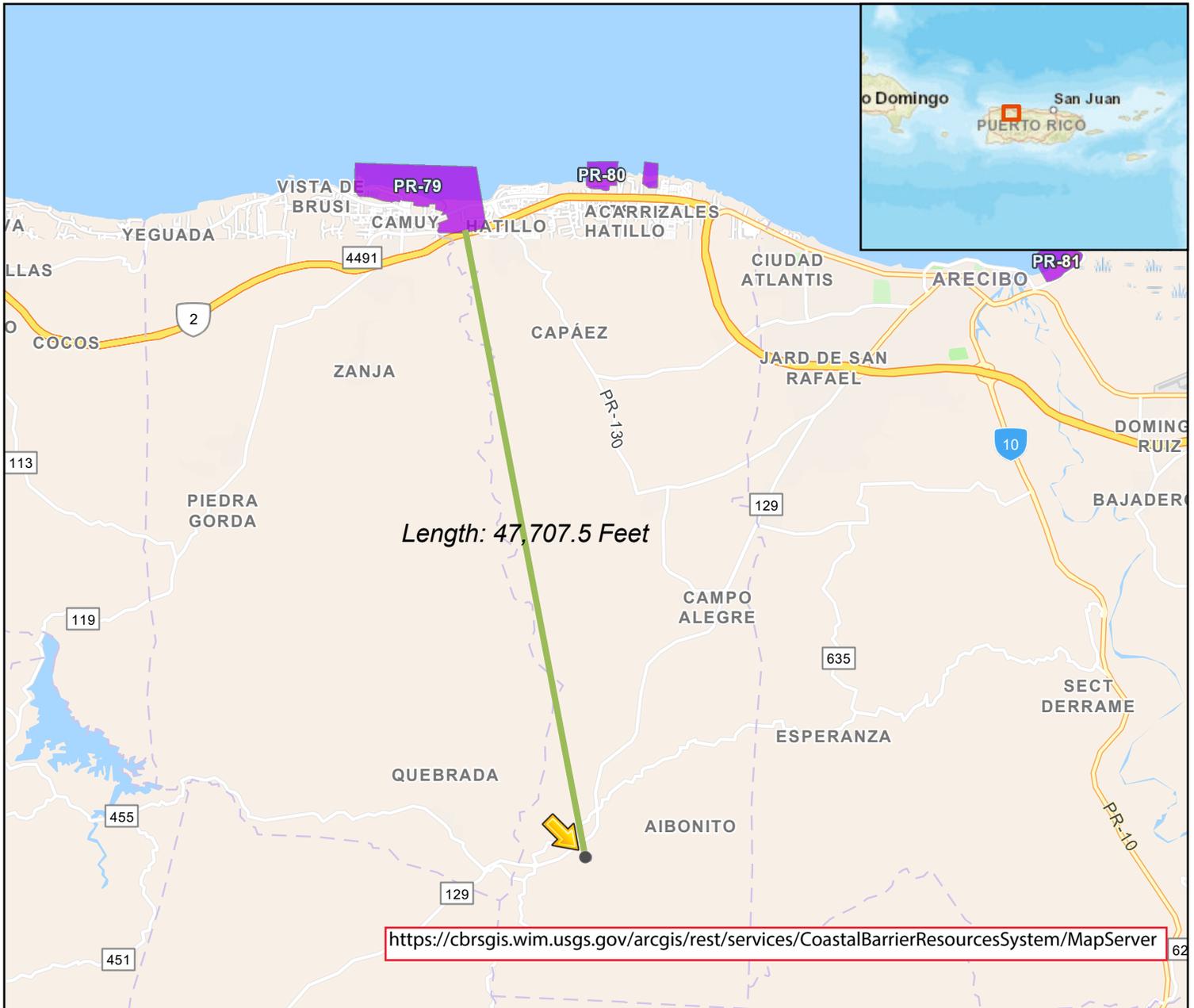


Runway Protection Zones

Major Civil and Military Airports

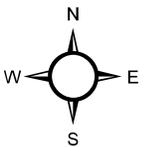
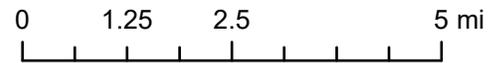


Figure 2: PR-RGRW-01674 CBRS



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- Otherwise Protected Area
- System Unit

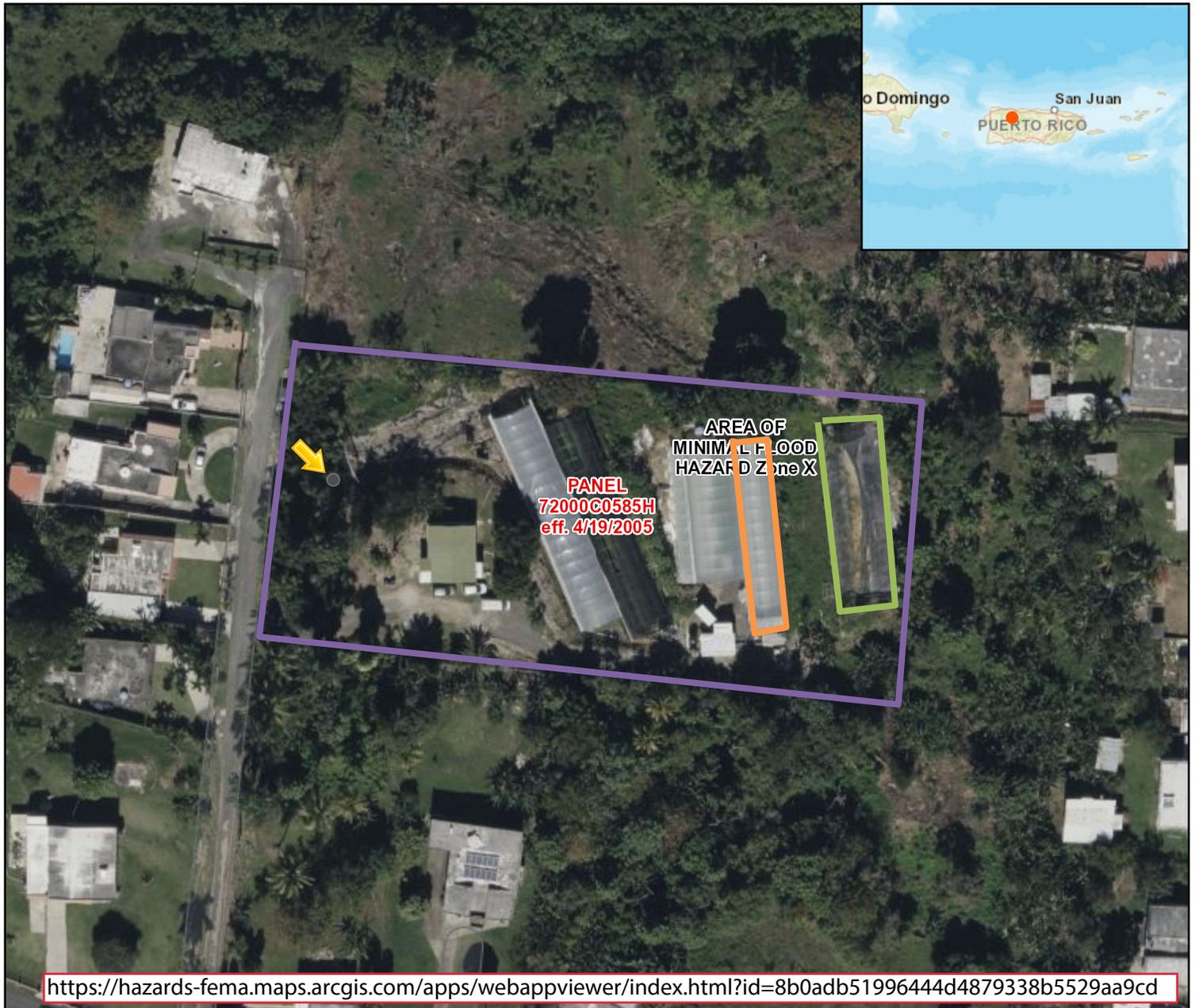


U.S. Fish and Wildlife Service

Coastal Barrier Resources Act Program



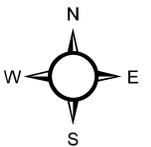
Figure 3: PR-RGRW-01674 Flood



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- 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

0 0.01 0.02 0.04 mi



FEMA Map Service

Flood Insurance Rate Maps

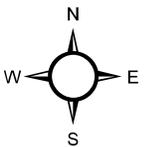
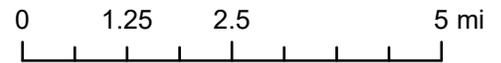


Figure 4: PR-RGRW-01674 CZM



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 Coastal Zone Management Act Boundary

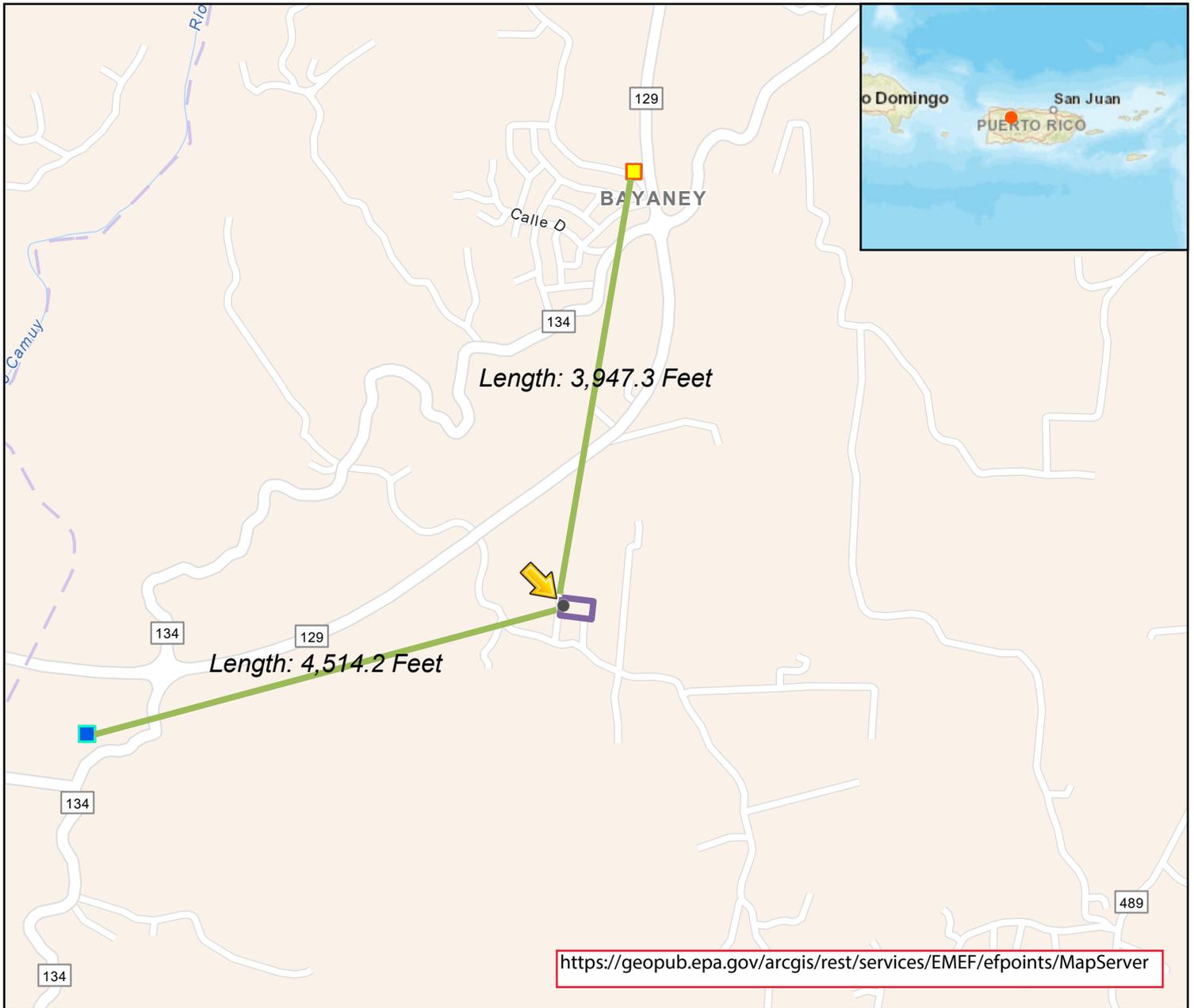


Coastal Zone Management Act

NOAA

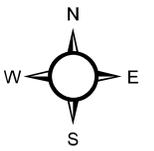
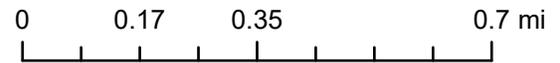


Figure 5: PR-RGRW-01674 TOXICS



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

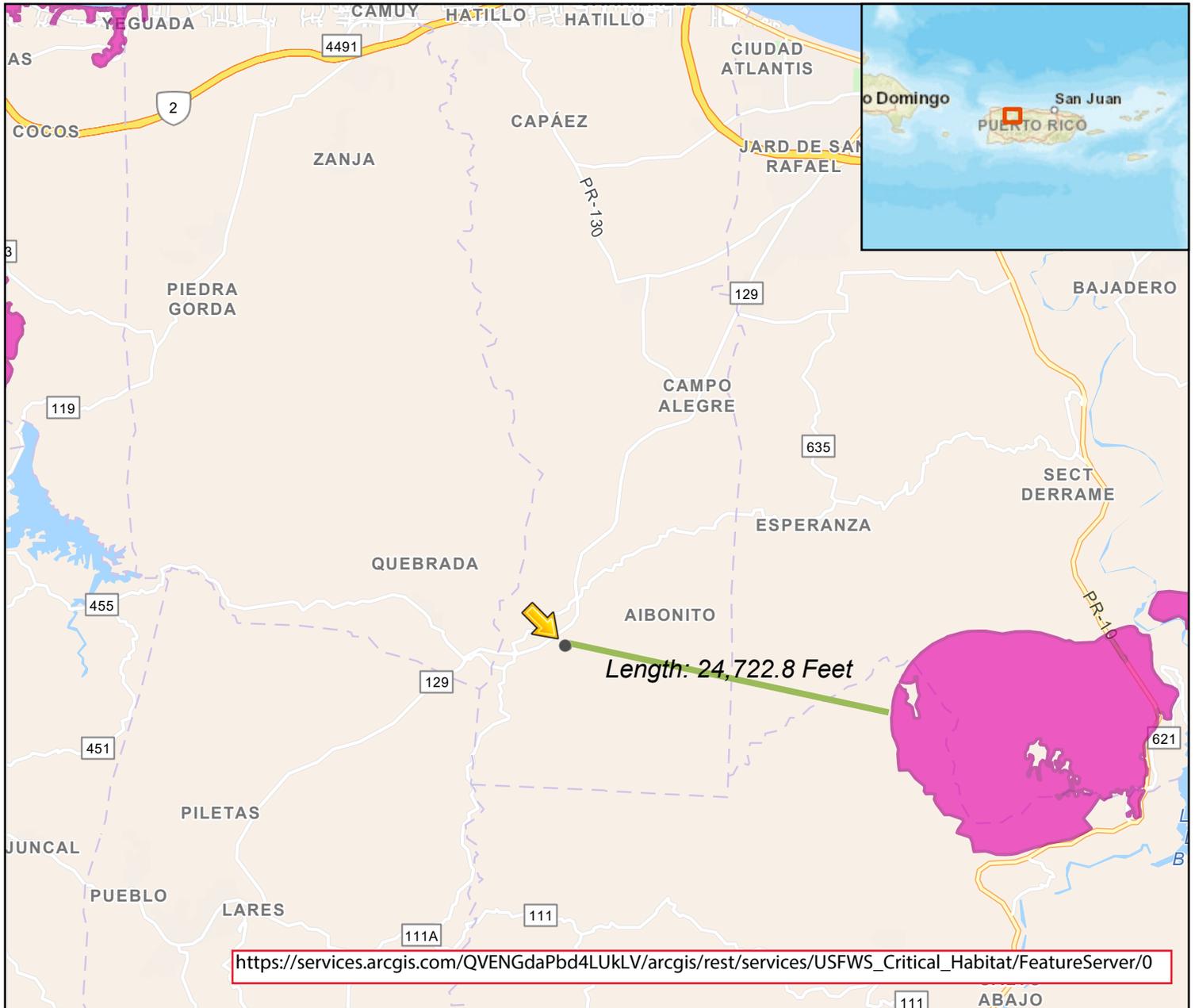


Toxic Sites

EPA

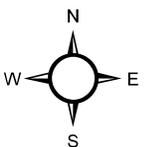
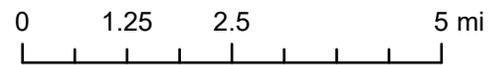


Figure 6: PR-RGRW-01674 Critical Habitat



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

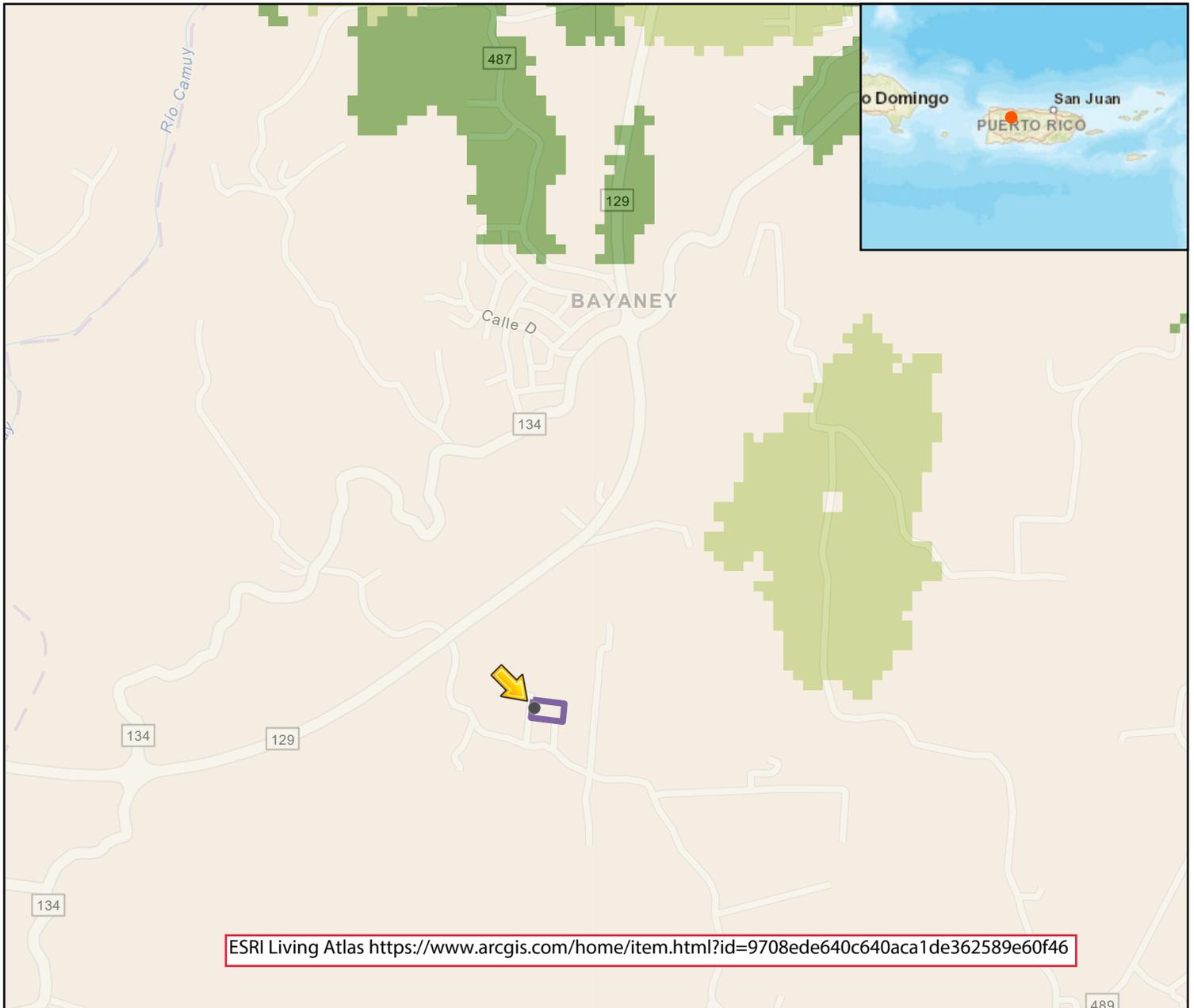


U.S. Fish and Wildlife Service

Critical Habitat

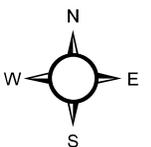
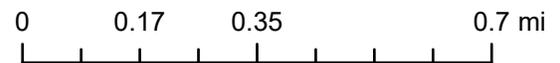


Figure 7: PR-RGRW-01674 Farmlands



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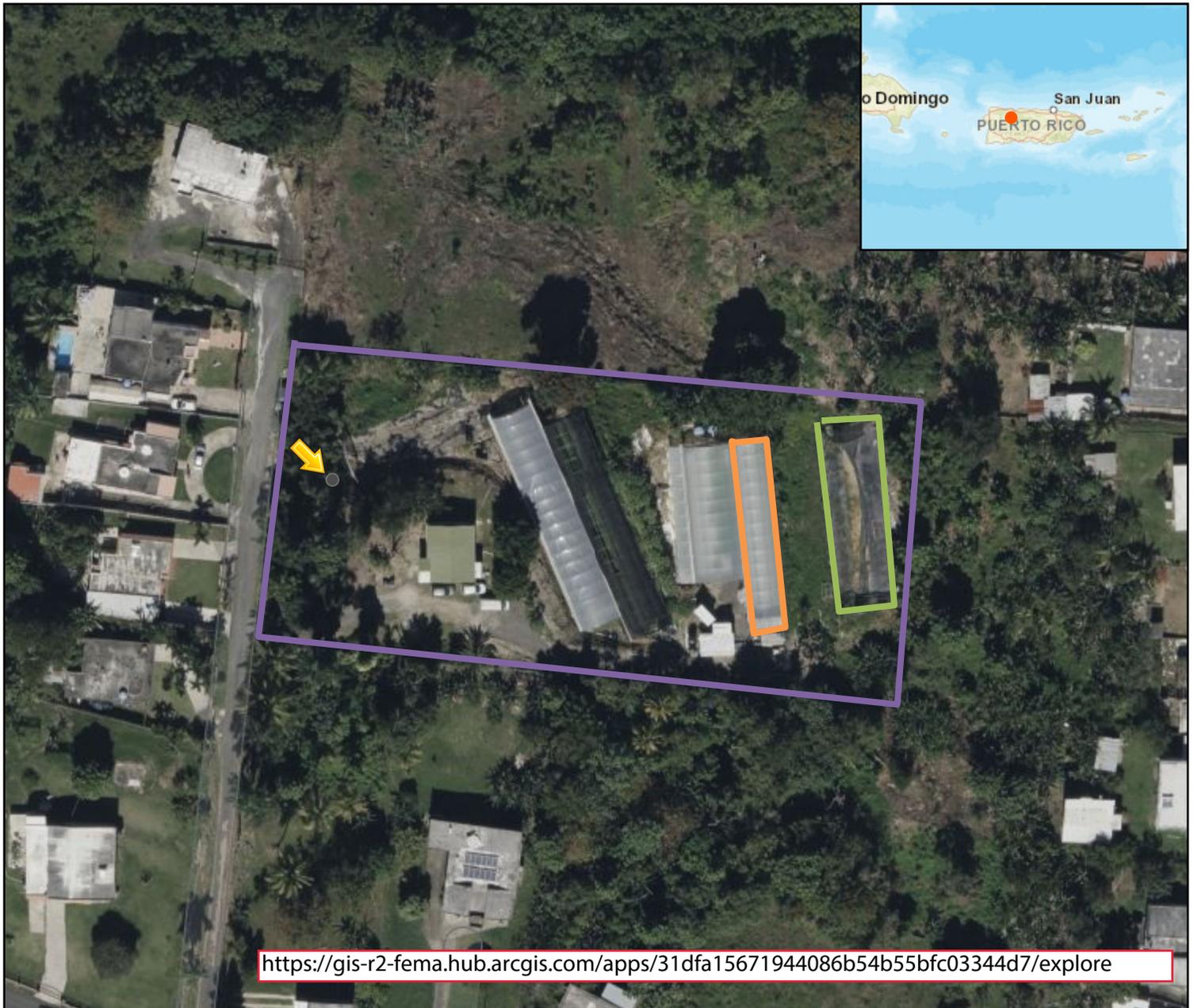
- Prime Farmland
- Farmland of Local Importance
- Farmland of Statewide Importance
- Farmland of Unique Importance
- Not Prime Farmland



USDA
NRCS

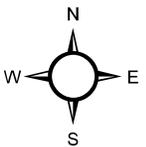
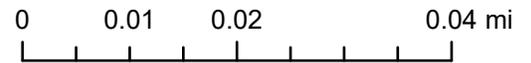


Figure 8: PR-RGRW-01674 ABFE



Legend

- A
- AO
- AE
- Coastal A Zone
- VE
- 0.2% Annual Chance Flood Zone
- A-Floodway
- AE-Floodway
- Coastal A Zone and Floodway
- Zone/BFE Boundary
- 1% Annual Chance Flood
- 0.2% Annual Chance Flood
- Limit of Moderate Wave Action (LiMWA)
- Advisory Base Flood Elevation (zoom in to make visible)
- Streamline (zoom in to make visible)

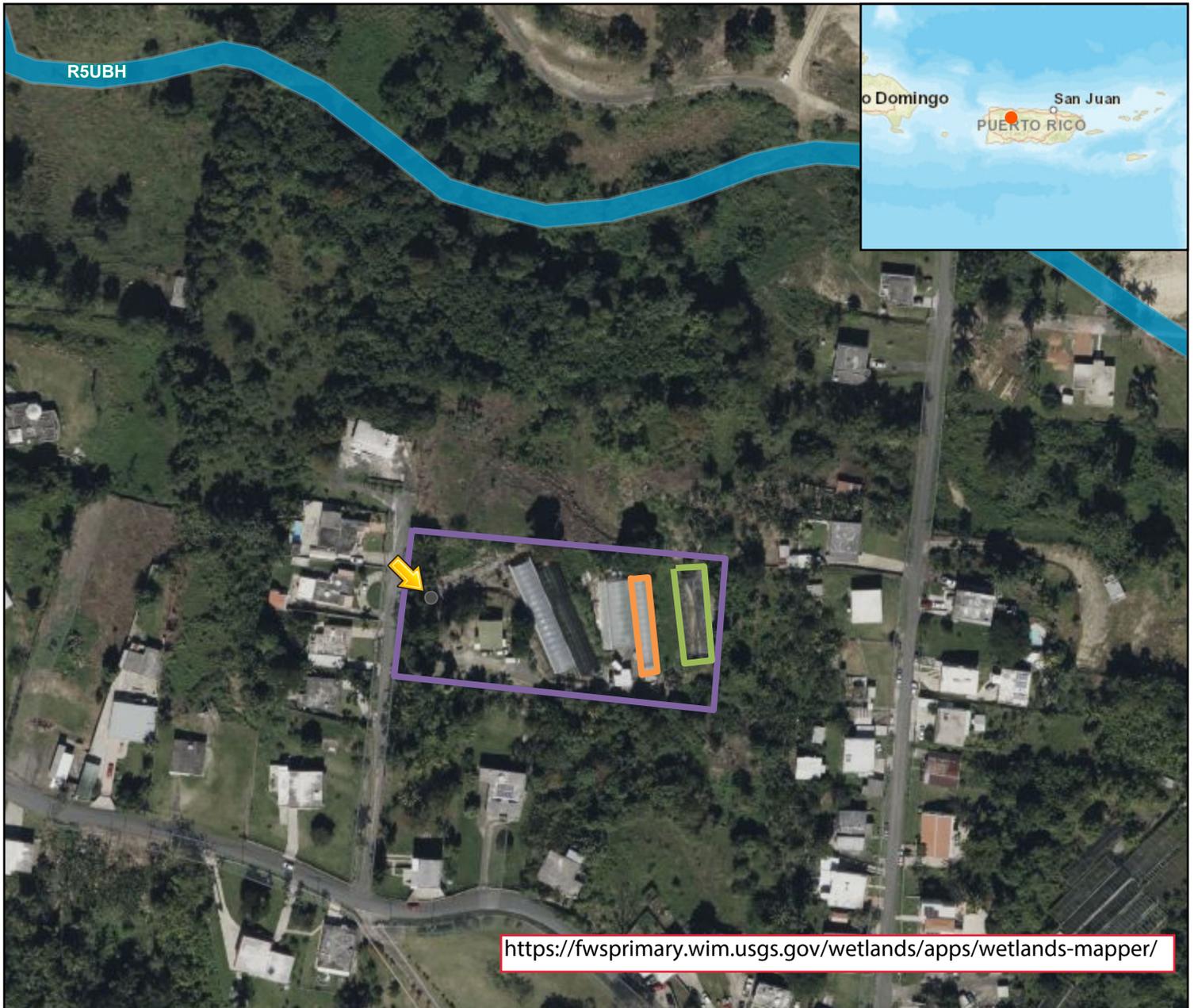


FEMA Map Service

Advisory Base Flood Elevation

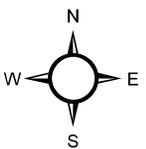
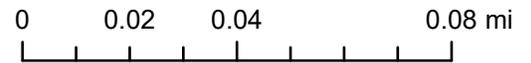


Figure 9: PR-RGRW-01674 Wetlands



Legend

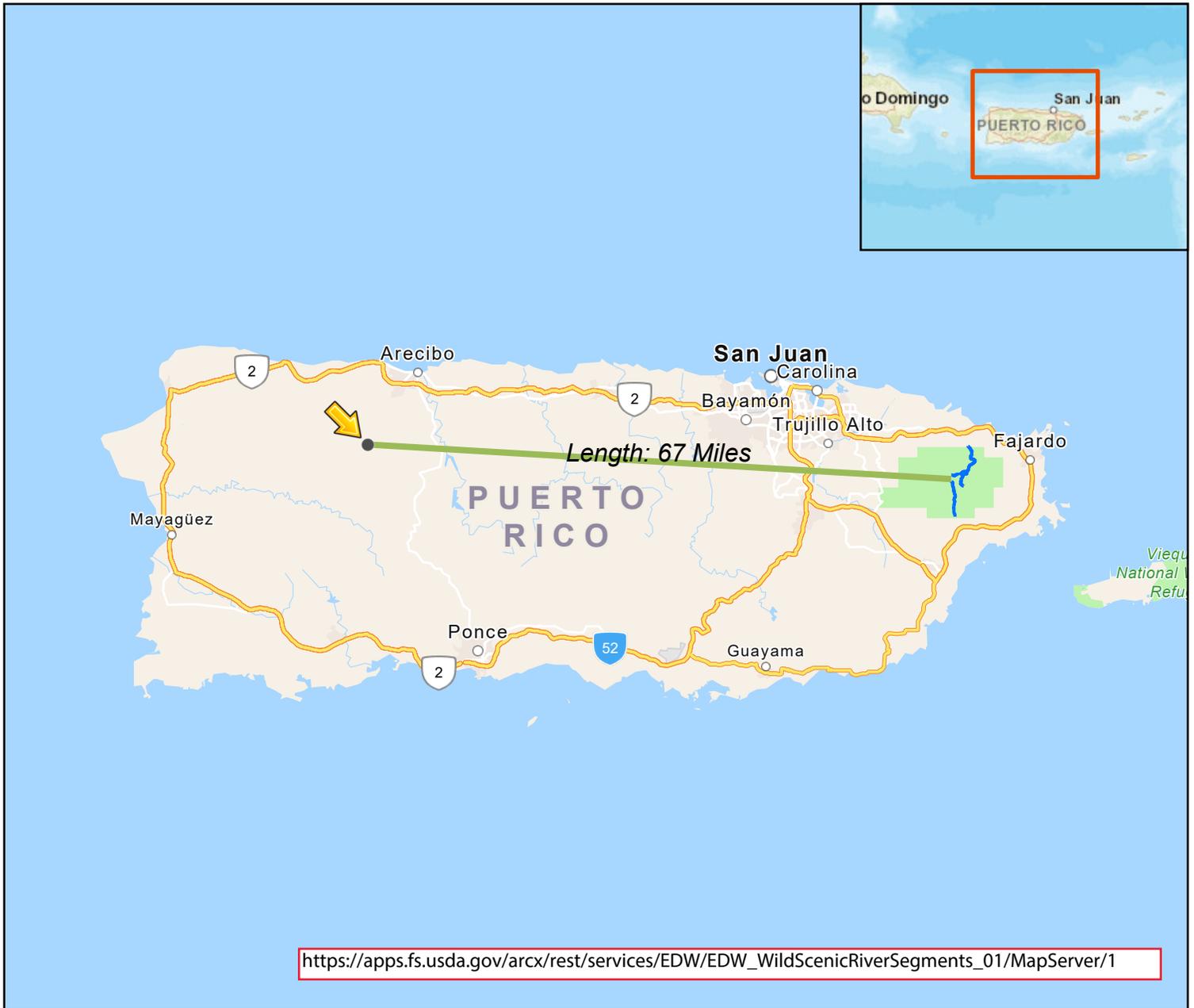
- Riverine
- A
- AO
- AE
- Coastal A Zone
- VE
- 0.2% Annual Chance Flood Zone
- A-Floodway
- AE-Floodway
- Coastal A Zone and Floodway
- Zone/BFE Boundary
- 1% Annual Chance Flood
- 0.2% Annual Chance Flood
- Limit of Moderate Wave Action (LiMWA)
- Advisory Base Flood Elevation (zoom to make visible)
- Streamline (zoom in to make visible)



U.S. Fish and Wildlife Service
National Wetlands Inventory

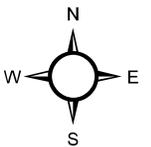
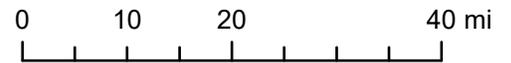


Figure 10: PR-RGRW-01674 Scenic Rivers



Legend

— Wild and Scenic Rivers



National Wild & Scenic River System

National Park Service



Figure 11:PR-RGRW-01674 Landslide

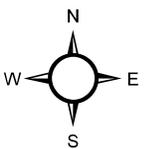
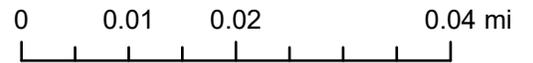


Legend

rainLsSucc

- Low
- Moderate
- High
- A
- AO
- AE
- Coastal A Zone
- VE
- 0.2% Annual Chance Flood Zone

- A-Floodway
- AE-Floodway
- Coastal A Zone and Floodway
- Zone/BFE Boundary
- 1% Annual Chance Flood
- 0.2% Annual Chance Flood
- Limit of Moderate Wave Action (LiMWA)
- Advisory Base Flood Elevation (zoom in to make visible)
- Streamline (zoom in to make visible)



Landslide Susceptibility

USGS



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

Yo, Rafael Antonio Berríos González, representante autorizado/a para el negocio Rafael A Berrios /DBA Caribbean's Best Harvest, con el Caso Número PR-RGRW-01674 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 \$48,193.60 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.

Item	Equipment Expense Type RGRW	Unmet Need	Initials
INVERNADERO	Farm Infrastructure (Regrow Only)	\$48,193.60	RAOG

\$48,193.60

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 a Departamento de la Vivienda.
- 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.

Rafael Antonio Berríos González

Nombre



Firma

10/25/2022

Fecha



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/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

Important Notes

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

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	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



Appendix C

GOVERNMENT OF PUERTO RICO STATE HISTORIC PRESERVATION OFFICE

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

January 12, 2023

Lauren Bair Poche

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

SHPO: 12-19-22-07 PUERTO RICO DISASTER RECOVERY, CDBG-DR RE-GROW PR URBAN-RURAL AGRICULTURAL RE-GROW PROGRAM, **PR-RGRW-01674**, RAFAEL A. BERRIOS/CARIBBEAN BEST HARVEST, BO. BAYANEY, SECTOR LAS FINQUITAS, PR-129 KM 27.5 INT., HATILLO, PUERTO RICO

Dear Ms. Poche,

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

Our records support your finding of **no historic properties affected** within the project's Area of Potential Effects.

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

Sincerely,


For Carlos A. Rubio-Cancela
State Historic Preservation Officer

CARC/GMO/LGC



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-01674 – Rafael A. Berrios / Caribbean Best Harvest– Carr 129 Km 27.5 Int, Barrio Bayaney, Sector Las Finquitas, Hatillo, Puerto Rico – *No Historic Properties Affected***

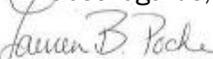
Dear Architect Rubio Cancela,

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

On behalf of PRDOH and the subrecipient, the Puerto Rico Department of Agriculture, we are submitting documentation for activities proposed by Rafael A. Berrios / Caribbean Best Harvest in Barrio Bayaney, Sector Las Finquitas at Carr 129 Km 27.5 Int in the municipality of Orocovis. This undertaking will involve the repair of a circa 2011 greenhouse and the construction of a new greenhouse on the property. Based on the submitted documentation prepared by SOI-qualified Archaeologist Eminett 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 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

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM		
ReGROW PUERTO RICO PROGRAM		
Section 106 NHPA Effect Determination		
Subrecipient: Rafael A. Berrios / Caribbean Best Harvest		
Case ID: PR-RGRW-01674	City: Hatillo	

Project Location: Carr 129 Km 27.5 INT, Barrio Bayaney, Sector Las Finquitas, Hatillo, Puerto Rico	
Project Coordinates: 18.351905, -66.804662	
TPID (Número de Catastro): 103-062-317-05	
Type of Undertaking:	
<input checked="" type="checkbox"/> Substantial Repair/Improvements – repair of 1 existing greenhouse <input checked="" type="checkbox"/> New Construction – 1 new greenhouse	
Construction Date (AH est.): ca. 2011	Property Size (acres): 0.25 acres

SOI-Qualified Architect/Architectural Historian: Lauren B. Poche, M.A.
Date Reviewed: 12/19/2022
SOI-Qualified Archaeologist: Eminett Jimenez, M.A.
Date Reviewed: 12/8/2022

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 the construction of a new greenhouse and seven tables for the crops near the eastern edge of the parcel; additionally, repairs will be completed to a second greenhouse on the property. Based on a review of aerial imagery, the proposed location of the new greenhouse was a previously steep forested hillside that was leveled prior to the construction of greenhouse that were damaged by the hurricane events of 2017. The greenhouse structures in the western half of the parcel were constructed between 2006 and 2009, while the greenhouses within the eastern half of the parcel that are in the Area of Potential Effect (AP) were constructed between 2009 and 2012.

Following the hurricane events of 2017, several greenhouses on the property were damaged; two were previously repaired, but one still needs repairs and the greenhouse on the eastern edge of the parcel remains in ruins. As it is proposed, no new ground leveling will be required to reconstruct the greenhouse or to install the structure and tables. Soils in the project area consists of exposed karstic rock. Ground disturbance for the construction of the new greenhouse will be limited to the clearing of remaining debris from the storm-damaged structure, vegetation clearing, and the installation about half a dozen anchor-pipes to provide support for the new greenhouse. No ground disturbing activities are anticipated for the repairs to the other greenhouses on the parcel.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Rafael A. Berrios / Caribbean Best Harvest	
Case ID: PR-RGRW-01674	City: Hatillo

Overview of proposed activities in the scope of work:

- Removal of debris, weeds, and materials still in the area. Afterward, there will be the construction of a replacement greenhouse.
- The greenhouse to be repaired measures 94 x 36 feet; no ground disturbance is anticipated for the repairs of the circa 2011 greenhouse.
- The replacement greenhouse will be approximately 96 X 30 feet and require the following materials (no foundation required, bare dirt):
 - Arches 8'
 - Thresholds
 - Pillars 2"
 - Tubes 1" X 1" X 2.5 ' deep
 - Aluminum rods with wires
 - Grow bars
 - Galvanized tubes 1' x1' x ' and 2" X 20'
 - Plastic cover for Saran roof
 - PVC Pipes

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 new greenhouse and associated infrastructure and the location of the greenhouse to be repaired (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.

Hatillo is an area with a relatively high presence of sites, which varies from caves with petroglyphs, petroglyphs reported along the water bodies, to settlements and burials. The more developed areas are closer to the coast, while interior portions are less

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Rafael A. Berrios / Caribbean Best Harvest	
Case ID: PR-RGRW-01674	City: Hatillo

developed; therefore, many areas lack archaeological studies and information. The closest archaeological site is Cueva de la Catedral (HT0100002), a rock shelter with petroglyphs located 0.86 miles northeast of the APE.

The estimated date of construction for the structures within the APE is circa 2010 as the buildings are present in 2012 aerial imagery but absent from the 2009 imagery. A review of aerial imagery finds that the other structures on the parcel, west of the APE, were constructed between 2006 and 2009.

There are no previously identified historic properties within a ½ mile radius of the project area. There are no archaeological studies carried out within a ½ mile radius.

Summary of Site Visit

During the site visit, it was observed that the natural topography is steep with exposed karstic rock; partly due to previous land movement and the leveling of the topography prior to the construction of the ca. 2010 buildings. Originally a steep hill, the previous owner impacted the natural ground surface through ground-leveling activities. The applicant has not encountered nor has any recollection of artifacts or bateyes reported on the project area or nearby. The closest water source is a stream that feeds into the Camuy River, located 0.08 miles north of the Undertaking. The Camuy River is 0.80 miles to the east. A pedestrian survey was conducted by SOI-qualified archaeologists, starting in the southern portion of the APE and moving to the north. The soil consists of exposed karstic rock. The excessive slope characteristic of the area is unsuitable for a prehistoric settlement. During the survey, no cultural material was observed in the APE. Therefore, there is a low probability of finding cultural resources within the APE.

Determination

Based on the observations made during the site visit, the steep slopes characteristics of the project area and previous disturbance, the lack of archaeological and historical sites, and previous investigations research, the proposed greenhouse construction will not affect any historic properties or archaeological site. As such, the Program has determined that no historic properties will be affected by the proposed project.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM REGrow PUERTO RICO PROGRAM Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Rafael A. Berrios / Caribbean Best Harvest	
Case ID: PR-RGRW-01674	City: Hatillo

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"/> Concurs with the information provided. <input type="checkbox"/> Does not concur with the information provided.	
Comments: 	
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: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo

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

Latitude: 18.3520
Longitude: -66.8047

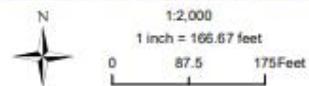


Application ID#: PR-RGRW-01674

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



-  Historic Districts
-  Historic Communities
-  Traditional Urban Centers
-  Applicant Structure
-  Parcels



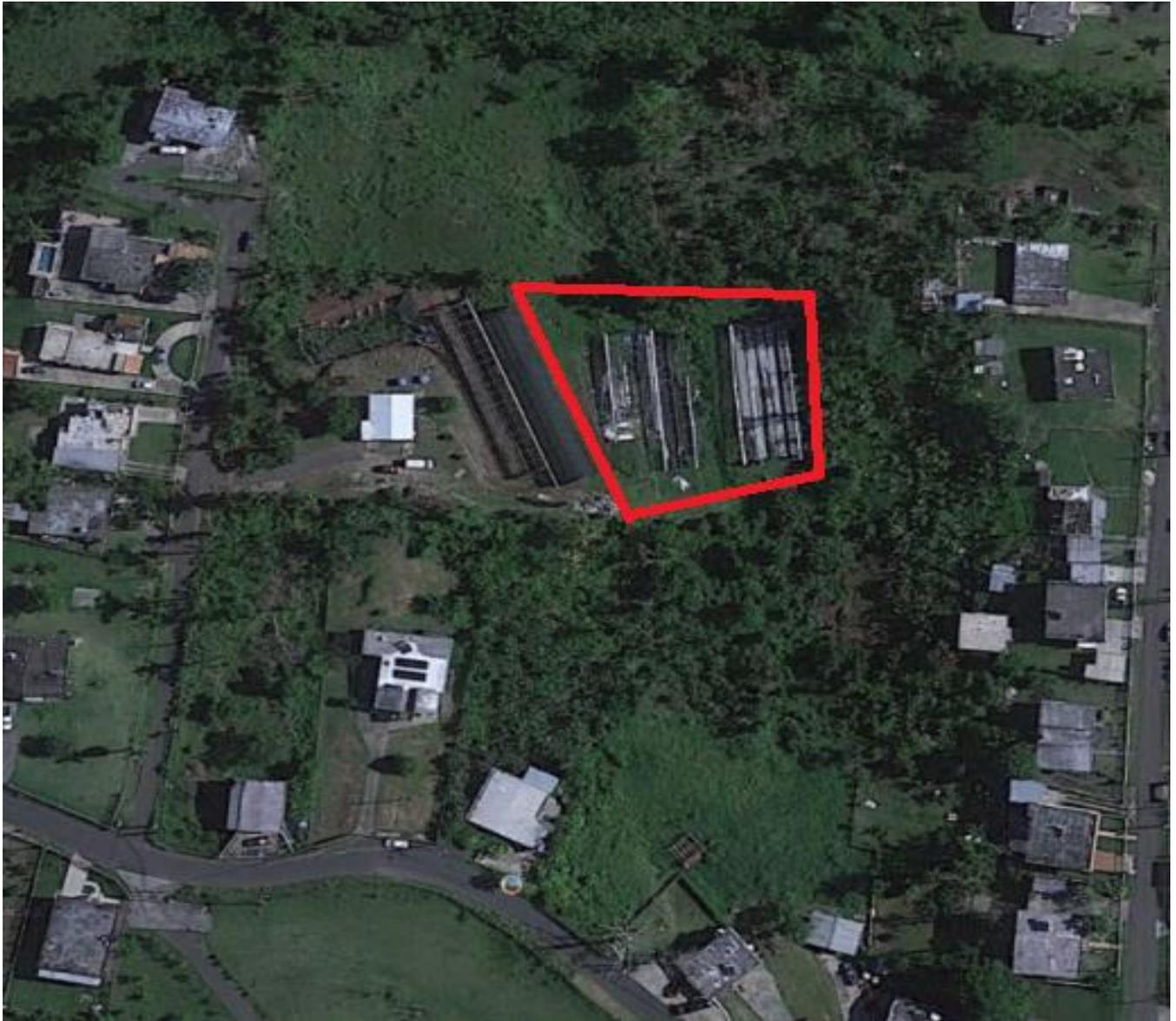
Sources: Esri Imagery Basemap service.

Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo

Area of Potential Effect Map (Aerial)



Aerial Base Source: Google Earth Pro

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo

Project Location - Topographic Base

Puerto Rico Department of Housing

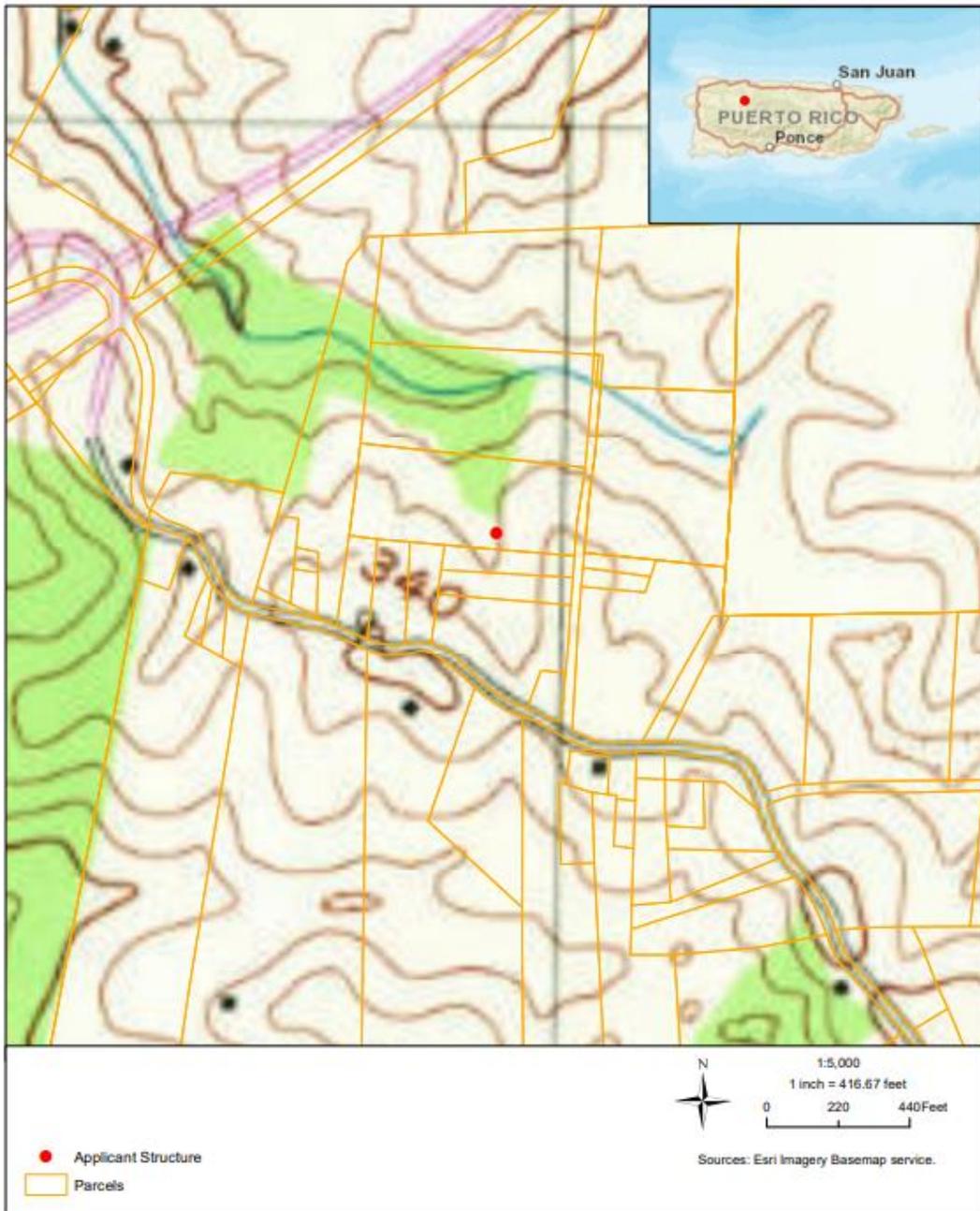
Re-Grow Program

Latitude: 18.3520
Longitude: -66.8047



Application ID#: PR-RGRW-01674

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



Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo

Soils



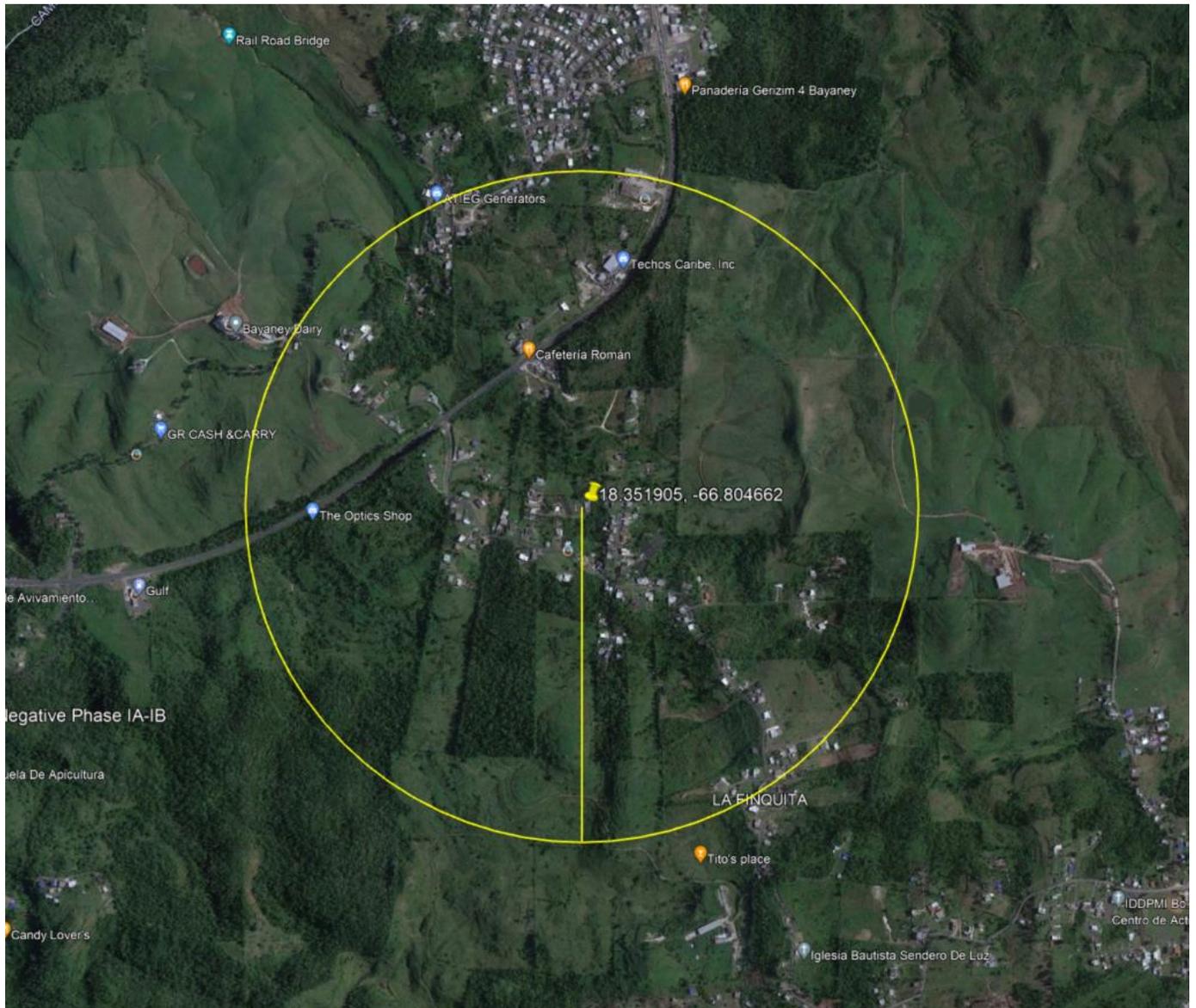
Source: USDA Web Soil Survey (<https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>)

Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo

Project (Parcel) Location with Previous Investigations-Aerial Map



Aerial Base Source: Google Earth Pro

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGrow PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 1

Description (include direction):

Drone Imagery. APE overview; north is at the top of the photograph.

Date: November 2022

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGROW PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 2

Description (include direction):

Drone Imagery - eastern portion of APE, closeup; north is to the left of the photograph.

Date: November 2022

Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 3

Description (include direction):

Drone Imagery, bird's eye – south to the top of the photograph. Overview of the APE with the new greenhouse placement to the left in relation to existing greenhouse to be repaired (center), as well as an additional greenhouse on the property.

Date: November 2022

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGrow PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 4

Description (include direction):

Drone Imagery, bird's eye facing north. APE closeup.

Date: November 2022

Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 5

Date: November 2022

Description (include direction):

Photograph taken facing south. View from the north of the APE towards the south. The cut on the terrain can be observed with the exposed karstic rock face – evidence of cut and leveling.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGrow PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 6

Date: November 2022

Description (include direction):

Photograph taken facing northeast. Overview of the eastern portion of the APE with destroyed greenhouse and exposed karstic rock.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

REGrow PUERTO RICO PROGRAM

Section 106 NHPA Effect Determination



Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 7

Date: November 2022

Description (include direction):

Photograph taken facing west from the APE. Note the steepness of the slope.

Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 8

Description (include direction):

Photograph taken facing north-northeast. Overview of the eastern portion of the APE and destroyed greenhouse.

Date: November 2022

Subrecipient: Rafael A. Berrios / Caribbean Best Harvest

Case ID: PR-RGRW-01674

City: Hatillo



Photo 9

Description (include direction):

Close-up of the soils on the APE demonstrating the karstic rock.

Date: November 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,

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

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT