



U.S. Department of Housing and Urban
Development
451 Seventh Street, SW
Washington, DC 20410
www.hud.gov
espanol.hud.gov

**Environmental Review for Activity/Project that is
Categorically Excluded Subject to Section 58.5
Pursuant to 24 CFR 58.35(a)**

Project Information

Project Name: PR-RGRW-01627-W-RE

HEROS Number: 900000010365527

Start Date: 11/14/2023

State / Local Identifier:

Project Location: , Carolina, PR 00778

Additional Location Information:

The project is located at latitude 18.294386, longitude -65.938027 at the address given above. Tax ID Numbers: 173-000-010-99, 173-000-010-11

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

This project (PR-RGRW-01627-W-RE) entails the award of a grant to Felix Gonzalez DBA Hacienda Dona Carmen, an agricultural business, at Carr 945. Carr. 853 km 11.6, Bo. Barrazas, Carolina, PR 00778. Tax ID Numbers: 173-000-010-99, 173-000-010-11. Coordinates (18.294386, -65.938027). This project had an original CENST review which included the purchase of farm equipment including a chopper for project cost of \$4,500.00. See attached CENST environmental review. This review includes a scope item previously considered as an EA level of review (water trough and feeders, generator, load bar and true test equipment, irrigation system, squeeze chute) which is now evaluated as CEST level of review in accordance with FR-6492-N-01 with a project cost of \$43,611.94. The proposed project includes the purchase and installation of water trough and feeders, generator, load bar and true test equipment, irrigation system, squeeze chute. The water trough and feeder purchase includes three (3) water tanks, 3ft diameter, 80 gallons each and ten (10) 10' Galvanized Bunk Feeders w/Drop-In Liner. These are going to be located on bare ground, in different areas of the farm to feed and provide water to cattle. The proposed irrigation system is a mobile hose/pump irrigation system to be used as needed around the cropping areas. The scope of work 1 (SOW-1) is the purchase and installation of a 13 KW (17.4 hp) diesel Kohler power generator. The applicant plans to construct an on- site poured 10-foot (ft)' x 10 ft concrete pad at coordinates 18.292289, -65.941060, for the installation of the new power generator. This generator will provide power to the water pump of the existing water well. Concrete pad construction will require a ground disturbance with a maximum depth of 1 ft. Generator can be anchored to the concrete slab with the use of tensors attached to the concrete. The SOW includes the installation of a transfer switch. The scope of work 2 (SOW-2) is the installation of a cattle chute and a load bar at coordinates 18.294630, -65.937065. This is used to provide care and restrain the animal for different procedures. The system will be installed in a concrete pad of 10 ft x 5 ft. Thickness of concrete must be at least 8-10", for a maximum depth of disturbance of 1.5 ft. As per product manual, no anchoring of the

cattle chute is required. However, it can be fixed to the concrete slab. Field is not graded. The project site will require clearing, grubbing, grading, and vegetation, brush and shrubs removal. However, the proposal does not contemplate cutting, pruning or transplanting of trees. The project Felix Gonzalez DBA Hacienda Dona Carmen, PR-RGRW-01627-W-RE has been evaluated in accordance with FR-6492-N-01. The activities identified CE: #7 - 7. 7 CFR 799.32(e) (2) (iii): Construction of a new farm storage facility. HUD Level of Review: CEST. Potential application to HUD activities: Construction of a new farm storage facility with ground disturbance, CE: #8 - 8. 7 CFR 799.32(e) (2) (xi): Grading, leveling, shaping, and filling in areas or to depths not previously disturbed. HUD Level of Review: CEST. Potential application to HUD activities: Grading, leveling, shaping, and filling in areas or to depths not previously disturbed for agricultural efforts, and CE: #10 - 10. 7 CFR 799.32(e) (2) (xxxvii): Watering tank or trough installation, if in areas not previously disturbed. HUD Level of Review: CEST. Potential application to HUD activities: Agricultural watering tank or trough installation that includes new ground disturbance have been classified as CEST under the waiver.

Level of Environment Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5: 58.35(a)(3)(iii)

Funding Information

Grant Number	HUD Program	Program Name	
B-17-DM-72-0001	Community Planning and Development (CPD)	Community Development Block Grants (Disaster Recovery Assistance)	\$0.00
B-18-DE-72-0001	Community Planning and Development (CPD)	Community Development Block Grants (Disaster Recovery Assistance)	\$0.00
B-18-DP-72-0001	Community Planning and Development (CPD)	Community Development Block Grants (Disaster Recovery Assistance)	\$0.00
B-19-DP-78-0002	Community Planning and Development (CPD)	Community Development Block Grants (Disaster Recovery Assistance)	\$0.00

Estimated Total HUD Funded Amount: \$43,611.94

Estimated Total Project Cost [24 CFR 58.2 (a) (5)]: \$43,611.94

Mitigation Measures and Conditions [CFR 1505.2(c)]:

Summarized below are 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 or Condition	Comments on Completed Measures	Complete
Endangered Species Act	The United States Fish and Wildlife Service (USFWS) Caribbean Ecological Services Field Office reviewed the information provided and their files, and on November 23, 2024	N/A	

	<p>concurred with the determination that the proposed project actions May Affect, but is Not Likely to Adversely Affect (NLAA) the Puerto Rican Broad-winged Hawk, Puerto Rican Parrot, and the Puerto Rican Boa Pigeon. The USFWS NLAA concurrence is conditioned to the following: (1) if a Boa is encountered, the Conservation Measures will be in accordance with the USFWS Puerto Rican Boa Conservation Measures 2024, (2) if a Puerto Rican Parrot is encountered on the site, the USFWS Caribbean Office will be notified immediately, (3) if a Puerto Rican Broad-winged Hawk is encountered on the site, the USFWS Caribbean Office will be notified immediately. Obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner that was not previously considered; (2) this action is subsequently modified in a manner not previously considered in this assessment; or, (3) a new species is listed, or critical habitat determined that may be affected by the identified action. In conclusion, the USFWS concurred with the CDBG-DR/MIT Permits and Environmental Compliance Division NLAA determination. However, the applicant must be informed about the conditions of the determination of concurrence and implement them as described.</p>			
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Determination:

<input type="checkbox"/>	This categorically excluded activity/project converts to EXEMPT per Section 58.34(a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license; Funds may be committed and drawn down after certification of this part for this (now) EXEMPT project; OR
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<input checked="" type="checkbox"/>	This categorically excluded activity/project cannot convert to Exempt status because one or more statutes or authorities listed at Section 58.5 requires formal consultation or mitigation. Complete consultation/mitigation protocol requirements, publish NOI/RROF and obtain "Authority to Use Grant Funds" (HUD 7015.16) per Section 58.70 and 58.71 before committing or drawing down any funds; OR
<input type="checkbox"/>	This project is not categorically excluded OR, if originally categorically excluded, is now subject to a full Environmental Assessment according to Part 58 Subpart E due to extraordinary circumstances (Section 58.35(c)).

Preparer Signature:  Date: April.30.2025

Name / Title/ Organization: Ianmario Heredia / / Department of Housing - Puerto Rico

Responsible Entity Agency Official Signature:  Date: 7/1/2025

Name/ Title: Pedro A. de León Rodríguez, MSEM/Permits and Environmental Compliance Specialist

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

**Environmental Review for Activity/Project that is
Categorically Excluded Subject to Section 58.5
Pursuant to 24 CFR 58.35(a)**

Project Information

Project Name: PR-RGRW-01627-W-RE

HEROS Number: 900000010365527

Start Date: 11/14/2023

Responsible Entity (RE): Department of Housing - Puerto Rico, P.O. Box 21365 San
Juan PR, 00928

State / Local Identifier:

RE Preparer: Ianmario Heredia

Certifying Office
r:

Grant Recipient (if different than Responsible Entity):

Point of Contact:

Point of Contact: Justin Neely
Consultant (if applicable): HORNE LLP

40 CFR 1506.5(b)(4): The lead agency or, where appropriate, a cooperating agency shall prepare a disclosure statement for the contractor's execution specifying that the contractor has no financial or other interest in the outcome of the action. Such statement need not include privileged or confidential trade secrets or other confidential business information.

- ✓ By checking this box, I attest that as a preparer, I have no financial or other interest in the outcome of the undertaking assessed in this environmental review.

Project Location: , Carolina, PR 00778

Additional Location Information:

The project is located at latitude 18.294386, longitude -65.938027 at the address given above. Tax ID Numbers: 173-000-010-99, 173-000-010-11

Direct Comments to: environmentcdbg@vivienda.pr.gov

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

This project (PR-RGRW-01627-W-RE) entails the award of a grant to Felix Gonzalez DBA Hacienda Dona Carmen, an agricultural business, at Carr 945. Carr. 853 km 11.6, Bo. Barrazas, Carolina, PR 00778. Tax ID Numbers: 173-000-010-99, 173-000-010-11. Coordinates (18.294386, -65.938027). This project had an original CENST review which included the purchase of farm equipment including a chopper for project cost of \$4,500.00. See attached CENST environmental review. This review includes a scope item previously considered as an EA level of review (water trough and feeders, generator, load bar and true test equipment, irrigation system, squeeze chute) which is now evaluated as CEST level of review in accordance with FR-6492-N-01 with a project cost of \$43,611.94. The proposed project includes the purchase and installation of water trough and feeders, generator, load bar and true test equipment, irrigation system, squeeze chute. The water through and feeder purchase includes three (3) water tanks, 3ft diameter, 80 gallons each and ten (10) 10' Galvanized Bunk Feeders w/Drop-In Liner. These are going to be located on bare ground, in different areas of the farm to feed and provide water to cattle. The proposed irrigation system is a mobile hose/pump irrigation system to be used as needed around the cropping areas. The scope of work 1 (SOW-1) is the purchase and installation of a 13 KW (17.4 hp) diesel Kohler power generator. The applicant plans to construct an on- site poured 10-foot (ft)' x 10 ft concrete pad at coordinates 18.292289, -65.941060, for the installation of the new power generator. This generator will provide power to the water pump of the existing water well. Concrete pad construction will require a ground disturbance with a maximum depth of 1 ft. Generator can be anchored to the concrete slab with the use of tensors attached to the concrete. The SOW includes the installation of a transfer switch. The scope of work 2 (SOW-2) is the installation of a cattle chute and a load bar at coordinates 18.294630, -65.937065. This is used to provide care and restrain the animal for different procedures. The system will be installed in a concrete pad of 10 ft x 5 ft. Thickness of concrete must be at least 8-10", for a maximum depth of disturbance of 1.5 ft. As per product manual, no anchoring of the cattle chute is required. However, it can be fixed to the concrete slab. Field is not graded. The project site will require clearing, grubbing, grading, and vegetation, brush and shrubs removal. However, the proposal does not contemplate cutting, pruning or transplanting of trees. The project Felix Gonzalez DBA Hacienda Dona Carmen, PR-RGRW-01627-W-RE has been evaluated in accordance with FR-6492-N-01. The activities identified CE: #7 - 7. 7 CFR 799.32(e) (2) (iii): Construction of a new

farm storage facility. HUD Level of Review: CEST. Potential application to HUD activities: Construction of a new farm storage facility with ground disturbance, CE: #8 - 8. 7 CFR 799.32(e) (2) (xi): Grading, leveling, shaping, and filling in areas or to depths not previously disturbed. HUD Level of Review: CEST. Potential application to HUD activities: Grading, leveling, shaping, and filling in areas or to depths not previously disturbed for agricultural efforts, and CE: #10 - 10. 7 CFR 799.32(e) (2) (xxxvii): Watering tank or trough installation, if in areas not previously disturbed. HUD Level of Review: CEST. Potential application to HUD activities: Agricultural watering tank or trough installation that includes new ground disturbance have been classified as CEST under the waiver.

Maps, photographs, and other documentation of project location and description:

[ReEvaluation Memo .docx](#)

[PR-RGRW-01627-W-RE Site Map.pdf](#)

[PR-RGRW-01627-W-RE IUGF CEST.pdf](#)

[PR-RGRW-01627 CENST ERR.pdf](#)

[PRDOH Regrow Puerto Rico Program - 5836 Waiver \(002\).pdf](#)

[Farm Service Agency Adopted Categorical Exclusions Identified in FR-6492-N-01.pdf](#)

[PR-RGRW-01627-W-RE EFOR.pdf](#)

Level of Environmental Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at 58.5:

58.35(a)(3)(iii)

Determination:

	This categorically excluded activity/project converts to EXEMPT per Section 58.34(a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license; Funds may be committed and drawn down after certification of this part for this (now) EXEMPT project; OR
✓	This categorically excluded activity/project cannot convert to Exempt status because one or more statutes or authorities listed at Section 58.5 requires formal consultation or mitigation. Complete consultation/mitigation protocol requirements, publish NOI/RROF and obtain "Authority to Use Grant Funds" (HUD 7015.16) per Section 58.70 and 58.71 before committing or drawing down any funds; OR
	This project is not categorically excluded OR, if originally categorically excluded, is now subject to a full Environmental Assessment according to Part 58 Subpart E due to extraordinary circumstances (Section 58.35(c)).

Approval Documents:

[01627-SIG-PAGE\(1\).pdf](#)

**7015.15 certified by Certifying Officer
on:**

**7015.16 certified by Authorizing Officer
on:**

Reevaluation of a Completed Review

The environmental findings of a completed environmental review were re-evaluated to determine if the original findings are still valid for all of the three scenarios below:

- a. Substantial changes in the nature, magnitude, or extent of the project, including adding new activities not anticipated in the original scope of the project are proposed.
- b. There are new circumstances and environmental conditions which may affect the project or have a bearing on its impact, such as concealed or unexpected conditions discovered during the implementation of the project, or
- c. The selection of an alternative not in the original finding is proposed.

It was determined that the original findings were still valid.

Statement or memo documenting determination:

The project Felix Gonzalez DBA Hacienda Dona Carmen, PR-RGRW-01627-W-RE has been evaluated in accordance with FR-6492-N-01. The activities identified CE: #7 - 7. 7 CFR 799.32(e) (2) (iii): Construction of a new farm storage facility. HUD Level of Review: CEST. Potential application to HUD activities: Construction of a new farm storage facility with ground disturbance, CE: #8 - 8. 7 CFR 799.32(e) (2) (xi): Grading, leveling, shaping, and filling in areas or to depths not previously disturbed. HUD Level of Review: CEST. Potential application to HUD activities: Grading, leveling, shaping, and filling in areas or to depths not previously disturbed for agricultural efforts, and CE: #10 - 10. 7 CFR 799.32(e) (2) (xxvii): Watering tank or trough installation, if in areas not previously disturbed. HUD Level of Review: CEST. Potential application to HUD activities: Agricultural watering tank or trough installation that includes new ground disturbance have been classified as CEST under the waiver.

[ReEvaluation Memo \(1\).docx](#)

[PR-RGRW-01627 CENST ERR\(1\).pdf](#)

[PRDOH Regrow Puerto Rico Program - 5836 Waiver \(002\)\(1\).pdf](#)

[Farm Service Agency Adopted Categorical Exclusions Identified in FR-6492-N-01\(1\).pdf](#)

Funding Information

Grant / Project Identification Number	HUD Program	Program Name	Funding Amount
B-17-DM-72-0001	Community Planning and Development (CPD)	Community Development Block Grants (Disaster Recovery Assistance)	\$0.00
B-18-DE-72-0001	Community Planning and Development (CPD)	Community Development Block Grants (Disaster Recovery Assistance)	\$0.00
B-18-DP-72-0001	Community Planning and Development (CPD)	Community Development Block Grants (Disaster Recovery Assistance)	\$0.00
B-19-DP-78-0002	Community Planning and Development (CPD)	Community Development Block Grants (Disaster Recovery Assistance)	\$0.00

Estimated Total HUD Funded, Assisted or Insured Amount: \$43,611.94

Estimated Total Project Cost: \$43,611.94

Compliance with 24 CFR §50.4, §58.5 and §58.6 Laws and Authorities

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §50.4, §58.5, and §58.6	Are formal compliance steps or mitigation required?	Compliance determination (See Appendix A for source determinations)
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 & § 58.6		
Airport Hazards Clear Zones and Accident Potential Zones; 24 CFR Part 51 Subpart D	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The nearest civil and military airport, Luis Munoz Marin International Airport (SJU), is approximately 53,639 feet from the proposed site. The project is in compliance with Airport Hazards requirements.
Coastal Barrier Resources Act Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	This project is not located in a CBRS Unit. It is at 40,554 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.

Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Flood Map Number 72000C0765J (effective date November 18, 2009) and Flood Map Number 72000C0770J (effective date November 18, 2009) The structure or insurable property is not located in a FEMA-designated Special Flood Hazard Area. While flood insurance may not be mandatory in this instance, HUD recommends that all insurable structures maintain flood insurance under the National Flood Insurance Program (NFIP). The project is in compliance with flood insurance requirements.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 & § 58.5		
Air Quality Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	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.
Coastal Zone Management Act Coastal Zone Management Act, sections 307(c) & (d)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	This project is not located in or does not affect a Coastal Zone as defined in the state Coastal Management Plan. The project is located 35,391 feet from the coastal zone. The project is in compliance with the Coastal Zone Management Act.
Contamination and Toxic Substances 24 CFR 50.3(i) & 58.5(i)(2)]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Site contamination was evaluated as follows: None of the above. 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. At the time of this review, this section has not been updated in HEROS to include questions regarding radon. A review of science-based radon data offered a lack of data for the project site and radon testing was determined to be infeasible or impracticable. See attached radon documents.

Endangered Species Act Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	This project May Affect, but is Not Likely to Adversely Affect, listed species, and informal consultation was conducted. With mitigation, identified in the mitigation section of this review, the project will be in compliance with the Endangered Species Act.
Explosive and Flammable Hazards Above-Ground Tanks)[24 CFR Part 51 Subpart C	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Based on the project description the project includes no activities that would require further evaluation under this section. 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	This project does not include any activities that could potentially convert agricultural land to a non-agricultural use. The project is in compliance with the Farmland Protection Policy Act.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Flood Map Number 72000C0765J (effective date November 18, 2009) and Flood Map Number 72000C0770J (effective date November 18, 2009) This project does not occur in a floodplain. The project is in compliance with Executive Order 11988. PFIRMs in Puerto Rico were only developed for certain sections of the municipalities of Carolina, Canovanas, Loiza, San Juan and Trujillo Alto. The proposed project is located in the municipality of Carolina; However, the proposed project is not within an area where a PFIRM was developed. Therefore, PFIRM was not considered in the review. At the time of this review, this section has not been updated in HEROS to include questions regarding FFRMS. This project does not occur in the FFRMS floodplain. The project is in compliance with Executive Orders 11988 and 13690.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(AH est.): c2020 Based on Section 106 consultation there are No Historic Properties Affected because there are no historic properties present. The

		project is in compliance with Section 106.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Based on the project description, this project includes no activities that would require further evaluation under HUD's noise regulation. 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	The project is not located on a sole source aquifer area. According to EPA, there are no sole source aquifers in Puerto Rico. The project is in compliance with Sole Source Aquifer requirements.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Based on the project description this project includes no activities that would require further evaluation under this section. The project is in compliance with Executive Order 11990. This project does not involve new construction, so a visual wetlands survey was not conducted.
Wild and Scenic Rivers Act Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	This project is not within proximity of a NWSRS river. The project is located 50,120 feet from the nearest Wild and Scenic River. The project is in compliance with the Wild and Scenic Rivers Act.
HUD HOUSING ENVIRONMENTAL STANDARDS		
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	No adverse environmental impacts were identified in the project's total environmental review. The project is in compliance with Executive Order 12898. On January 21, 2025, President Donald Trump issued the Executive Order 14173 titled "Ending Illegal Discrimination and Restoring Merit-Based Opportunity", which revoked Executive Order 12898 and eliminated federal mandates requiring agencies to assess environmental justice impacts. Consequently, there is no longer a federal requirement to address environmental justice concerns in the

		environmental compliance review process.
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Mitigation Measures and Conditions [40 CFR 1505.2(c)]:

Summarized below are 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 or Condition	Comments on Completed Measures	Mitigation Plan	Complete
Endangered Species Act	The United States Fish and Wildlife Service (USFWS) Caribbean Ecological Services Field Office reviewed the information provided and their files, and on November 23, 2024 concurred with the determination that the proposed project actions May Affect, but is Not Likely to Adversely Affect (NLAA) the Puerto Rican Broad-winged Hawk, Puerto Rican Parrot, and the Puerto Rican Boa Pigeon. The USFWS NLAA concurrence is conditioned to the following: (1) if a Boa is encountered, the Conservation Measures will be in accordance with the USFWS Puerto Rican Boa Conservation Measures 2024, (2) if a Puerto Rican Parrot is encountered on the site, the USFWS Caribbean Office will be notified immediately, (3) if a Puerto Rican Broad-winged Hawk is encountered on the site, the USFWS Caribbean Office will be notified immediately. Obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of	N/A		

	<p>this identified action that may affect listed species or critical habitat in a manner that was not previously considered; (2) this action is subsequently modified in a manner not previously considered in this assessment; or, (3) a new species is listed, or critical habitat determined that may be affected by the identified action. In conclusion, the USFWS concurred with the CDBG-DR/MIT Permits and Environmental Compliance Division NLAA determination. However, the applicant must be informed about the conditions of the determination of concurrence and implement them as described.</p>			
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Project Mitigation Plan

Should new ground disturbance occur the Karst zone must be evaluated and when necessary DNER must be consulted prior to construction activities. In accordance with Puerto Rican Permit requirements any generator above 10HP requires an Emergency Generators General Permit of the Puerto Rico Natural and Environmental Resources Department prior to installation. The United States Fish and Wildlife Service (USFWS) Caribbean Ecological Services Field Office reviewed the information provided and their files, and on November 23, 2024 concurred with the determination that the proposed project actions May Affect, but is Not Likely to Adversely Affect (NLAA) the Puerto Rican Broad-winged Hawk, Puerto Rican Parrot, and the Puerto Rican Boa Pigeon. The USFWS NLAA concurrence is conditioned to the following: (1) if a Boa is encountered, the Conservation Measures will be in accordance with the USFWS Puerto Rican Boa Conservation Measures 2024, (2) if a Puerto Rican Parrot is encountered on the site, the USFWS Caribbean Office will be notified immediately, (3) if a Puerto Rican Broad-winged Hawk is encountered on the site, the USFWS Caribbean Office will be notified immediately. Obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner that was not previously considered; (2) this action is subsequently modified in a manner not previously considered in this assessment; or, (3) a new species is listed, or critical habitat determined that may be affected by the identified action. In conclusion, the USFWS concurred with the CDBG-DR/MIT Permits and Environmental Compliance Division NLAA determination. However, the applicant must be informed about the conditions of the determination of concurrence and implement them as described.

Supporting documentation on completed measures

APPENDIX A: Related Federal Laws and Authorities**Airport Hazards**

General policy	Legislation	Regulation
It is HUD's policy to apply standards to prevent incompatible development around civil airports and military airfields.		24 CFR Part 51 Subpart D

1. To ensure compatible land use development, you must determine your site's proximity to civil and military airports. Is your project within 15,000 feet of a military airport or 2,500 feet of a civilian airport?

✓ No

Based on the response, the review is in compliance with this section. Document and upload the map showing that the site is not within the applicable distances to a military or civilian airport below

Yes

Screen Summary**Compliance Determination**

The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The nearest civil and military airport, Luis Munoz Marin International Airport (SJU), is approximately 53,639 feet from the proposed site. The project is in compliance with Airport Hazards requirements.

Supporting documentation

[PR-RGRW-01627-W-RE Airports.pdf](#)

Are formal compliance steps or mitigation required?

Yes

✓ No

Coastal Barrier Resources

General requirements	Legislation	Regulation
HUD financial assistance may not be used for most activities in units of the Coastal Barrier Resources System (CBRS). See 16 USC 3504 for limitations on federal expenditures affecting the CBRS.	Coastal Barrier Resources Act (CBRA) of 1982, as amended by the Coastal Barrier Improvement Act of 1990 (16 USC 3501)	

1. Is the project located in a CBRS Unit?

✓ No

Document and upload map and documentation below.

Yes

Screen Summary**Compliance Determination**

This project is not located in a CBRS Unit. It is at 40,554 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.

Supporting documentation

[PR-RGRW-01627-W-RE CBRS.pdf](#)

Are formal compliance steps or mitigation required?

Yes

✓ No

Flood Insurance

General requirements	Legislation	Regulation
Certain types of federal financial assistance may not be used in floodplains unless the community participates in National Flood Insurance Program and flood insurance is both obtained and maintained.	Flood Disaster Protection Act of 1973 as amended (42 USC 4001-4128)	24 CFR 50.4(b)(1) and 24 CFR 58.6(a) and (b); 24 CFR 55.1(b).

1. Does this project involve financial assistance for construction, rehabilitation, or acquisition of a mobile home, building, or insurable personal property?

No. This project does not require flood insurance or is excepted from flood insurance.

✓ Yes

2. Upload a FEMA/FIRM map showing the site here:

[PR-RGRW-01627-W-RE FIRM 2.pdf](#)

[PR-RGRW-01627-W-RE FIRM 1.pdf](#)

The Federal Emergency Management Agency (FEMA) designates floodplains. The [FEMA Map Service Center](#) provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site. Provide FEMA/FIRM floodplain zone designation, panel number, and date within your documentation.

Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?

✓ No

Based on the response, the review is in compliance with this section.

Yes

4. While flood insurance is not mandatory for this project, HUD strongly recommends that all insurable structures maintain flood insurance under the National Flood Insurance Program (NFIP). Will flood insurance be required as a mitigation measure or condition?

Yes

✓ No

Screen Summary**Compliance Determination**

Flood Map Number 72000C0765J (effective date November 18, 2009) and Flood Map Number 72000C0770J (effective date November 18, 2009) The structure or insurable property is not located in a FEMA-designated Special Flood Hazard Area. While flood insurance may not be mandatory in this instance, HUD recommends that all insurable structures maintain flood insurance under the National Flood Insurance Program (NFIP). The project is in compliance with flood insurance requirements.

Supporting documentation**Are formal compliance steps or mitigation required?**

Yes

✓ No

Air Quality

General requirements	Legislation	Regulation
The Clean Air Act is administered by the U.S. Environmental Protection Agency (EPA), which sets national standards on ambient pollutants. In addition, the Clean Air Act is administered by States, which must develop State Implementation Plans (SIPs) to regulate their state air quality. Projects funded by HUD must demonstrate that they conform to the appropriate SIP.	Clean Air Act (42 USC 7401 et seq.) as amended particularly Section 176(c) and (d) (42 USC 7506(c) and (d))	40 CFR Parts 6, 51 and 93

1. Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?

Yes

✓ No

Based on the response, the review is in compliance with this section.

Screen Summary**Compliance Determination**

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.

Supporting documentation**Are formal compliance steps or mitigation required?**

Yes

✓ No

Coastal Zone Management Act

General requirements	Legislation	Regulation
Federal assistance to applicant agencies for activities affecting any coastal use or resource is granted only when such activities are consistent with federally approved State Coastal Zone Management Act Plans.	Coastal Zone Management Act (16 USC 1451-1464), particularly section 307(c) and (d) (16 USC 1456(c) and (d))	15 CFR Part 930

1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

Yes

☒ No

Based on the response, the review is in compliance with this section. Document and upload all documents used to make your determination below.

Screen Summary**Compliance Determination**

This project is not located in or does not affect a Coastal Zone as defined in the state Coastal Management Plan. The project is located 35,391 feet from the coastal zone. The project is in compliance with the Coastal Zone Management Act.

Supporting documentation

[PR-RGRW-01627-W-RE CZM.pdf](#)

Are formal compliance steps or mitigation required?

Yes

☒ No

Contamination and Toxic Substances

General Requirements	Legislation	Regulations
It is HUD policy that all properties that are being proposed for use in HUD programs be free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of the occupants or conflict with the intended utilization of the property.		24 CFR 58.5(i)(2) 24 CFR 50.3(i)
Reference		
https://www.onecpd.info/environmental-review/site-contamination		

1. How was site contamination evaluated?* Select all that apply.

ASTM Phase I ESA

ASTM Phase II ESA

Remediation or clean-up plan

ASTM Vapor Encroachment Screening.

☒ None of the above

* HUD regulations at 24 CFR § 58.5(i)(2)(ii) require that the environmental review for multifamily housing with five or more dwelling units or non-residential property include the evaluation of previous uses of the site or other evidence of contamination on or near the site.

For acquisition and new construction of multifamily and nonresidential properties HUD strongly advises the review include an ASTM Phase I Environmental Site Assessment (ESA) to meet real estate transaction standards of due diligence and to help ensure compliance with HUD's toxic policy at 24 CFR §58.5(i) and 24 CFR §50.3(i). Also note that some HUD programs require an ASTM Phase I ESA.

2. Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property? (Were any recognized environmental conditions or RECs identified in a Phase I ESA and confirmed in a Phase II ESA?)

☒ No

Explain:

Based on ECHO reports for the facilities, there is no impact for the intended use of this project. See attached table. The environmental field observation did not note any items of concern. See the attached environmental field observation report. A google earth review of the area shows no visible hazards. The past land use for the last 10-15 year is agricultural.

Yes

Screen Summary

Compliance Determination

Site contamination was evaluated as follows: None of the above. 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. At the time of this review, this section has not been updated in HEROS to include questions regarding radon. A review of science-based radon data offered a lack of data for the project site and radon testing was determined to be infeasible or impracticable. See attached radon documents.

Supporting documentation

[Radon Attachments.pdf](#)

[PR-RGRW-01627-W-RE Toxics Table Reports.pdf](#)

[PR-RGRW-01627-W-RE Toxics 2.pdf](#)

[PR-RGRW-01627-W-RE Toxics 1.pdf](#)

[PR-RGRW-01627-W-RE Radon Memo.docx](#)

Are formal compliance steps or mitigation required?

Yes

✓ No

Endangered Species

General requirements	ESA Legislation	Regulations
Section 7 of the Endangered Species Act (ESA) mandates that federal agencies ensure that actions that they authorize, fund, or carry out shall not jeopardize the continued existence of federally listed plants and animals or result in the adverse modification or destruction of designated critical habitat. Where their actions may affect resources protected by the ESA, agencies must consult with the Fish and Wildlife Service and/or the National Marine Fisheries Service ("FWS" and "NMFS" or "the Services").	The Endangered Species Act of 1973 (16 U.S.C. 1531 <i>et seq.</i>); particularly section 7 (16 USC 1536).	50 CFR Part 402

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

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

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

- ✓ Yes, the activities involved in the project have the potential to affect species and/or habitats.

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

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

- ✓ Yes, there are federally listed species or designated critical habitats present in the action area.

3. What effects, if any, will your project have on federally listed species or designated critical habitat?

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

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

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

4. Informal Consultation is required

Section 7 of ESA (16 USC. 1536) mandates consultation to resolve potential impacts to endangered and threatened species and critical habitats. If a HUD-assisted project may affect any federally listed endangered or threatened species or critical habitat, then compliance is required with Section 7. See 50 CFR Part 402 Subpart B Consultation Procedures.

Did the Service(s) concur with the finding that the project is Not Likely to Adversely Affect?

- ✓ Yes, the Service(s) concurred with the finding.

Based on the response, the review is in compliance with this section. Document and upload the following below:

- (1) A biological evaluation or equivalent document
- (2) Concurrence(s) from FWS and/or NMFS
- (3) Any other documentation of informal consultation

Exception: If finding was made based on procedures provided by a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office, provide whatever documentation is mandated by that agreement.

No, the Service(s) did not concur with the finding.

6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation. This information will be automatically included in the Mitigation summary for the environmental review. If negative effects cannot be mitigated, cancel the project using the button at the bottom of this screen.

✓ Mitigation as follows will be implemented:

The United States Fish and Wildlife Service (USFWS) Caribbean Ecological Services Field Office reviewed the information provided and their files, and on November 23, 2024 concurred with the determination that the proposed project actions May Affect, but is Not Likely to Adversely Affect (NLAA) the Puerto Rican Broad-winged Hawk, Puerto Rican Parrot, and the Puerto Rican Boa Pigeon. The USFWS NLAA concurrence is conditioned to the following: (1) if a Boa is encountered, the Conservation Measures will be in accordance with the USFWS Puerto Rican Boa Conservation Measures 2024, (2) if a Puerto Rican Parrot is encountered on the site, the USFWS Caribbean Office will be notified immediately, (3) if a Puerto Rican Broad-winged Hawk is encountered on the site, the USFWS Caribbean Office will be notified immediately. Obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner that was not previously considered; (2) this action is subsequently modified in a manner not previously considered in this assessment; or, (3) a new species is listed, or critical habitat determined that may be affected by the identified action. In conclusion, the USFWS concurred with the CDBG-DR/MIT Permits and Environmental Compliance Division NLAA determination. However, the applicant must be informed about the conditions of the determination of concurrence and implement them as described.

No mitigation is necessary.

Screen Summary

Compliance Determination

This project May Affect, but is Not Likely to Adversely Affect, listed species, and informal consultation was conducted. With mitigation, identified in the mitigation

section of this review, the project will be in compliance with the Endangered Species Act.

Supporting documentation

[PR-RGRW-01627-W-RE USFWS Consultation Measures.pdf](#)
[PR-RGRW-01627-W-RE USFWS Conservation Measures.pdf](#)
[PR-RGRW-01627-W-RE USFWS Concurrence Letter.pdf](#)

Are formal compliance steps or mitigation required?

✓ Yes

No

Explosive and Flammable Hazards

General requirements	Legislation	Regulation
HUD-assisted projects must meet Acceptable Separation Distance (ASD) requirements to protect them from explosive and flammable hazards.	N/A	24 CFR Part 51 Subpart C

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

☒ No

Yes

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

☒ No

Based on the response, the review is in compliance with this section.

Yes

Screen Summary**Compliance Determination**

Based on the project description the project includes no activities that would require further evaluation under this section. The project is in compliance with explosive and flammable hazard requirements.

Supporting documentation

Are formal compliance steps or mitigation required?

Yes

☒ No

Farmlands Protection

General requirements	Legislation	Regulation
The Farmland Protection Policy Act (FPPA) discourages federal activities that would convert farmland to nonagricultural purposes.	Farmland Protection Policy Act of 1981 (7 U.S.C. 4201 et seq.)	7 CFR Part 658

1. Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use?

Yes

✓ No

If your project includes new construction, acquisition of undeveloped land or conversion, explain how you determined that agricultural land would not be converted:

The project site is not designated as farmland of statewide importance or prime farmland. The project does not include any activities that could potentially convert agricultural land to non-agricultural use.

Based on the response, the review is in compliance with this section. Document and upload all documents used to make your determination below.

Screen Summary**Compliance Determination**

This project does not include any activities that could potentially convert agricultural land to a non-agricultural use. The project is in compliance with the Farmland Protection Policy Act.

Supporting documentation

[PR-RGRW-01627-W-RE Farmlands.pdf](#)

Are formal compliance steps or mitigation required?

Yes

✓ No

Floodplain Management

General Requirements	Legislation	Regulation
Executive Order 11988, Floodplain Management, requires federal activities to avoid impacts to floodplains and to avoid direct and indirect support of floodplain development to the extent practicable.	Executive Order 11988	24 CFR 55

1. Do any of the following exemptions apply? Select the applicable citation? [only one selection possible]

- 55.12(c)(3)
- 55.12(c)(4)
- 55.12(c)(5)
- 55.12(c)(6)
- 55.12(c)(7)
- 55.12(c)(8)
- 55.12(c)(9)
- 55.12(c)(10)
- 55.12(c)(11)

☒ None of the above

2. Upload a FEMA/FIRM map showing the site here:

[PR-RGRW-01627-W-RE FIRM 2.pdf](#)
[PR-RGRW-01627-W-RE FIRM 1.pdf](#)

The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs). For projects in areas not mapped by FEMA, use **the best available information** to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site.

Does your project occur in a floodplain?

☒ No

Based on the response, the review is in compliance with this section.

Yes

Screen Summary**Compliance Determination**

Flood Map Number 72000C0765J (effective date November 18, 2009) and Flood Map Number 72000C0770J (effective date November 18, 2009) This project does not occur in a floodplain. The project is in compliance with Executive Order 11988. PFIRMs in Puerto Rico were only developed for certain sections of the municipalities of Carolina, Canovanas, Loiza, San Juan and Trujillo Alto. The proposed project is located in the municipality of Carolina; However, the proposed project is not within an area where a PFIRM was developed. Therefore, PFIRM was not considered in the review. At the time of this review, this section has not been updated in HEROS to include questions regarding FFRMS. This project does not occur in the FFRMS floodplain. The project is in compliance with Executive Orders 11988 and 13690.

Supporting documentation

[PR-RGRW-01627-W-RE ABFE.pdf](#)

Are formal compliance steps or mitigation required?

Yes

✓ No

Historic Preservation

General requirements	Legislation	Regulation
Regulations under Section 106 of the National Historic Preservation Act (NHPA) require a consultative process to identify historic properties, assess project impacts on them, and avoid, minimize, or mitigate adverse effects	Section 106 of the National Historic Preservation Act (16 U.S.C. 470f)	36 CFR 800 "Protection of Historic Properties" https://www.govinfo.gov/content/pkg/CFR-2012-title36-vol3/pdf/CFR-2012-title36-vol3-part800.pdf

Threshold

Is Section 106 review required for your project?

No, because the project consists solely of activities listed as exempt in a Programmatic Agreement (PA). (See the PA Database to find applicable PAs.)

No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].

- ✓ Yes, because the project includes activities with potential to cause effects (direct or indirect).

Step 1 – Initiate Consultation

Select all consulting parties below (check all that apply):

- ✓ State Historic Preservation Offer (SHPO) Completed

Indian Tribes, including Tribal Historic Preservation Officers (THPOs) or Native Hawaiian Organizations (NHOs)

Other Consulting Parties

Describe the process of selecting consulting parties and initiating consultation here:

Only SHPO was consulted as No Historic Properties Affected was determined and no Tribal Lands were identified.

Document and upload all correspondence, notices and notes (including comments and objections received below).

Was the Section 106 Lender Delegation Memo used for Section 106 consultation?

Yes

No

Step 2 – Identify and Evaluate Historic Properties

1. Define the Area of Potential Effect (APE), either by entering the address(es) or uploading a map depicting the APE below:

In the chart below, list historic properties identified and evaluated in the APE. Every historic property that may be affected by the project should be included in the chart.

Upload the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination below.

Address / Location / District	National Register Status	SHPO Concurrence	Sensitive Information
----------------------------------	-----------------------------	------------------	--------------------------

Additional Notes:

No Historic Properties present within the APE

2. Was a survey of historic buildings and/or archeological sites done as part of the project?

Yes

✓ No

Step 3 –Assess Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. (36 CFR 800.5)] Consider direct and indirect effects as applicable as

per guidance on direct and indirect effects.

Choose one of the findings below - No Historic Properties Affected, No Adverse Effect, or Adverse Effect; and seek concurrence from consulting parties.

☒ No Historic Properties Affected

Based on the response, the review is in compliance with this section. Document and upload concurrence(s) or objection(s) below.

Document reason for finding:

☒ No historic properties present.

Historic properties present, but project will have no effect upon them.

No Adverse Effect

Adverse Effect

Screen Summary

Compliance Determination

(AH est.): c2020 Based on Section 106 consultation there are No Historic Properties Affected because there are no historic properties present. The project is in compliance with Section 106.

Supporting documentation

[PR-RGRW-01627-W-RE SHPO Consultation Package.pdf](#)

Are formal compliance steps or mitigation required?

Yes

☒ No

Noise Abatement and Control

General requirements	Legislation	Regulation
HUD's noise regulations protect residential properties from excessive noise exposure. HUD encourages mitigation as appropriate.	Noise Control Act of 1972 General Services Administration Federal Management Circular 75-2: "Compatible Land Uses at Federal Airfields"	Title 24 CFR 51 Subpart B

1. What activities does your project involve? Check all that apply:

New construction for residential use

Rehabilitation of an existing residential property

A research demonstration project which does not result in new construction or reconstruction

An interstate land sales registration

Any timely emergency assistance under disaster assistance provision or appropriations which are provided to save lives, protect property, protect public health and safety, remove debris and wreckage, or assistance that has the effect of restoring facilities substantially as they existed prior to the disaster

☒ None of the above

Screen Summary

Compliance Determination

Based on the project description, this project includes no activities that would require further evaluation under HUD's noise regulation. The project is in compliance with HUD's Noise regulation.

Supporting documentation

Are formal compliance steps or mitigation required?

Yes

☒ No

Sole Source Aquifers

General requirements	Legislation	Regulation
The Safe Drinking Water Act of 1974 protects drinking water systems which are the sole or principal drinking water source for an area and which, if contaminated, would create a significant hazard to public health.	Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300f et seq., and 21 U.S.C. 349)	40 CFR Part 149

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

Yes

✓ No

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

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

< No

✓

Based on the response, the review is in compliance with this section. Document and upload documentation used to make your determination, such as a map of your project (or jurisdiction, if appropriate) in relation to the nearest SSA and its source area, below.

Yes

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

Yes

No

Screen Summary**Compliance Determination**

The project is not located on a sole source aquifer area. According to EPA, there are no sole source aquifers in Puerto Rico. The project is in compliance with Sole Source Aquifer requirements.

Supporting documentation

[PR-RGRW-01627-W-RE Sole Source Aquifers.pdf](#)

Are formal compliance steps or mitigation required?

Yes

✓ No

Wetlands Protection

General requirements	Legislation	Regulation
Executive Order 11990 discourages direct or indirect support of new construction impacting wetlands wherever there is a practicable alternative. The Fish and Wildlife Service's National Wetlands Inventory can be used as a primary screening tool, but observed or known wetlands not indicated on NWI maps must also be processed. Off-site impacts that result in draining, impounding, or destroying wetlands must also be processed.	Executive Order 11990	24 CFR 55.20 can be used for general guidance regarding the 8 Step Process.

1. Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance? The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of the Order

✓ No

Based on the response, the review is in compliance with this section.

Yes

Screen Summary**Compliance Determination**

Based on the project description this project includes no activities that would require further evaluation under this section. The project is in compliance with Executive Order 11990. This project does not involve new construction, so a visual wetlands survey was not conducted.

Supporting documentation

[PR-RGRW-01627-W-RE Wetlands.pdf](#)

Are formal compliance steps or mitigation required?

Yes

✓ No

Wild and Scenic Rivers Act

General requirements	Legislation	Regulation
The Wild and Scenic Rivers Act provides federal protection for certain free-flowing, wild, scenic and recreational rivers designated as components or potential components of the National Wild and Scenic Rivers System (NWSRS) from the effects of construction or development.	The Wild and Scenic Rivers Act (16 U.S.C. 1271-1287), particularly section 7(b) and (c) (16 U.S.C. 1278(b) and (c))	36 CFR Part 297

1. Is your project within proximity of a NWSRS river?

✓ No

Yes, the project is in proximity of a Designated Wild and Scenic River or Study Wild and Scenic River.

Yes, the project is in proximity of a Nationwide Rivers Inventory (NRI) River.

Screen Summary**Compliance Determination**

This project is not within proximity of a NWSRS river. The project is located 50,120 feet from the nearest Wild and Scenic River. The project is in compliance with the Wild and Scenic Rivers Act.

Supporting documentation

[PR-RGRW-01627-W-RE Wild and Scenic.pdf](#)

Are formal compliance steps or mitigation required?

Yes

✓ No

Environmental Justice

General requirements	Legislation	Regulation
Determine if the project creates adverse environmental impacts upon a low-income or minority community. If it does, engage the community in meaningful participation about mitigating the impacts or move the project.	Executive Order 12898	

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

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

Yes

✓ No

Based on the response, the review is in compliance with this section.

Screen Summary**Compliance Determination**

No adverse environmental impacts were identified in the project's total environmental review. The project is in compliance with Executive Order 12898. On January 21, 2025, President Donald Trump issued the Executive Order 14173 titled "Ending Illegal Discrimination and Restoring Merit-Based Opportunity", which revoked Executive Order 12898 and eliminated federal mandates requiring agencies to assess environmental justice impacts. Consequently, there is no longer a federal requirement to address environmental justice concerns in the environmental compliance review process.

Supporting documentation

Are formal compliance steps or mitigation required?

Yes

✓ No



DEPARTMENT OF

HOUSING

GOVERNMENT OF PUERTO RICO



Memorandum to File

Date: 4/11/2025

From: Justin Neely
Environmental Manager
CDBG-DR Program
Regrow Puerto Rico Program
Puerto Rico Department of Housing

Application Number: PR-RGRW-01627-W-RE

Project: Felix Gonzalez DBA Hacienda Doña Carmen

Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number PR-RGRW-01627-W-RE under the Regrow Puerto Rico Program, administered by the Puerto Rico Department of Housing (**PRDOH**), to complete the property's contamination analysis in accordance with 24 C.F.R. § 50.3(i) and 24 C.F.R. § 58.5(i), we have determined that testing the property's radon levels is infeasible and impracticable.

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

- As required by the CPD Notice 23-103, the scientific data reviewed in lieu of testing must consist of a minimum of ten documented test results over the previous ten years. If there are less than ten documented results over this

period, it is understood that there is a lack of scientific data. The latest report for radon testing in Puerto Rico was prepared in 1995 by the U.S. Department of the Interior in Cooperation with the U.S. Environmental Protection Agency. No other completed studies and reports on radon testing are available in Puerto Rico.

- There is no available science-based or state-generated information for Puerto Rico for the last ten years that can be used to determine whether the project site is in a high-risk area. The Department of Health and Human Services, Centers for Disease Control and Prevention (**CDC**), National Environmental Public Health Tracking, and Radon Testing map do not include Puerto Rico data.
- There are only two (2) licensed professionals in Puerto Rico who can conduct radon testing using the American National Standards Institute/American Association of Radon Scientists and Technologists (**ANSI/AARST**) testing standards, which makes it difficult, time-consuming, and highly expensive to coordinate and secure a site visit for the contamination evaluation.
- Do-it-yourself (**DIY**) radon test kits are known to be unreliable in assuring and controlling the quality of the test results; they are not readily available in Puerto Rico, and the cost and time required for purchasing and sending them for analysis are unreasonable when weighed against the results' reliability and the need for prompt results.
- Local authorities in Puerto Rico do not have the specialized radon monitoring equipment or trained staff needed to conduct the radon testing analysis and ensure proper quality control and quality assurance practices are adhered to. We also do not have a radiation laboratory certified for radon testing.

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

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

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



GOVERNMENT OF PUERTO RICO

STATE HISTORIC PRESERVATION OFFICE

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

Saturday, April 6, 2024

Lauren B Poche

269 Avenida Ponce de Leon, San Juan, PR, 00917

SHPO-CF-03-26-24-11 PR-RGRW-01627 (Carolina), Felix Gonzalez DBA Hacienda Doña Carmen

Ms. Poche,

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

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

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

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/ OJR



Cuartel de Ballajá (Tercer Piso), Calle Norzagaray, Esq. Beneficencia, Viejo San Juan, PR 00901 | PO Box 9023935, San Juan, PR 00902-3935

March 26, 2023

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

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

Section 106 NHPA Effect Determination Submittal: PR-RGRW-01627 – Felix Gonzalez DBA Hacienda Doña Carmen. Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, 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 were 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: Felix Gonzalez DBA Hacienda Doña Carmen at Carr 945. Carr. 853 km 11.6 Bo. Barrazas in the municipality of Carolina. The undertaking for this project includes the purchase and installation of a power generator on a new concrete pad and the construction of a second concrete pad to support a new cattle chute with a Load Bar and True Test scale.

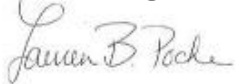
The generator will be placed on a new 10-foot (ft) x 10 ft concrete pad at coordinates 18.292289, - 65.941060. This generator will provide power to the water pump of the existing water well using an above-ground conduit. The installation of a cattle chute and a load bar will be located at coordinates 18.294630, -

65.937065. The system will be installed in a concrete pad of 10 ft x 5 ft. Water connections are currently installed with above-ground PVC tube piping.

Based on the submitted documentation, 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, EHP Senior Manager
LBP/JLE

Attachments

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ReGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		 <small>GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING</small>
Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen		
Case ID: PR-RGRW-01627		City: Carolina

Project Location: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina PR, 00778	
Project Coordinates: 18.294386, -65.938027	
TPID (Número de Catastro): 173-000-010-99, 173-000-010-11	
Type of Undertaking: <input type="checkbox"/> Substantial Repair <input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): c2020	Property Size (acres): 22.90 / 31.03

SOI-Qualified Architect/Architectural Historian: Maria F. Lopez Schmid
Date Reviewed: 10/26/2023
SOI-Qualified Archaeologist: Roberto G. Munoz-Pando, PhD
Date Reviewed: January 11, 2024

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 project consists of the purchase and installation of a power generator on a new concrete pad and installation of a second concrete pad for a new cattle chute with a Load Bar and True Test scale. This land was used for chicken production. Currently it is used for cattle pasture.

The scope of work 1 (SOW-1) is the purchase and installation of a power generator. The applicant plans to construct a 10-foot (ft)' x 10 ft concrete pad at coordinates 18.292289, -65.941060, for the installation of the new power generator. This generator will provide power to the water pump of the existing water well.

The scope of work 2 (SOW-2) is the installation of a cattle chute and a load bar at coordinates 18.294630, -65.937065. This is used to provide care and restrain the animal for different procedures. The system will be installed in a concrete pad of 10 ft x 5 ft.

Water connections are currently installed with above-ground PVC tube piping. The power generator is needed to provide energy to the water pump to supply water from the existing well to the existing 8,000-gallon storage water tank located northwest of the property. The generator will provide power with an above-ground electric conduit. Field is not graded.

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: Felix Gonzalez DBA Hacienda Doña Carmen	
Case ID: PR-RGRW-01627	City: Carolina

Area of Potential Effects


As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is the proposed location of the new generator and concrete pad (SOW 1) and the proposed location of the cattle chute and new concrete pad (SOW 2). A 15-meter buffer was applied to both locations to allow variation in final equipment installation, and the visual APE is the proposed project's viewshed.

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows the following characteristics for the project area. Based on our research efforts, no Archaeological Sites were found within the quarter-mile buffer of the APE. However, it is worth mentioning, one archaeological site has been reported. The Archaeological Site Barrazas (SHPO ID#: CL0100008/IPRC ID#: CA-71) is located 0.48 miles north and exhibits initial pre-colonial and colonial ceramics and lithics. However, the Insititute of Puerto Rican Culture (IPRC) reports that the site was destroyed.

Our research revealed one Phase IB survey titled "Documentacion de algunos yacimientos arqueologicos ubicados en el cuadrangulo de Gurabo, Carolina, PR" (IPRC ID#: CAT-CA-03-19-01) by Madeliz Gutierrez in 2003 which resulted in no data at the time of our research. The survey area covered the whole extent of the APE.

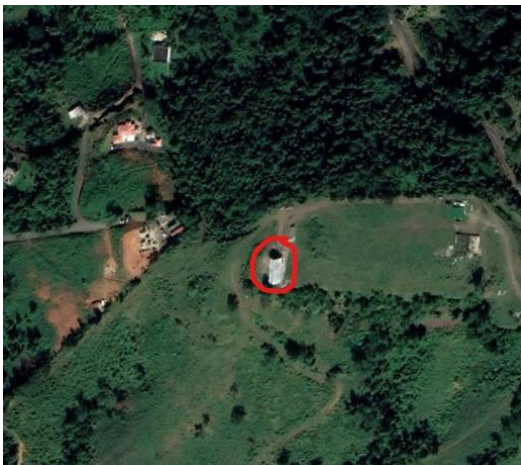
The APE consists of the following soil types. Most of the northern area of the 173-000-010-11 parcel of the APE is Caguabo clay loam (CbF) with 20 to 60 percent slopes. The southern area of the 173-000-010-11 parcel is composed of Sabana silty clay loam (SaF2), 40 to 60 percent slopes, eroded. The area has several water sources in proximity. The closest but very small is an unnamed stream 0.09 mi (0.15km), tributary of the Río Canovanillas to the northeast and it has the Quebrada Maracuto that runs 0.29 mi (0.47km) southwest. These soil conditions combined with the previous investigations and sites described above, make the probability of finding new, intact, and significant archaeological sites in the APE low to moderate.

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: Felix Gonzalez DBA Hacienda Doña Carmen		
Case ID: PR-RGRW-01627	City: Carolina	

Identification of Historic Properties - Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is **not** within the boundaries of a National Register of Historic Places (NRHP)-eligible or listed Traditional Urban Center or Historic District. Additionally, there are **no** NRHP-listed properties within the quarter mile buffer zone from the property's APE.


The proposed project is located in a rural, mountainous terrain surrounded by grasslands and mature vegetation. The APE lies west of the public road Carretera 945 in Carolina near the limit with the town of Gurabo to the west. A circa 2020 storage building, is located west of the APE's geocoordinates. The building, shown below, appears in a 2022 aerial image, but not in a 2020 aerial image.



Figures 1 & 2. Detail of 2020 aerial image indicating the location of the building on the property and building elevation, view to the west.

This building is an open one-story concrete storage building without doors or windows. This building has a concrete foundation, concrete walls, and metal front gable roofs over metal structure. The building has a portico entrance on the north side.

This building is modern, and it **does not** meet the requirements to be eligible for listing on the National Register of Historic Places.

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: Felix Gonzalez DBA Hacienda Doña Carmen		
Case ID: PR-RGRW-01627		City: Carolina

Determination


The following historic properties have been identified within the APE:

- Direct Effect:
 - N/A
- Indirect Effect:
 - N/A

Based on the results of our historic property identification efforts, the Program has determined that the project area is not within or adjacent to the boundaries of a National Register of Historic Places (NRHP)-eligible or listed historic district or Traditional Urban Center. No NRHP-listed/eligible historic properties are within or adjacent to the property or the parcel in which the Area of Potential Effect is located.

No known Archaeological sites or historic properties are within or adjacent to the property or the parcel in which the Area of Potential Effect is located. The project actions will not affect the historic properties that compose the Area of Potential Effect.

In conclusion, our research efforts within the quarter-mile buffer of the APE did not yield any archaeological sites. We did uncover a Phase IB survey conducted in 2003 by Madeliz Gutierrez that included the entire APE, but its results had no data in the database utilized at the time of our research. Given the soil conditions and the lack of significant findings discussed in the 'Identification of Historic Properties – Archaeology' section of this form, the likelihood of finding new, intact, and significant archaeological sites within the APE appears to be low to moderate. Therefore, no historic properties will be affected by the proposed project activities.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM ReGROW PUERTO RICO PROGRAM Section 106 NHPA Effect Determination		 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen		
Case ID: PR-RGRW-01627		City: Carolina

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

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

☒ No Historic Properties Affected

☐ No Adverse Effect

Condition (if applicable):

☐ Adverse Effect

Proposed Resolution (if applicable)

This Section is to be Completed by SHPO Staff Only

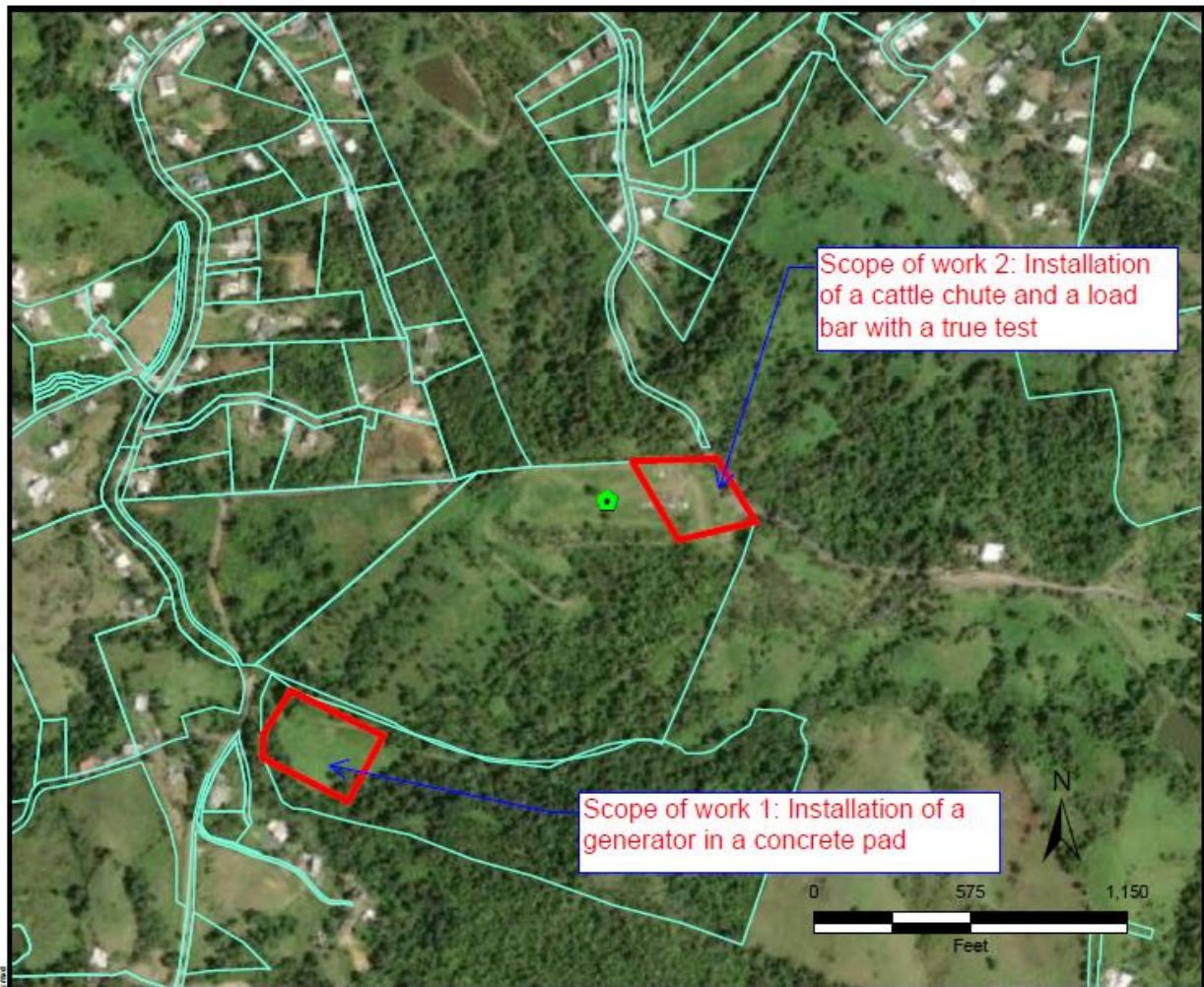
The Puerto Rico State Historic Preservation Office has reviewed the above information and:	
<input type="checkbox"/> Concurs with the information provided. <input type="checkbox"/> Does not concur with the information provided.	
Comments:	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina

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



TETRA TECH

Source: CRIM

Author: TG

Date: 1/23/2024

Legend

- Tier 2 Site
- Area of Potential Effect
- Parcelario

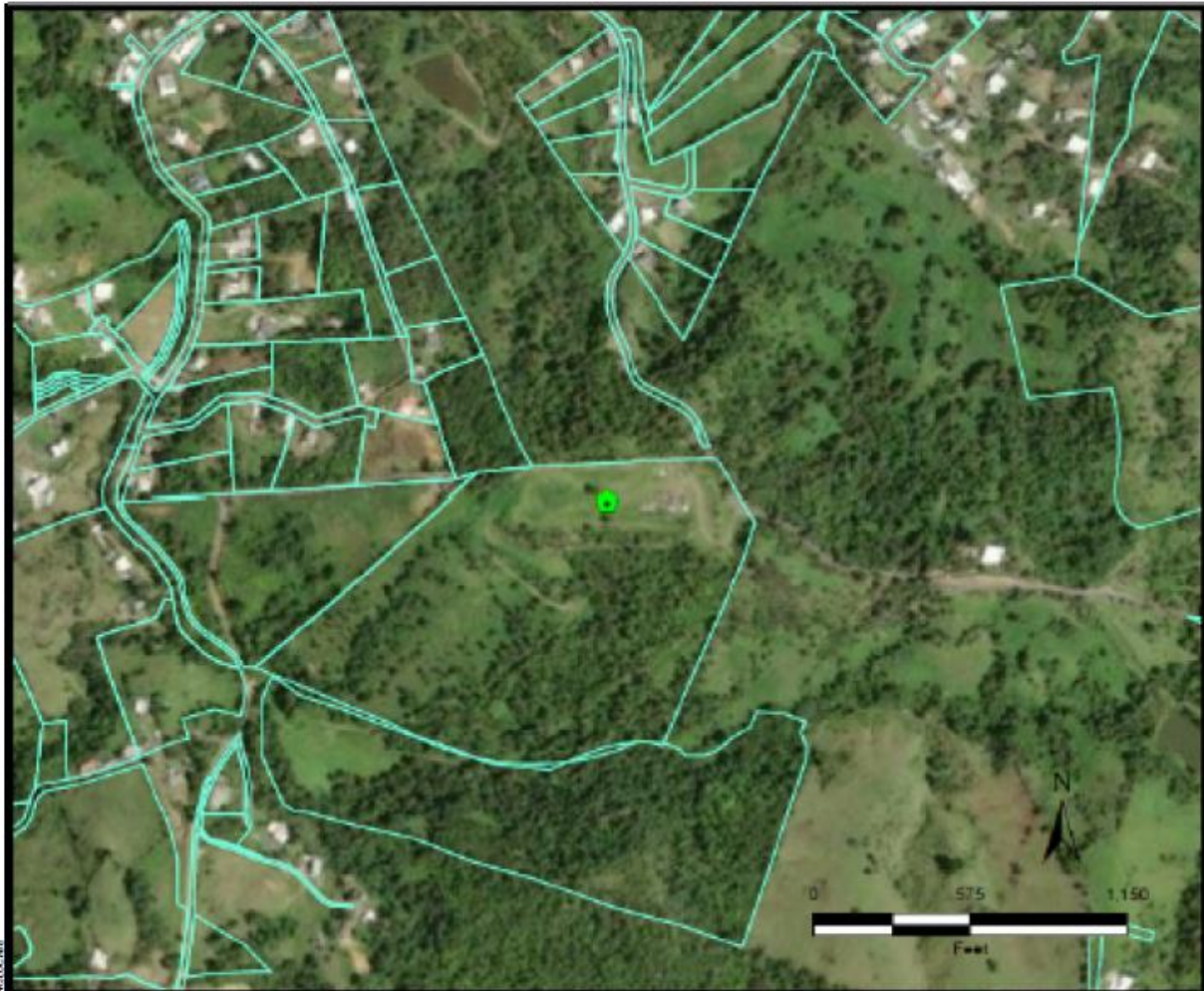


Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina

Project (Parcel) Location - Aerial Map








TETRA TECH

Source: CRIM

Author: TG

Date: 9/22/2022

Legend

-  Tier 2 Site
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon
-  Parcelario



Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina

Project (Parcel) Location - USGS Topographic Map







TETRA TECH

Source: USGS

Author: TG

Date: 9/19/2023

Legend

-  Tier 2 Site
-  Historic Comunidades
-  Traditional Urban Centers
-  Cultural Resource District Polygon

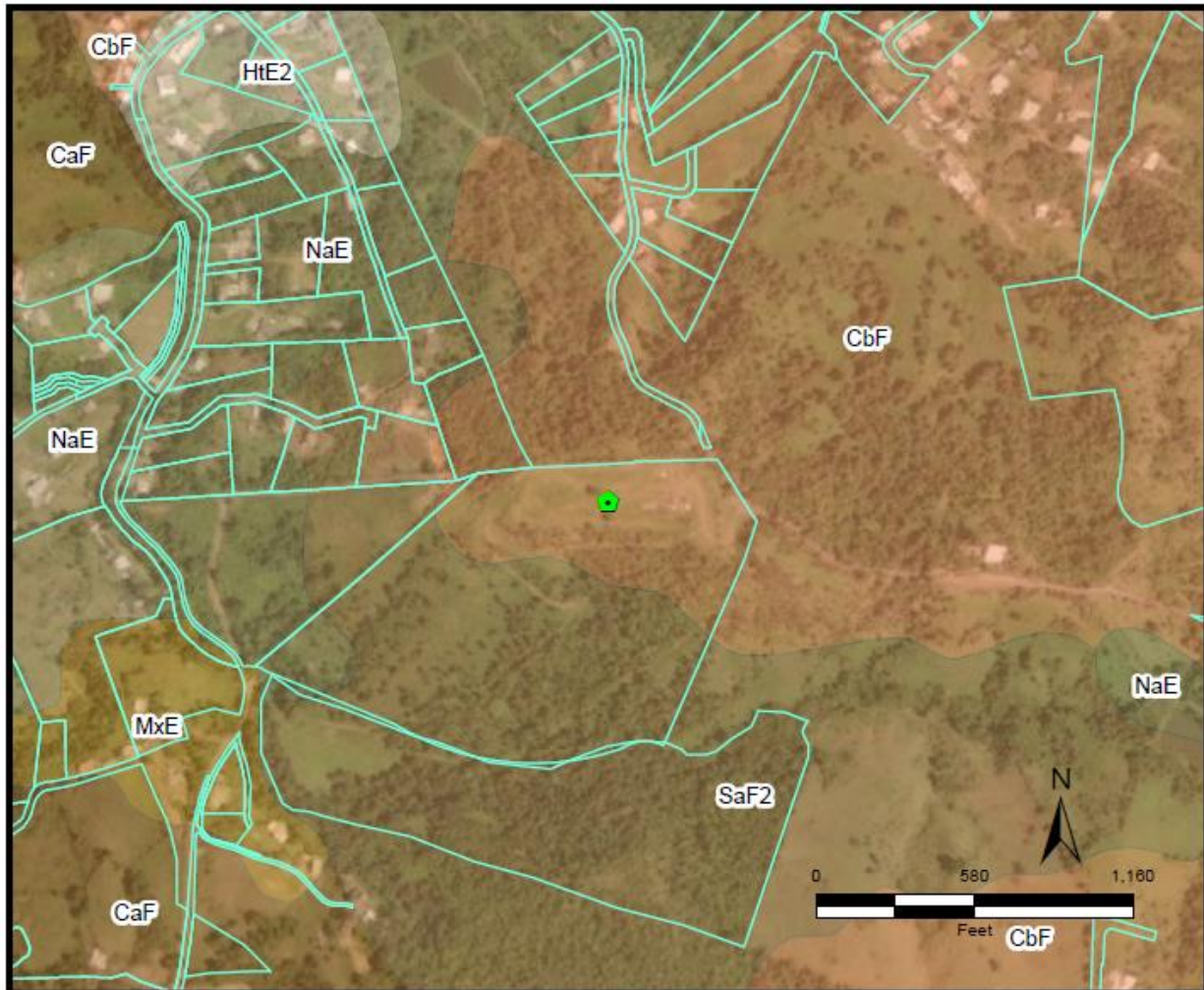


Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina

Project (Parcel) Location – Soils Map



TETRA TECH

Source: USDA

Author: TG

Date: 11/16/2023

- Legend**
- Tier 2 Site
 - Parcelario
 - Soil Type**
 - CaF: Caguabo clay loam, 40 to 60 percent slopes
 - CbF: Caguabo clay loam, 20 to 60 percent slopes
 - HtE2: Humades clay, 20 to 40 percent slopes
 - MxE: Mucara clay, 20 to 40 percent slopes
 - NaE: Naranjo silty clay loam, 20 to 40 percent slopes
 - SaF2: Sabana silty clay loam, 40 to 60 percent slopes, eroded

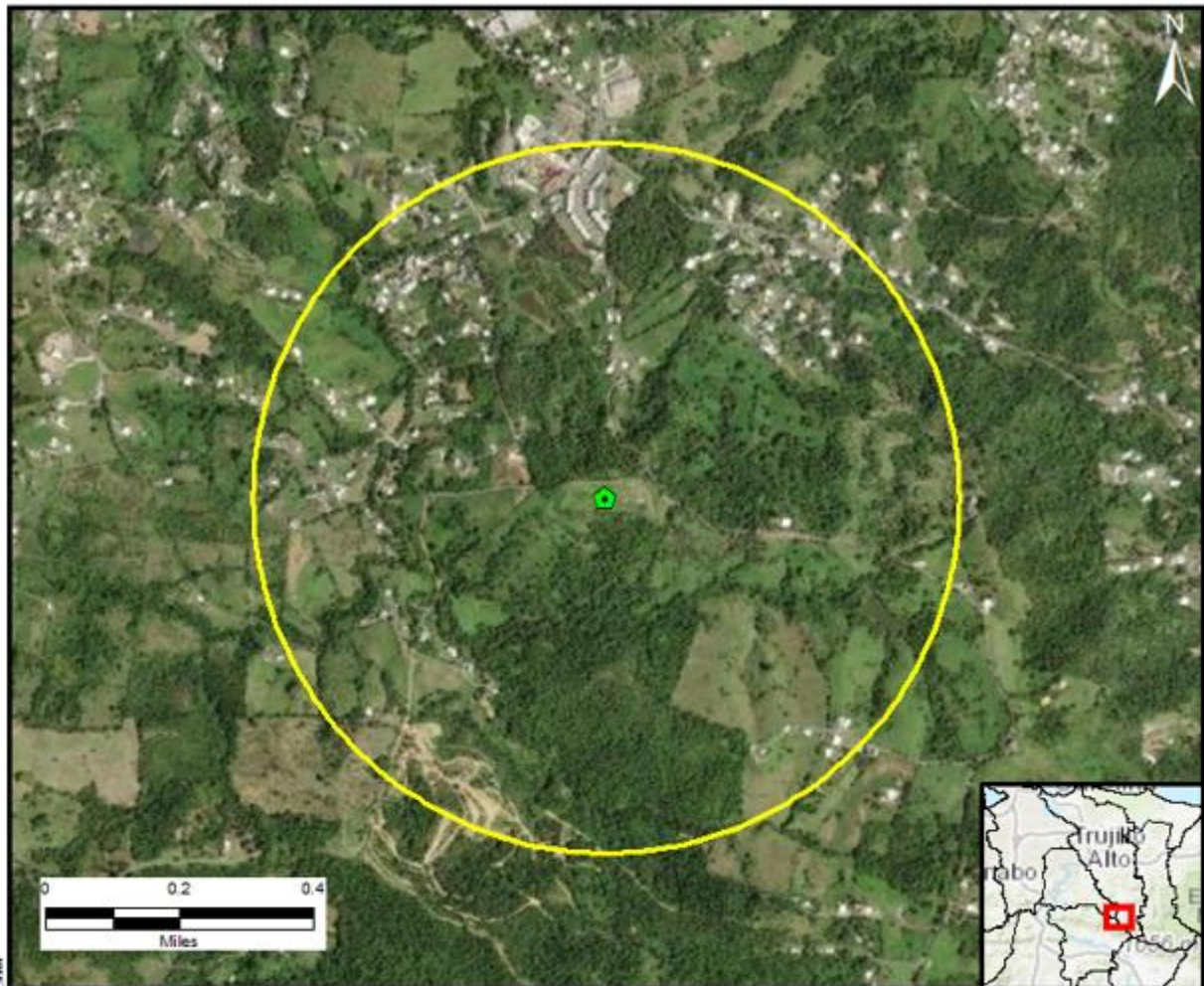


Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina

Project (Parcel) Location with Previous Investigations - Aerial Map



Source: National Park Service

Author: TG

Date: 7/27/2023

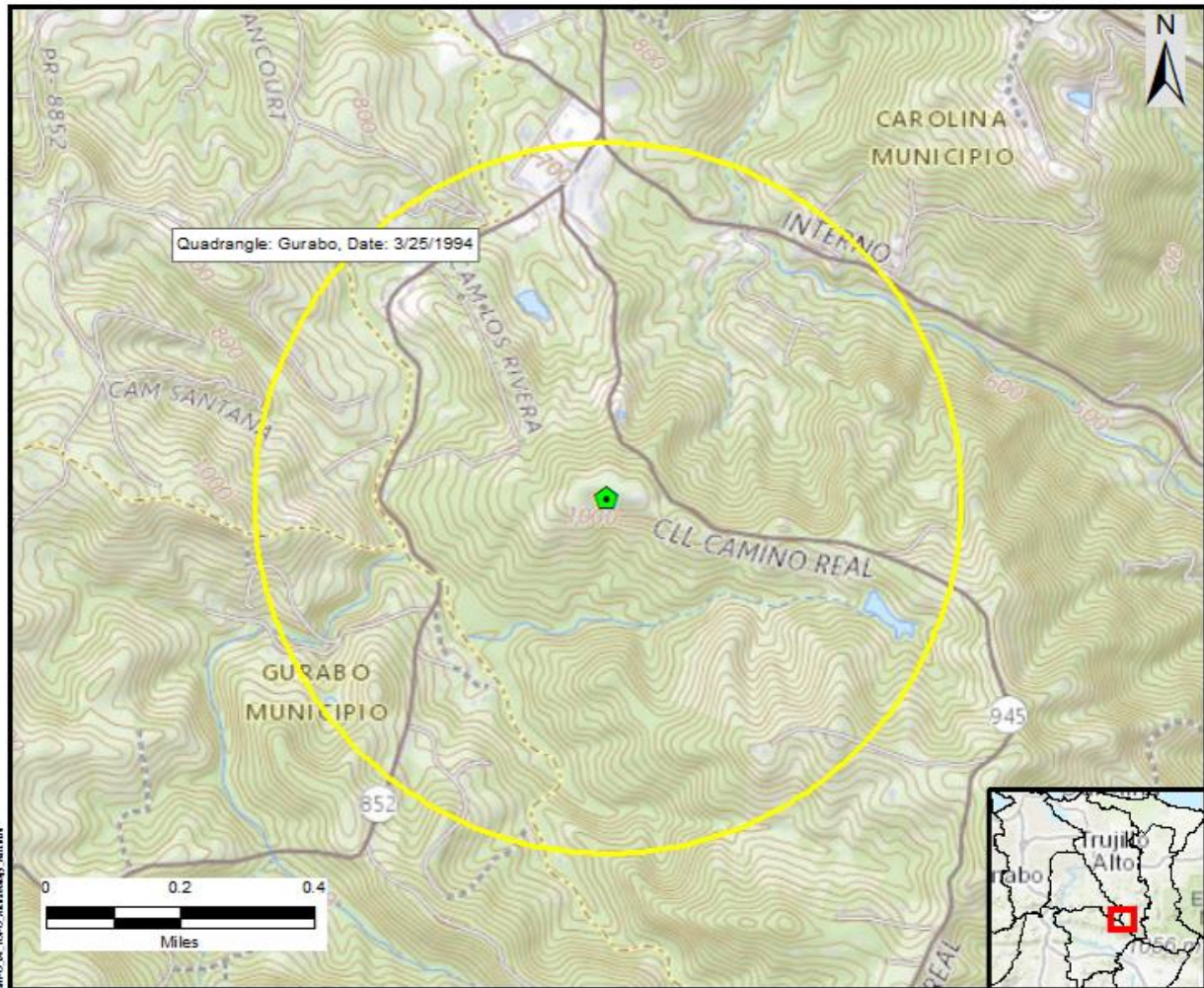
- Legend**
-  Tier 2 Site
 -  Half Mile Buffer
 -  Historic Comunidades
 -  Traditional Urban Centers
 -  Cultural Resource District Polygon

Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina

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



Source: National Park Service

Author: TG

Date: 7/21/2023

- Legend
- Tier 2 Site
 - Half Mile Buffer
 - Historic Comunidades
 - Traditional Urban Centers
 - Cultural Resource District Polygon

Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina

Photograph Key



Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina



Photo #: 1

Description (include direction): Scope of work 1: installation of a generator in a concrete pad, view to the East.

Date: 10/12/2023



Photo #: 2

Description (include direction): Scope of work 1: installation of a generator in a concrete pad, view to the South.

Date: 10/12/2023

Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina



Photo #: 3

Description (include direction): Scope of work 1: installation of a generator in a concrete pad, view to the North.

Date: 10/12/2023



Photo #: 4

Description (include direction): Scope of work 2: installation of a cattle chute and a load bar with a true test, view to the Northwest.

Date: 10/12/2023

Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina



Photo #: 5

Description (include direction): Scope of work 2: installation of a cattle chute and a load bar with a true test, view to the West.

Date: 10/12/2023



Photo #: 6

Description (include direction): Scope of work 2: installation of a cattle chute and a load bar with a true test, view to the Southeast.

Date: 10/12/2023



October 20, 2022

Arch. Carlos A. Rubio Cancela

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

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

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

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

Cordially,


Juan C. Pérez Bofill, P.E. M.Eng
Director of Disaster Recovery
CDBG DR-MIT

Radon Attachments



August 20, 2024

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

Via email: guerrero.carmen@epa.gov

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

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

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

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

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

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



August 20, 2024

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

Via email: silvina.cancelos@upr.edu

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

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

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

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

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

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

Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc:

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

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc:

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



August 20, 2024

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

Via email: OIA@cdc.gov

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

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Tel. (787) 274-2527 | www.viviendap.rg.pr.gov

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

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

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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary



August 20, 2024

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

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

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

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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

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



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

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

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

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

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

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

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

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

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



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

Via email: hweyers@usgs.gov

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

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

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

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

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

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

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

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

Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

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

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

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

Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

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

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

Good morning, Sandra and others,

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

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

If you have any additional questions, please contact me.

Thank you and best regards,

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



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

Dear Ms. Medina Smaine,

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

Best regards,

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

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

Good afternoon. Ms. Medina

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

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

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

Saludos.

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

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

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

Estimada Melanie Medina

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

Atentamente

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



Bubble Dynamics Lab
University of Puerto Rico - Mayaguez



EPA REGION 2
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION

September 23, 2024

VIA EMAIL

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

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

Dear Honorable Secretary Rodriguez Rodriguez:

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

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

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

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

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

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

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

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

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

2

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

Sincerely,

**CARMEN
GUERRERO
PEREZ**

Carmen R. Guerrero Pérez
Director

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

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



United States Department of the Interior

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



In Reply Refer to:
FWS/R4/CESFO/72031-Gen

Submitted Via Electronic Mail (jcperez@vivienda.pr.gov)

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

Re: CDBG-DR PR-RGRW-01627 Félix González DBA
Hacienda Doña Carmen, Carolina, Puerto Rico

Dear Mr. Pérez-Bofill

Thank you for your letter dated October 08, 2024, requesting informal consultation on the above referenced project. As per your request, our comments are provided under the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

The Puerto Rico Department of Housing (PRDOH) is proposing the purchase and installation of a 13kVA diesel Kohler power generator, installation of a cattle chute and a load bar and the purchase of an irrigation system. The project will be located at State Road PR-945 and State Road PR-853, Km 11.6, Bo. Barrazas in the municipality of Carolina, Puerto Rico. The proposed scope of work (SOW) consist of the following:

SOW 1: Installation of a 13kVA diesel Kohler power generator (18°17'32.2"N 65°56'27.8"W)

- Construction of an on-site poured 10 feet (Ft) x 10 Ft concrete pad.
- Concrete pad construction will require a ground disturbance with a maximum depth of 1 Ft.

SOW 2: Installation of a cattle chute and a load bar (18°17'40.7"N 65°56'13.4"W)

- Construction of a new concrete pad of 10 Ft x 5 Ft.
- Concrete pad construction will require a ground disturbance with a maximum depth of 1.5 Ft.

SOW 3: Irrigation system (18°17'40.7"N 65°56'14.9"W)

- The irrigation system will consist of a water reel with a hose.
- The irrigation system and the proposed water trough and feeder are movable. All movable

equipment will be stored in the existing warehouse.

According to PRDOH, the land was previously used for chicken production but currently is used as cattle pasture. Surrounding landscape includes hilly forests surrounding the parcel, with hilly pasture within. The project site will require clearing, grubbing, grading, and vegetation, brush and shrubs removal. However, proposal does not contemplate cutting, pruning or transplanting of trees.

Using the Information for Planning and Consultation (IPaC) system the proponent has determined that the proposed project lies within the range of Puerto Rican boa (*Epicrates inornatus* now known as *Chilabothrus inornatus*), Puerto Rican parrot (*Amazona vittata*) and Puerto Rican broad-winged hawk (*Buteo platypterus brunnescens*).

PRDOH used the Caribbean Determination Key (DKey) in the IPaC application to evaluate the potential impacts of the proposed project on federally listed species (Project code: 2024-0002520). Based on the answers provided, a concurrence letter was obtained for the Puerto Rican boa, and Puerto Rican broad-winged hawk, which determined that the proposed actions for this project may affect but is not likely to adversely affect (NLAA) these species. Conservation measures for these species will be implemented. As for the Puerto Rican parrot, a consultation is required.

Based on the nature of the project, scope of work, information available, and analysis of the IPaC lists together with field direct observations of the area where the project will be developed, PRDOH has determined that the proposed project may affect, but is not likely to adversely affect the Puerto Rican parrot with the implementation of the conservation measures.

We have reviewed the information provided in your letter and our files, and concur with your determination that the proposed project may affect, but is not likely to adversely affect the Puerto Rican parrot with the implementation of the conservation measures. Also, the Service acknowledge receipt of the NLAA concurrence letter obtained using the Dkey.

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

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

Sincerely,

LOURDES
MENA

Digitally signed by
LOURDES MENA
Date: 2024.11.23
15:13:31 -04'00'

Lourdes Mena
Field Supervisor

drr



Detailed Facility Report

Facility Summary

PUERTO RICO AGGREGATES

PR-853 KM 2.3 BO BARRAZAS, CAROLINA, PR 00985

FRS (Facility Registry Service) ID: 110054206550

EPA Region: 02

Latitude: 18.301611

Longitude: -65.938077

Locational Data Source: NCDB

Industries: Mining (except Oil and Gas)

Indian Country: N

Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	09/09/2015
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): Operating Minor (PR0000007203100001)

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

Other Regulatory Reports

Air Emissions Inventory (EIS): 15514711

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110054206550					N	18.301611	-65.938077
ICIS-Air	CAA	PR0000007203100001	Minor Emissions	Operating	CAANSPP, CAASIP		N	18.301611	-65.938083
EIS	CAA	15514711					N	18.3604	-65.9517

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110054206550	PUERTO RICO AGGREGATES	PR-853 KM 2.3 BO BARRAZAS, CAROLINA, PR 00985	Carolina Municipio
ICIS-Air	CAA	PR0000007203100001	PR AGGREGATES	RD 853 KM 2.5 BO. BARRAZAS, CAROLINA, PR 00983	Carolina Municipio
EIS	CAA	15514711	PR AGGREGATES	PR-853, KM 2.3 BARRAZAS WARD, CAROLINA, PR 00771	Carolina Municipio

Facility SIC (Standard Industrial Classification)

Facility NAICS (North American Industry

Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007203100001	1411	Dimension Stone

Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
EIS	15514711	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
ICIS-Air	PR0000007203100001	212311	Dimension Stone Mining and Quarrying

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007203100001	No	05/11/2024	0	05/10/2024

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
CAA (Source ID: PR0000007203100001)		07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	HPV History												
	Violation Type	Agency	Programs	Pollutants									

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
--	---	---	---------------------------------	--------------------------------------	--	---

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
-------	--------------	--------------------	----------------------	-----------------	-----------------------	--------------------	----------------	----------------------	----------------	-----------

No data records returned

Air Quality Nonattainment Areas

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

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Environmental Justice

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

Potential Environmental Justice Concerns

US Territory

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90%

Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

EJScreen Indexes Shown

Index Type

Supplemental (default)

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720310510013	US (Percentile)			State (Percentile)		
	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Count of Indexes At or Above 90th Percentile	2	3	6	0	0	5
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	11	16	36	57	68	92
Air Toxics Cancer Risk	52	35	58	45	0	97
Air Toxics Respiratory Hazard Index	33	35	44	46	58	96
Toxic Releases to Air	88	91	98	20	25	40
Traffic Proximity	74	53	74	26	10	26
Lead Paint	78	65	99	40	28	94
Risk Management Plan (RMP) Facility Proximity	95	92	98	59	51	75
Hazardous Waste Proximity	87	83	96	41	35	62
Superfund Proximity	99	99	99	69	67	91
Underground Storage Tanks (UST)	0	0	92	0	0	73
Wastewater Discharge	82	43	98	12	3	36

Map Display Based on: ☒ US ☐ State

Display Map Layer

Summary - Number of Indexes

☐ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (U.S. Census)	
Total Persons	2,867
Population Density	903/sq.mi.
Housing Units in Area	1,142

General Statistics (ACS (American Community Survey))	
Total Persons	2,921
Percent People of Color	100%
Households in Area	877
Households on Public Assistance	31
Persons With Low Income	2,013
Percent With Low Income	70%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.301611
Center Longitude	-65.938077
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	246 (27.99%)
\$15,000 - \$25,000	140 (15.93%)
\$25,000 - \$50,000	252 (28.67%)
\$50,000 - \$75,000	143 (16.27%)
Greater than \$75,000	98 (11.15%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	204 (7%)
Minors 17 years and younger	815 (28%)
Adults 18 years and older	2,052 (72%)
Seniors 65 years and older	332 (12%)

Race Breakdown (U.S. Census) - Persons (%)	
White	2,205 (77%)
African-American	339 (12%)
Hispanic-Origin	2,851 (99%)
Asian/Pacific Islander	2 (0%)
American Indian	12 (0%)
Other/Multiracial	309 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	492 (23.26%)
9th through 12th Grade	136 (6.43%)
High School Diploma	584 (27.61%)
Some College/2-year	173 (8.18%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	520 (24.59%)



Detailed Facility Report

Facility Summary

VILLAS DEL GIGANTE, CAROLINA

INTERCEPT OF PR-852 & PR-853, CAROLINA, PR 00985

FRS (Facility Registry Service) ID: 110009700804

EPA Region: 02

Latitude: 18.300583

Longitude: -65.937417

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	05/19/2016
Compliance Status	Significant/Category I Noncompliance
Qtrs in Noncompliance (of 12)	10
Qtrs with Significant Violation	5
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Admin Continued (PR0026042)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110009700804					N	18.300583	-65.937417
ICIS		2446776					N	18	-56.166667
ICIS-NPDES	CWA	PR0026042	Non-Major: NPDES Individual Permit	Admin Continued	POTW	10/31/2020	N	18	-56.166667

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110009700804	VILLAS DEL GIGANTE, CAROLINA	INTERCEPT OF PR-852 & PR-853, CAROLINA, PR 00985	Carolina Municipio
ICIS		2446776	VILLAS DEL GIGANTE CARLINA	INTERCEPT OF PR-852 & PR-853, CAROLINA, PR 00985	Carolina Municipio
ICIS-NPDES	CWA	PR0026042	VILLAS DEL GIGANTE, CAROLINA	INTERCEPT OF PR-852 & PR-853, CAROLINA, PR 00985	Carolina Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PR0026042	4952	Sewerage Systems

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
CWA	Color [PT-CO units] <effluent-charts#pr0026042/00080> <https://epa.gov/effluent-charts#pr0026042/00080>	001 - A	Effluent Gross	NMth		LIMIT VIOLATION							LIMIT VIOLATION	
CWA	Copper, total [as Cu] <effluent-charts#pr0026042/01042> <https://epa.gov/effluent-charts#pr0026042/01042>	001 - A	Effluent Gross	NMth								36%	155%	
CWA	Solids, suspended percent removal <effluent-charts#pr0026042/81011> <https://epa.gov/effluent-charts#pr0026042/81011>	001 - A	Effluent Gross	Neither								160%		119%
CWA	Solids, total suspended <effluent-charts#pr0026042/00530> <https://epa.gov/effluent-charts#pr0026042/00530>	001 - A	Effluent Gross	Mthly				21%						
CWA	Sulfide, total [as S] <effluent-charts#pr0026042/00745> <https://epa.gov/effluent-charts#pr0026042/00745>	001 - A	Effluent Gross	NMth							150%			
CWA	Surfactants [MBAS] <effluent-charts#pr0026042/38260> <https://epa.gov/effluent-charts#pr0026042/38260>	001 - A	Effluent Gross	NMth						182%	688%			

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100050412	Rio Canovanillas	MARACUTO CREEK, CAROLINA	No	No	BOD, 5-day, 20 deg. C BOD, 5-day, percent removal Coliform, fecal - % sample exceeds limit Coliform, fecal general Coliform, total general Oxygen, dissolved (DO)	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRER14C	RIO CANOVANILLAS	Impaired - 303(d) Listed - With Restoration Plan	ORGANIC ENRICHMENT/OXYGEN DEPLETION PATHOGENS	Insufficient Information	Not Supporting	--	Not Supporting	--

Air Quality Nonattainment Areas

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

Pollutants

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

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

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

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings DMR and TRI Multi-Year Loading Report

NPDES ID	Description	2019	2020	2021	2022	2023
PR0026042	DMR Pollutant Loadings (lb/year)	8,990	5,463	9,256	11,851	4,561
PR0026042	DMR Pollutant Loadings - Load Over Limit (lb/year)	26.97	115	34.26	85.11	98.69
PR0026042	DMR Conventional Loadings (lb/year)	--	--	--	786	--
PR0026042	DMR Conventional Loadings - Load Over Limit (lb/year)	--	--	--	0	--
PR0026042	DMR Toxic-Weighted Loadings (lb-eq/year)	9.70	8.74	11.98	10.74	4.56
PR0026042	DMR Toxic-Weighted Loadings - Load Over Limit (lb-eq/year)	0	0	0	0	0.0239

Community

Environmental Justice

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Index Type

Supplemental (default)

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Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	11	16	24	57	68	92
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Air Toxics Respiratory Hazard Index	33	35	44	46	58	96
Toxic Releases to Air	88	91	98	20	25	40
Traffic Proximity	74	54	74	26	11	26
Lead Paint	78	67	99	40	29	94
Risk Management Plan (RMP) Facility Proximity	95	92	98	59	52	75
Hazardous Waste Proximity	87	83	96	41	35	62
Superfund Proximity	99	99	99	69	67	91
Underground Storage Tanks (UST)	0	0	--	0	0	--
Wastewater Discharge	82	44	98	12	4	36

Map Display Based on: ☒ US ☐ State

Display Map Layer

Summary - Number of Indexes

☐ Facility 1-mile Radius ☐ Facility Census Block Group





Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (U.S. Census)	
Total Persons	2,756
Population Density	892/sq.mi.
Housing Units in Area	1,099
General Statistics (ACS (American Community Survey))	
Total Persons	2,855
Percent People of Color	100%
Households in Area	862
Households on Public Assistance	30
Persons With Low Income	1,980
Percent With Low Income	70%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.300583
Center Longitude	-65.937417
Land Area	100%
Water Area	0%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	243 (28.19%)
\$15,000 - \$25,000	133 (15.43%)
\$25,000 - \$50,000	251 (29.12%)
\$50,000 - \$75,000	139 (16.13%)
Greater than \$75,000	96 (11.14%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	201 (7%)
Minors 17 years and younger	780 (28%)
Adults 18 years and older	1,976 (72%)
Seniors 65 years and older	322 (12%)
Race Breakdown (U.S. Census) - Persons (%)	
White	2,138 (78%)
African-American	317 (12%)
Hispanic-Origin	2,741 (99%)
Asian/Pacific Islander	2 (0%)
American Indian	11 (0%)
Other/Multiracial	288 (10%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	481 (23.27%)
9th through 12th Grade	129 (6.24%)
High School Diploma	563 (27.24%)
Some College/2-year	176 (8.51%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	514 (24.87%)



December 2, 2024

TO: José M. Olmo Terrasa, Esq.
Deputy Director for Economic Recovery Grant Management Re-Grow PR
Urban Rural Agriculture Program

**RE: Endangered Species Concurrence - Conservation Measures
Implementation Felix González DBA Hacienda Doña Carmen (PR-
RGRW-01627)**

Dear Mr. Olmo:

This memorandum is to notify the Re-Grow PR Urban-Rural Agriculture Program (Re-Grow Program) that on October 8, 2024, for the case **PR-RGRW-01627**, the CDBG-DR/MIT Permits and Environmental Compliance Division submitted an informal consultation under Section 7 (a) (2) of the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.) for the proposed project, which includes three scopes of work (SOW) within the parcel. The first SOW consists in the purchase and installation of a 13kVA diesel Kohler power generator. The second SOW consists in the installation of a cattle chute and a load bar. Finally, the third SOW consists in the purchase of an irrigation system for Felix González DBA Hacienda Doña Carmen, an agricultural business, located PR-945 – PR-853 Km 11.6, Barrazas Ward, Carolina, PR 00778; latitude 18.292336, longitude -65.941406.

Using the Information for Planning and Consultation (IPaC) system, the proponent has determined that the proposed project lies within the range of the following federally listed species:

Name of Species	Status
Puerto Rican Boa	Endangered
Puerto Rican Broad-winged Hawk	Endangered
Puerto Rican Parrot	Endangered
Critical Habitat	
There were no Critical Habitats noted within the project area.	

The United States Fish and Wildlife Service (USFWS) Caribbean Ecological Services Field Office reviewed the information provided and their files, and on November 23, 2024 concurred with the determination that the proposed project actions **May Affect, but is Not Likely to Adversely Affect (NLAA)** the Puerto Rican Broad-winged Hawk, Puerto Rican Parrot, and the Puerto Rican Boa Pigeon.

The USFWS NLAA concurrence is conditioned to the following: (1) if a Boa is encountered, the Conservation Measures will be in accordance with the USFWS Puerto Rican Boa Conservation Measures 2024, (2) if a Puerto Rican Parrot is encountered on the site, the USFWS Caribbean Office will be notified immediately, (3) if a Puerto Rican Broad-winged Hawk is encountered on the site, the USFWS Caribbean Office will be notified immediately.

Obligations under section 7 of the Act must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner that was not previously considered; (2) this action is subsequently modified in a manner not previously considered in this assessment; or, (3) a new species is listed, or critical habitat determined that may be affected by the identified action.

In conclusion, the USFWS concurred with the CDBG-DR/MIT Permits and Environmental Compliance Division NLAA determination. However, **the applicant must be informed about the conditions of the determination of concurrence and implement them as described.**

In order to facilitate the species identification, please, find attached the Caribbean Endangered and Threatened Animals Fact Sheets for: the Puerto Rican Broad-winged Hawk, Puerto Rican Parrot, and the Puerto Rican Boa

USFWS Caribbean Ecological Services Field Office key contact information:

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

Sincerely,

Permits and Environmental Compliance
Division Disaster Recovery Office

Caribbean ES Puerto Rican Boa

Puerto Rican Boa

Generated August 01, 2024 02:11 PM UTC, IPaC v6.112.0-rc2





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

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

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

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



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

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

Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.
2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.
3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or project personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.
4. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #5). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: (787) 724-5700, (787) 230-5550, (787) 771-1124). **If immediate relocation is not an option, project-related activities at that area must stop until the boa moves out of harm's way on its own.** Activities at other work sites, where no boas have been found after surveying the area, may continue.
5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

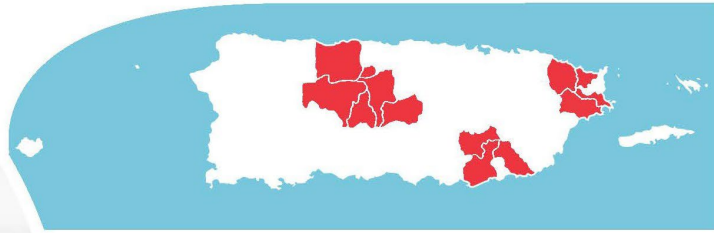
6. If a PR boa is captured by PRDNER personnel, record the name of that person and information on where the PR boa will be taken. This information should be reported to the Service.
7. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal, and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #4). If not possible, the animal should be left alone until it leaves the vehicle on its own.
8. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
9. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #5). If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.
10. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

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

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

Guaraguao de bosque

Buteo platypterus brunnescens



Distribución

Información biológica

Reproducción

Esta especie anida en bosques secundarios maduros y plantaciones antiguas. En el Bosque Estatal de Río Abajo (RACF, por sus siglas en inglés), los sitios de anidación están caracterizados por la presencia de árboles tales como el palo Marfa (*Calophyllum antillanum*), la teca (*Tectona grandis*), la caoba hondureña (*Swietenia macrophylla*) y la majagua (*Hibiscus elatus*). Los guaraguao de bosque colocan sus nidos en la parte superior de árboles grandes que sobrepasan la cubierta forestal. Información recientemente recopilada sobre la abundancia y características demográficas del guaraguao de bosque en RACF indica un alto nivel de fidelidad entre parejas; una tasa de sobrevivencia en nidos de 0.67 a través de la temporada de reproducción; y una productividad de 1.1 crías por nido. Entre los años 2001 a 2003, se marcaron con radio transmisores y se colocaron bandas en las patas a varias crías de guaraguao de bosque en el RACF. En 2013, al visitar el área donde se marcaron, se documentó que seguían vivas (Llerandi-Roman and Rios-Cruz pers. comm.). Por ejemplo, una hembra joven que fue marcada entre el 2001 al 2003 en el RACF fue documentada anidando exitosamente entre los años 2007 al 2009. (Rios-Cruz pers. comm.)

Habitat

Esta especie habita en bosques enanos, bosques de palmas de sierra, de caimitillo-granadillo y de tabonuco. Estos bosques se encuentran en las reservas forestales del Bosque Estatal de Carite, Bosque Estatal Toro Negro, Bosque Los Tres Picachos y el Bosque Nacional El Yunque. También habita en

Familia: Accipitridae
Orden: Falconiformes

Descripción

El guaraguao de bosque de Puerto Rico o guaraguaito es de color marrón oscuro con barras blancas y rojizas en la parte ventral. Es una subespecie endémica de Puerto Rico de tamaño mediano, que mide aproximadamente 39 centímetros (15.5 pulgadas). Es más pequeño que el *Buteo platypterus platypterus* pero más grande que la subespecie que ocurre en las Antillas Menores. El guaraguao de bosque es la subespecie de halcón de ala ancha más oscura. En los adultos, la cola es de un color negro claro con bandas blancas horizontales en la base, medio y extremo de la cola, y esto, junto con el pecho rojizo, caracteriza a la especie. Los machos y las hembras son muy similares en apariencia, pero las hembras son un poco más grandes. Las aves juveniles tienen barras oscuras en el pecho y no tienen las bandas distintivas en la cola. La población del guaraguao de bosque de Puerto Rico oscila cerca de los 125 individuos.

plantaciones madereros maduros, en cafetales bajo sombra y en bosques secundarios maduros del área de carso al norte-central de Puerto Rico dentro y cerca del Bosque Estatal de Rfo Abajo y el área de Rfo Encantado entre los pueblos de Aorida y Ciales. La topografía húmeda de los bosques del carso le provee al guaraguao de bosque otra alternativa como área para anidar. En estudios recientes, se han documentado miembros de una especie similar de guaraguao (guaraguao de cola roja; *Buteo jamaicensis jamaicensis*) anidando en las laderas del carso adyacentes al RACF.

Distribución

El guaraguao de bosque es un ave de rapía poco común y extremadamente localizado, que se encuentra en los bosques montañosos de tierra alta de Puerto Rico. Las poblaciones existentes se hallan primariamente dentro de cinco bosques: el RACF, el Bosque Estatal Carite, el Bosque Estatal Toro Negro, el Bosque Los Tres Picachos y el Bosque Nacional El Yunque. Llerandi-Roman (2006) halló trece territorios de guaraguao de bosque justo fuera de los límites de RACF, en seis sitios diferentes con hábitat apropiado para los guaraguas de bosque. Los territorios se encuentran a lo largo del valle del Rfo Tanama, al noroeste del RACF.

Amenazas

La abundancia y la distribución del guaraguao de bosque es limitada. Cualquier amenaza que atente contra su población y su hábitat puede resultar en detrimento para esta especie. De forma natural, los huracanes constituyen una amenaza ya que destruyen su hábitat debido a las intensas lluvias y a los fuertes vientos. No obstante, existe una gran variedad de actividades humanas que también amenazan las poblaciones de esta especie. La construcción de instalaciones recreativas, de estructuras para energía y comunicaciones y de carreteras contribuye a la destrucción y fragmentación de su hábitat. De igual manera, la caza ilegal, las malas prácticas de manejo y la carencia de planes de manejo para los bosques públicos también afectan las poblaciones del guaraguao de bosque. Los bajos números poblacionales de esta especie pueden, por sí mismos, estar afectando la población ya que se pierde la variación genética de esta.

Medidas de conservación

El guaraguao de bosque está incluido en la lista de especies amenazadas desde el 1994. La Ley Federal de Especies en Peligro de Extinción de 1973, según enmendada, prohíbe matar, dañar, molestar, atrapar, comprar o vender una especie, así como partes o productos derivados de ellas. El tener la especie en la lista federal fomenta y ayuda a crear acciones de conservación por las agencias federales, estatales, privadas, y por grupos e individuos particulares. La Ley de Especies En Peligro fomenta la compra de terrenos y la cooperación con el Estado, y requiere que se ejecuten acciones de recuperación en relación a todas las especies listadas. Entre las medidas esenciales para proteger el hábitat y fomentar el crecimiento de las poblaciones existentes están: la protección de los sitios de anidamiento y alimento en las áreas públicas y privadas, el mejoramiento de los hábitats, la reforestación en áreas abiertas, la actualización de la información acerca de la distribución y la identificación o creación de corredores biológicos entre poblaciones cercanas (tales como RACF, Los Tres Picachos y Toro Negro) con tal de facilitar el movimiento de los guaraguas de bosque entre los bosques.

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Informaci6n adicional

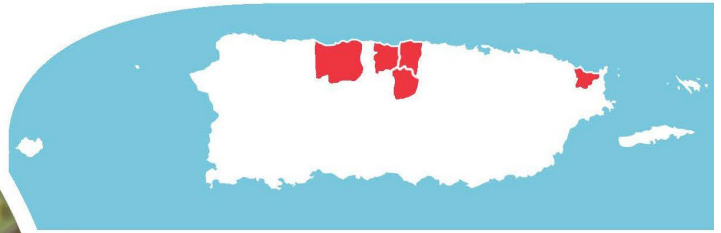
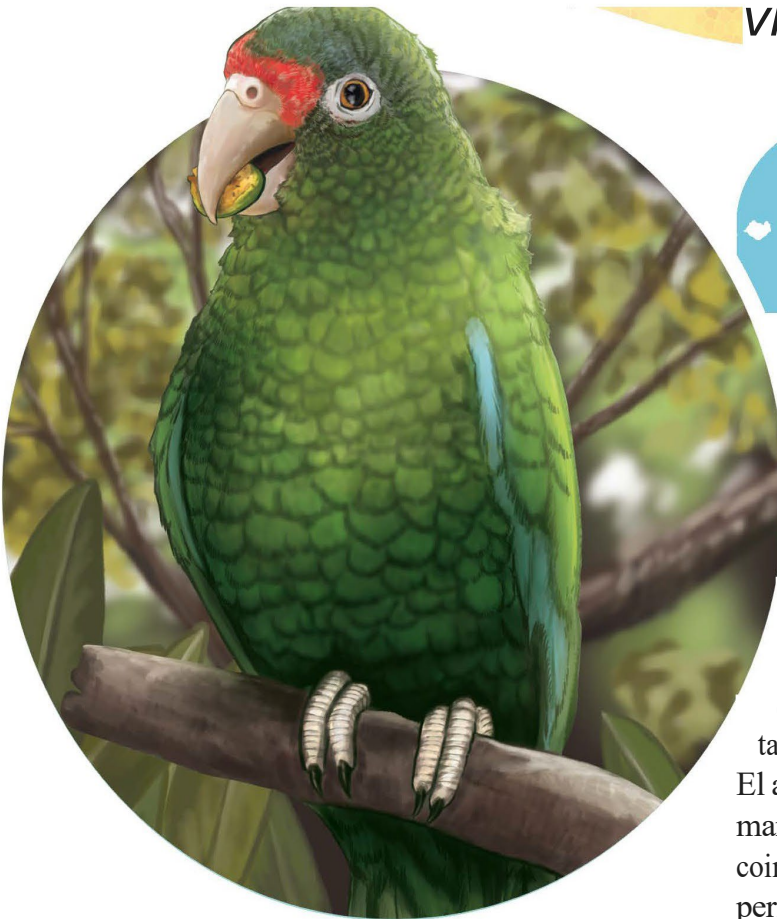
Oficina de Servicios Ecol6gicos del Caribe
Direcci6n: PO Box 491, Boquer6n, PR 00622
Telefono: 787-851-7297 / Fax: 787-851-7440
Internet: www.fws.gov/caribbean



AMENAZADA

Cotorra RUertorriquena Amozono

vittata vittata



Distribuci6n

parejas que perduran por mucho tiempo, normalmente de por vida. Las parejas permanecen juntas casi todo el afo, excepto cuando la hembra esta incubando y el macho asume la responsabilidad de proveer alimento. La cotorra usa como nido las cavidades que se encuentran en arboles de gran tamafo como el palo colorado (*Cyrilla racemiflora*), entre otros. De ser necesario, tambien podrf a anidar en las cavidades de roca caliza. El anidamiento comienza en los meses de febrero y marzo, hasta junio. Tradicionalmente, la anidaci6n coincide con el periodo mas seco del afo y durante el periodo de fructificaci6n (producir frutos) de plantas cuyas semillas, frutas y hojas le sirven de alimento.

Familia: Psittacidae

Orden: Psittaciformes

Descripci6n

La cotorra puertorriquefia o Iguaca, como la llamaban los indios tainos, es un ave verde brillante con una mancha roja en la frente, un anillo blanco alrededor del ojo y plumas primarias azules. Su pico es color marfil y el horde de su cola es redondo. Los juveniles son bastante parecidos a los adultos. Tanto hembras como machos son parecidos y miden cerca de doce pulgadas (aprox. 30 centimetros). A veces, la franja roja en la frente es mas ancha en los machos que en las hembras. Mientras vuela emite un fuerte y ruidoso "kar...kar." Este sonido se escucha a gran distancia. Emite otros sonidos para comunicarse con otras cotorras y para defender su territorio.

Informaci6n biol6gica

Reproducci6n

La cotorra puertorriquefia alcanza su edad reproductiva entre los 3 a 5 afios. Las cotorras usualmente forman

Dieta

La cotorra come plantas tales como: palma de sierra, palma real, maricao, maria, guaba, cupey, guaraguo y yagrumo, entre otros arboles.

Distribuci6n

La cotorra puertorriquefia, ave endemica a Puerto Rico fue abundante en Puerto Rico, incluyendo las islas de Culebra, Vieques y Mona. Esta cotorra es la ultima especie de psitacidos existentes y originaria en territorio de los Estados Unidos. Los psitacidos son la familia de aves, en su mayorfa tropicales, con plumas de colores vivos y pico corto, alto y muy encorvado (ej. guacamayo y cotorra). La poblaci6n silvestre de cotorras puertorriquefias se limita actualmente a la Sierra de Luquillo, mayormente en el Bosque Nacional El Yunque, al este de Puerto Rico y en el Bosque Estatal de *Rio* Abajo, en el norte central de Puerto Rico, entre Arecibo y Utuado. Al menos tres de las cotorras liberadas en *Rio* Abajo se han dispersado yen 2012 fueron vistas entre Morovis, Vega Baja y Manati.

Amenazas

Además de tener una población pequeña y una distribución limitada, la especie también se ve afectada por el zorzal pardo (*Margarops fuscatus*) quien mata los huevos y pichones de la cotorra para usar el nido. El guaraguao colirojo (*Buteo jamaicensis*), el guaraguaito de bosque (*Buteo platypterus brunnescens*) y las ratas (*Rattus rattus* y *R. norvegicus*) son depredadores mortales de cotorras juveniles y adultas. Las moscas parasíticas (*Philornis pici*) depositan sus larvas en los pichones de aves para completar su ciclo de desarrollo. Estas moscas enferman y matan a los pichones. Las abejas europeas y africanas (*Apis mellifera*) invaden los nidos de la cotorra para formar adentro sus colmenas. También pueden matar a los pichones. Los huracanes y otros eventos climatológicos pueden afectar la estabilidad de la especie en su estado natural. La pérdida de hábitat por la deforestación es una amenaza que siempre está presente y limita las opciones de lugares aptos para reintroducir la cotorra a la vida silvestre.

Medidas de conservación

La cotorra puertorriqueña fue designada como especie en peligro de extinción en el año 1967, antes de que la Ley de Especies en Peligro de Extinción de 1973 entrara en vigor. Existe un Acuerdo Cooperativo entre el Servicio Federal de Pesca y Vida Silvestre, el Departamento de Recursos Naturales y Ambientales y el Servicio Forestal de los Estados Unidos para manejar de forma conjunta la recuperación de la cotorra puertorriqueña. Las tres agencias constituyen el Comité de Recuperación de la Cotorra Puertorriqueña. Inicialmente, se estableció un programa de propagación en cautiverio que, con el tiempo, ha crecido para incluir liberaciones de cotorras al estado silvestre, monitoreo de las poblaciones silvestres, manejo del hábitat e investigación. Otras entidades privadas y académicas se han unido a los esfuerzos para realizar investigaciones y educar.

El Comité realiza censos de cotorras periódicamente y estima que existen entre 18 a 22 cotorras en El Yunque y cerca de 60 a 70 en Rfo Abajo. Los biólogos de campo utilizan múltiples estrategias para manejar el hábitat. La escasez de árboles maduros con cavidades

requiere que se construyan e instalen nidos artificiales para que la cotorra puertorriqueña anide. También, los expertos controlan las poblaciones de las especies depredadoras, cuando es necesario, para asegurar el desarrollo normal de los huevos y de los pichones.

La población en cautiverio se mantiene para varios propósitos: reproducir cotorras y aumentar su número, asegurar poblaciones adicionales, particularmente en el caso de una catástrofe natural tal como un huracán, y para, eventualmente, poder proveer aves para reintroducirlas a los bosques donde habitaban. En los aviarios, se utilizan técnicas avanzadas para diagnosticar enfermedades y proveer tratamiento. Actualmente, hay cerca de 350 cotorras entre el Aviario Iguaca, manejado por el Servicio Federal de Pesca y Vida Silvestre en El Yunque, y el Aviario Jose L. Vivaldi, manejado por el Departamento de Recursos Naturales y Ambientales de Puerto Rico, en el Bosque Estatal Rfo Abajo.

La Ley Federal de Especies en Peligro de Extinción de 1973, según enmendada, prohíbe matar, dañar, molestar, atrapar, comprar o vender una especie, así como partes o productos derivados de ellas.

Referencias

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Thomas H. White, Jr. and Fernando Nunez-Garcia. "From Cage to Rainforest" U. S. Fish and Wildlife Service. 2008-06-04

Información adicional

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Teléfono: 787-851-7297 / Fax: 787-851-7440
Internet: www.fws.gov/caribbean



seaGifutt
Puerto Rico

EN PELIGRO



October 8, 2024

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

**Re: Puerto Rico Department of Housing / Re-Grow Program
PR-RGRW-01627 – Félix González DBA Hacienda Doña Carmen
Endangered Species Concurrence for NLAA Determination**

Dear Ms. Mena:

Puerto Rico Department of Housing (PRDOH) is requesting informal consultation under Section 7 (a)(2) of the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.) for the proposed project located at PR-945 Road and PR-853 Road Km 11.6, barrio Barrazas, Carolina, PR 00778 (Parcel ID# 173-000-010-99, 173-000-010-11).

The project is part of the Re-Grow Puerto Rico Urban-Rural Agriculture Program (RGRW) that aims to increase agricultural capacity while promoting and increasing food security island wide. This Program will enhance and expand agricultural production related to economic revitalization and sustainable development activities.

The proposed project, PR-RGRW-01627, consists of three scopes of work (SOW) within the parcel. SOW-1 consists in the purchase and installation of a 13kVA diesel Kohler power generator. The applicant plans to construct an on-site poured 10-foot x 10-foot concrete pad at coordinates 18.292289, -65.941060, for the installation of the new power generator. Typically for the installation of a generator like the one proposed, the slab thickness should be 4-6 inches. This generator will provide power to the water pump of the existing water well. Concrete pad construction will require a ground disturbance with a maximum depth of 1-foot. Generator can be anchored to the concrete slab with the use of tensors attached to the concrete. The SOW includes the installation of a transfer switch. SOW-2 consists in the installation of a cattle chute and a load bar at coordinates 18.294630, -65.937065. This is used to provide care and restrain the animal for different procedures. The system will be installed on a new concrete pad of 10 feet x 5 feet. Thickness of concrete must be at least 8-10 inches, for a maximum depth of disturbance of 1.5 feet. As per product manual, no anchoring of the cattle chute is required. However,

it can be fixed to the concrete slab. SOW-3 consists in the purchase of an irrigation system. The irrigation system will consist of a water reel with a hose. The irrigation system and the proposed water trough and feeder are movable. All movable equipment will be stored in the existing warehouse located at coordinates: 18.294632, -65.937478.

This land was used for chicken production but is currently used as cattle pasture. Surrounding landscape includes hilly forests surrounding the parcel, with hilly pasture within. The site for the new generator is currently mostly cleared, with a power pole to the side. Field is not graded. The project site will require clearing, grubbing, grading, and vegetation, brush and shrubs removal. However, proposal does not contemplate cutting, pruning or transplanting of trees. The National Wetlands Inventory indicated that no wetlands are located within the parcel.

Using the Information for Planning and Consultation (IPaC) system, we have determined that the proposed project lies within the range of the following federally listed species:

Name of the species	Threatened/Endangered/Candidate
Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>)	Endangered
Puerto Rican Parrot (<i>Amazona vittata</i>)	Endangered
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	Endangered
Critical Habitat	
There are no critical habitats at this location.	

Based on site review and site photos, no suitable habitat was found within the proposed project area for the listed species.

The Puerto Rican Broad-winged Hawk habitat requirements per the U.S. Fish and Wildlife Service 1997 Recovery plan are as follows: "In the Caribbean National Forest, Puerto Rican Broad-winged Hawks were more often seen on the eastern side, and the tabonuco and palo colorado forest types were reported as preferred habitats for the species (Wiley and Bauer 1985). Delannoy (1992) reported that Broad-winged Hawks were observed to be clustered in the north-central part of the forest within the subtropical wet forest and subtropical rain forest life zones, where the tabonuco is the dominant forest type. In the Carite Commonwealth Forest the species has been reported from the elfin, caimitillo, granadillo, tabonuco, and slope forest types (Hernandez 1980, Delannoy 1992). Delannoy (1992) reported Puerto Rican Broad-winged Hawks sighted in the northeastern corner and west-central parts of the Río Abajo forest within the subtropical moist forest and subtropical wet forest life zones (Ewel and Whitmore 1973). Limestone hillside, sinkholes, and narrow valleys or ravines between haystack hills or "mogotes" are the dominant habitats within these life zones (Department of Natural Resources 1976)."

The Puerto Rican Parrot habitat requirements per the U.S. Fish and Wildlife Service are as follows: "The habitat of the parrot is generally identified as the Palo Colorado, Palma de Sierra, and Tabonuco forests types of the upper zones of the Luquillo Mountains within the El Yunque National Forest. This bird feeds chiefly on wild fruits, particularly the sierra palm

(*Prestoria montana*), but may also consume flowers and tender shoots. During October, when other fruits are scarce, the tabonuco fruit (*Dacryodes excelsa*) becomes an important food item."

The Puerto Rican Boa habitat requirements per the U.S. Fish and Wildlife Service are as follows: "The Puerto Rican Boa is considered a habitat generalist and tolerates a wide variety of habitat types (terrestrial and arboreal). These include: rocky areas and haystack hills, trees and branches, rotting stumps, caves (entrances and inside), plantations, various types of forested areas such as karst and mangrove forests, forested urban and rural areas, and along streams and road edges. Cave ecosystems and their surrounding forests are considered particularly important because of the availability of such ecological resources such as prey, shelter, thermal gradients, and mates for reproduction."

Based on the nature of the project, previous site disturbance, scope of work, information available, and a careful analysis of the Project Site, and IPaC species list, we have made the following effects determinations:

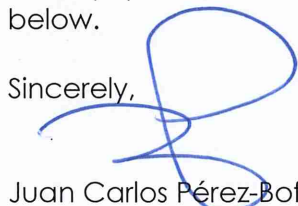
Name of the species	Effect Determination	Conservation Measures that will be implemented
Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>)	Not Likely to Adversely Affect (NLAA)	USFWS Puerto Rican Broad-winged Hawk Conservation Measures
Puerto Rican Parrot (<i>Amazona vittata</i>)	Not Likely to Adversely Affect (NLAA)	USFWS Puerto Rican Parrot Conservation Measures
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	Not Likely to Adversely Affect (NLAA)	USFWS Puerto Rican Boa Conservation Measures 2024

Given the current land use and frequent disturbance and lack of sightings of the listed species within the vicinity, PRDOH has determined that the project is not likely to adversely affect the listed species provided the attached Conservation Measures are implemented as part of the proposed project. The automated informal consultation process was completed on October 7th through USFWS Information for Planning and Consultation website (<https://ipac.ecosphere.fws.gov/>).

In order to complete the informal consultation process, we are requesting your concurrence for the NLAA determinations included in this letter. Attached to this letter, we are including the documents used to reach our effect determinations for the listed species.

For any questions or clarifications, please do not hesitate to contact us at the information below.

Sincerely,



Juan Carlos Pérez-Bofill, PE, MEng.
Director – Disaster Recovery, CDBG-DR Program
environmentcdbg@vivienda.pr.gov | 787.274.2527 ext. 4320

Attachments:

Appendix A:

- Figure 1 – Project Location Map
- Figure 2 – Area of Potential Effect Map
- Figure 3 – Endangered Species Map
- Figure 4 – Critical Habitats Map
- Figure 5 – Farmland Protection Map
- Figure 6 – Wetland Map

Appendix B: Species List Caribbean Ecological Services and Consistency Letter

Appendix C: Site Photos

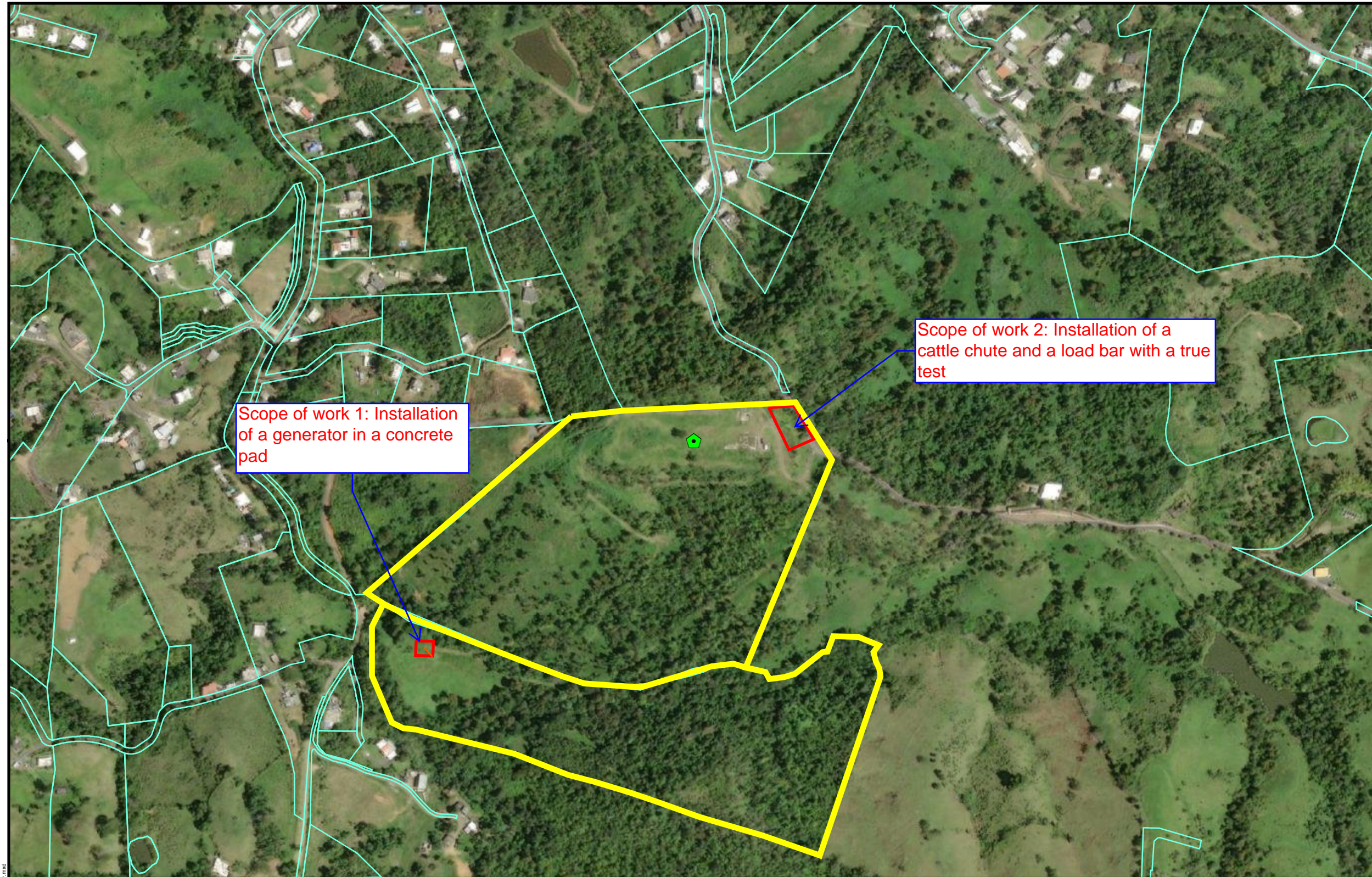
Appendix D: USFWS Puerto Rican Broad-winged Hawk Conservation Measures

Appendix E: USFWS Puerto Rican Parrot Conservation Measures

Appendix F: USFWS Puerto Rican Boa Conservation Measures 2024

C: Angel G. López-Guzmán, MSEM
 Deputy Director
 Permits and Environmental Compliance Division

Appendix A: Figures



- Legend**
- Project Parcel
 - Parcels
 - Area of Potential Effect
 - Project parcel boundaries
 - Power connection

PUERTO RICO



PROJECT LOCATION

APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

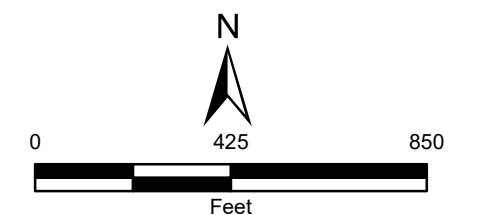
Parcel Coordinates: 18.294386 , -65.938027



Source: CRIM
<https://catastro.crimpr.net/cdprpc/>

Author: TG

Date: 3/22/2024

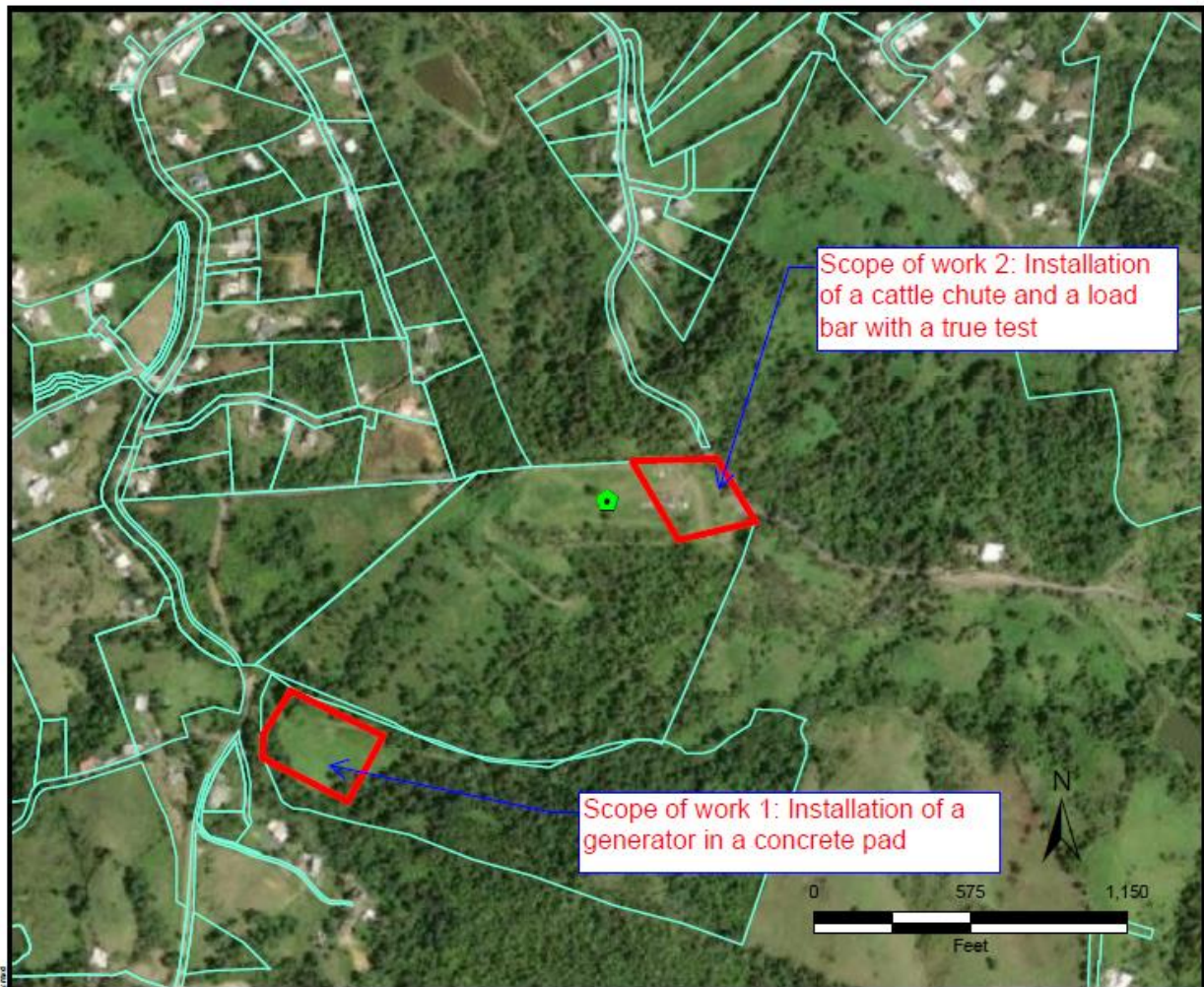


Subrecipient: Felix Gonzalez DBA Hacienda Doña Carmen

Case ID: PR-RGRW-01627

City: Carolina

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



Source: CRIM

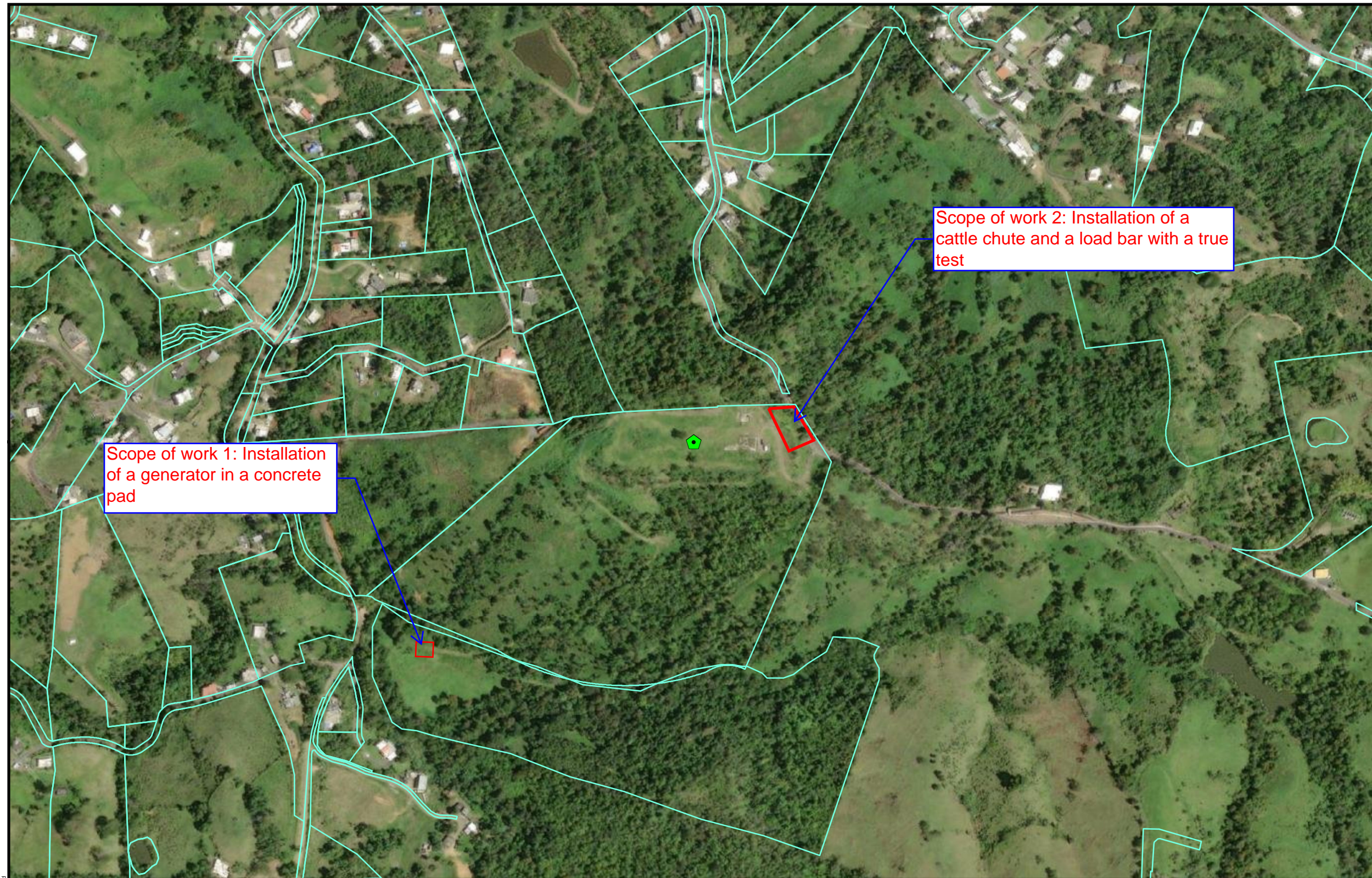
Author: TG

Date: 1/23/2024

Legend

- Project Parcel
- Area of Potential Effect
- Parcelario



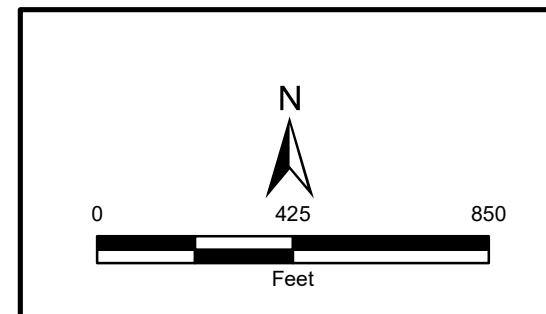


- Legend**
- Project Parcel
 - Parcels
 - Area of Potential Effect
 - Area of Critical Habitat

Scope of work 1: Installation of a generator in a concrete pad

Scope of work 2: Installation of a cattle chute and a load bar with a true test

PUERTO RICO



Source: U.S. FISH & WILDLIFE SERVICE
<https://ecos.fws.gov>

Author: TG

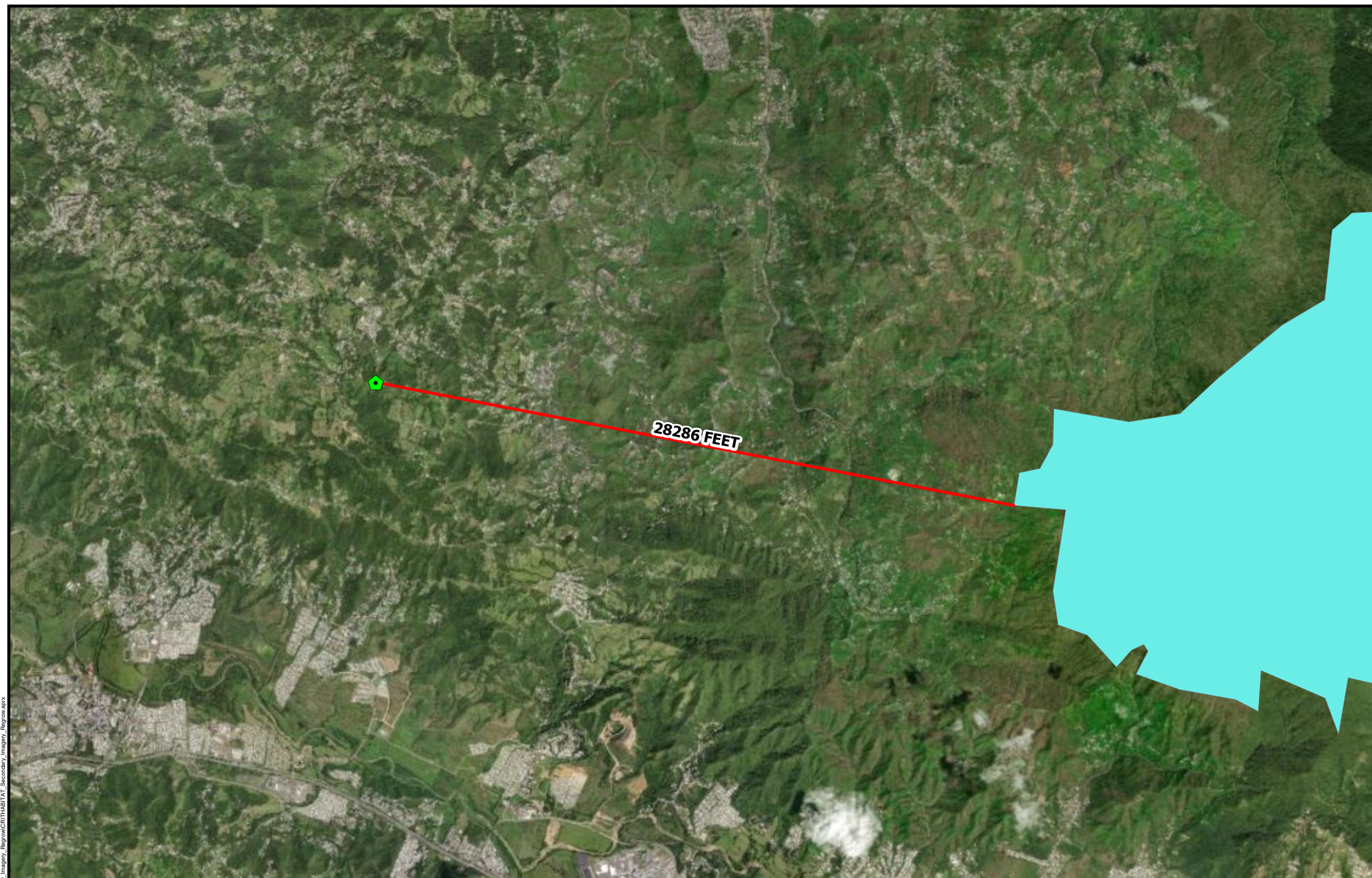
Date: 3/22/2024

ENDANGERED SPECIES ACT APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

Parcel Coordinates: 18.294386 , -65.938027



Legend



Project Parcel

Common Name



Elfin-woods warbler

Distance to Nearest Critical Habitat:
28286 Feet

PUERTO RICO



TETRA TECH

Source: U.S. FISH & WILDLIFE SERVICE
<https://ecos.fws.gov>

Author: TG

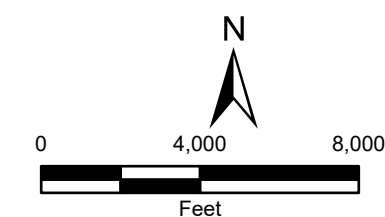
Date: 11/3/2023

CRITICAL HABITATS
APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

Parcel Coordinates: 18.294386, -65.938027





Scope of work 1: Installation of a generator in a concrete pad

Scope of work 2: Installation of a cattle chute and a load bar with a true test

- Legend**
- Project Parcel
 - Farm Class**
 - All areas are prime farmland
 - Farmland of statewide importance
 - Farmland of statewide importance, if irrigated
 - Prime farmland if drained
 - Prime farmland if irrigated
 - Prime farmland if irrigated and reclaimed of excess salts and sodium
 - Prime farmland if protected from flooding or not frequently flooded during the growing season
 - Area of Potential Effect

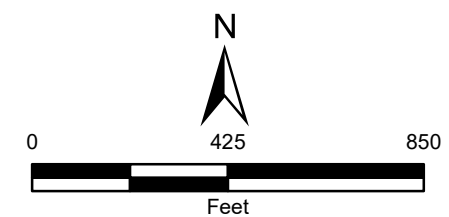
PUERTO RICO

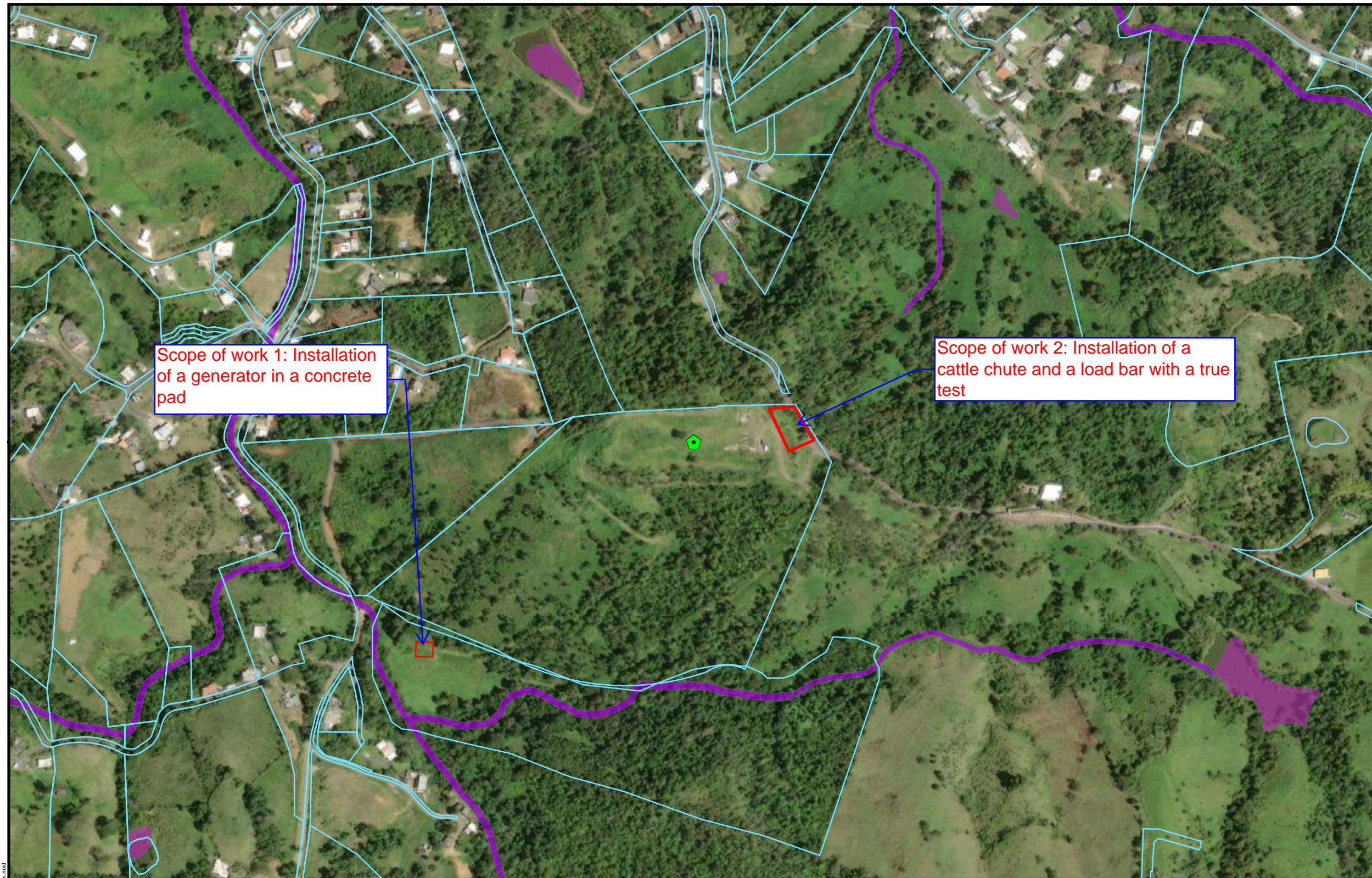


FARMLAND PROTECTION
APPLICANT ID: PR-RGRW-01627
ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778
Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen
Parcel Coordinates: 18.294386 , -65.938027



Source: USDA
<https://websoilsurvey.sc.egov.usda.gov>
Author: TG
Date: 3/22/2024





Legend

Project Parcel

Parcels

WETLAND TYPE

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

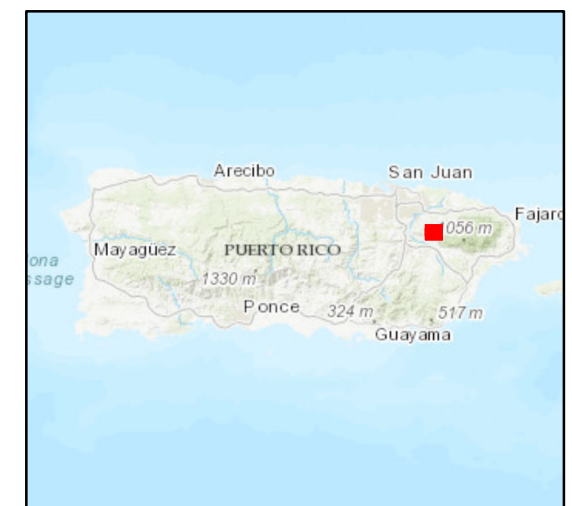
Freshwater Pond

Lake

Riverine

Area of Potential Effect

PUERTO RICO

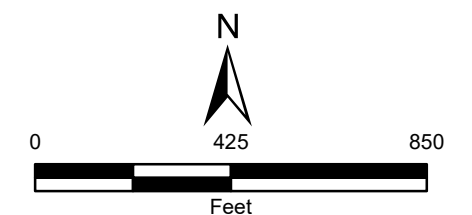


Source: U. S. Fish & Wildlife Service
<https://www.fws.gov>

Author: TG

Date: 3/22/2024

WETLANDS
APPLICANT ID: PR-RGRW-01627
ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778
Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen
Parcel Coordinates: 18.294386 , -65.938027



Appendix B:
Species List Caribbean Ecological Services and Consistency Letter



United States Department of the Interior



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

In Reply Refer To:
Project Code: 2025-0002520
Project Name: PR-RGRW-01627

10/07/2024 15:54:42 UTC

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

To Whom It May Concern:

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

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

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

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

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

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

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

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

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

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

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

This species list is provided by:

Caribbean Ecological Services Field Office

caribbean_es@fws.gov

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

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

This species list is provided by:

Caribbean Ecological Services Field Office

Post Office Box 491

Boqueron, PR 00622-0491

(939) 320-3135

PROJECT SUMMARY

Project Code: 2025-0002520

Project Name: PR-RGRW-01627

Project Type: Restoration / Enhancement - Agricultural

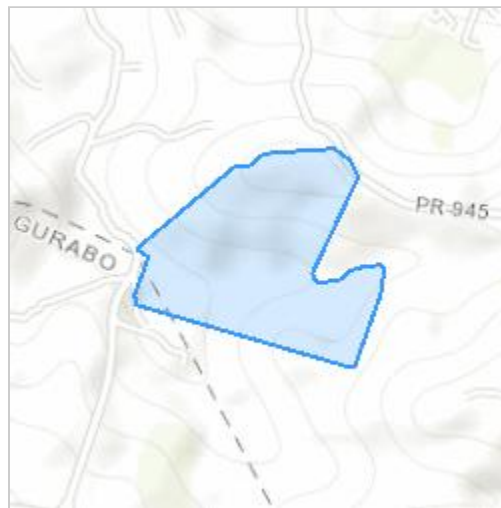
Project Description: The scope of work 1 (SOW-1) is the purchase and installation of a power generator. The applicant plans to construct a 10-foot (ft)' x 10 ft concrete pad at coordinates 18.292289, -65.941060, for the installation of the new power generator. This generator will provide power to the water pump of the existing water well.

The scope of work 2 (SOW-2) is the installation of a cattle chute and a load bar with a true test scale at coordinates 18.294630, -65.937065. This is used to provide care and restrain the animal for different procedures including the weighing and inspection. The system will be installed in a concrete pad of 10 ft x 5 ft.

SOW-3 is for the purchase of an irrigation system. The irrigation system will consist of a water reel with a hose. The irrigation system and the proposed water trough and feeder are movable. All movable equipment will be stored in the existing warehouse located at coordinates: 18.294632, -65.937478.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2924794,-65.93943562123337,14z>



Counties: Carolina and Gurabo counties, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

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

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

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

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

BIRDS

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

REPTILES

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6628 General project design guidelines: https://ipac.ecosphere.fws.gov/project/D2YRQHO56FAZ7PI4NPMITOBPSU/documents/generated/7159.pdf	Endangered

CRITICAL HABITATS

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

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

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

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

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

BALD & GOLDEN EAGLES

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

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

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

THERE ARE NO BALD AND GOLDEN EAGLES WITHIN THE VICINITY OF YOUR PROJECT AREA.

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

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

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

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

WETLANDS

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

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

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

RIVERINE

- R5UBH
- R4SBC

IPAC USER CONTACT INFORMATION

Agency: Tetra Tech
Name: Shelby McDowell
Address: 2301 Lucien Way #120
City: Maitland
State: FL
Zip: 32751
Email: shelby.mcdowell@tetrattech.com
Phone: 4096591563



United States Department of the Interior



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

In Reply Refer To:
Project code: 2025-0002520
Project Name: PR-RGRW-01627

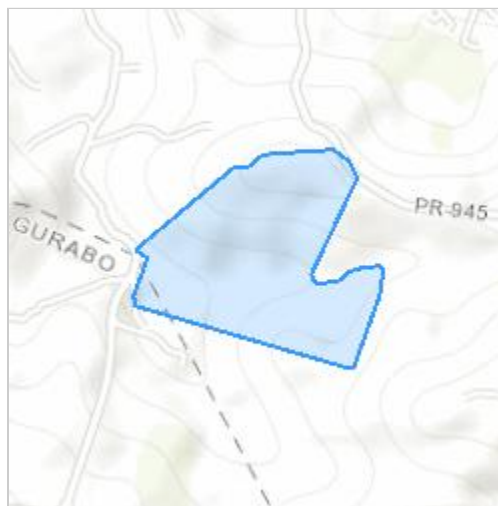
10/07/2024 16:14:47 UTC

Subject: Concurrence letter for the project named 'PR-RGRW-01627' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On October 07, 2024, Shelby McDowell used the Caribbean DKey; dated April 03, 2024, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'PR-RGRW-01627'. The project is located in Carolina and Gurabo counties, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2924794,-65.93943562123337,14z>



The following description was provided for the project 'PR-RGRW-01627':

The scope of work 1 (SOW-1) is the purchase and installation of a power generator. The applicant plans to construct a 10-foot (ft) x 10 ft concrete pad at coordinates 18.292289, -65.941060, for the installation of the new power generator. This generator will provide power to the water pump of the existing water well.

The scope of work 2 (SOW-2) is the installation of a cattle chute and a load bar with a true test scale at coordinates 18.294630, -65.937065. This is used to provide care and restrain the animal for different procedures including the weighing and inspection. The system will be installed in a concrete pad of 10 ft x 5 ft.

SOW-3 is for the purchase of an irrigation system. The irrigation system will consist of a water reel with a hose. The irrigation system and the proposed water trough and feeder are movable. All movable equipment will be stored in the existing warehouse located at coordinates: 18.294632, -65.937478.

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

Species	Listing Status	Determination
Puerto Rican Boa (<i>Chilabothrus inornatus</i>)	Endangered	NLAA
Puerto Rican Broad-winged Hawk (<i>Buteo platypterus brunnescens</i>)	Endangered	NLAA

Based on the answers provided in IPaC, the proposed project is consistent with a “may affect but is not likely to adversely affect” (NLAA) for the species listed above because your project impacts to the species will be avoided or minimized using the **Conservation Measures** you agreed to implement. These conservation measures must be implemented during the project development to ensure compliance with Section 7(a)(2) of the ESA.

No further action is required for the species listed above. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a “may affect, not likely to adversely affect” (NLAA) determination for federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NLAA concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

Note: Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species.** If relocation of the species is needed, please contact either the

Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean_es@fws.gov) to determine whether the consultation needs to be reinitiated.

In addition to the species listed above, the following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion. Effects to the other federally listed species or critical habitat as listed below should be considered as part of your ESA review for the project.

- Puerto Rican Parrot *Amazona vittata* Endangered

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

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

Action Description

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

1. Name

PR-RGRW-01627

2. Description

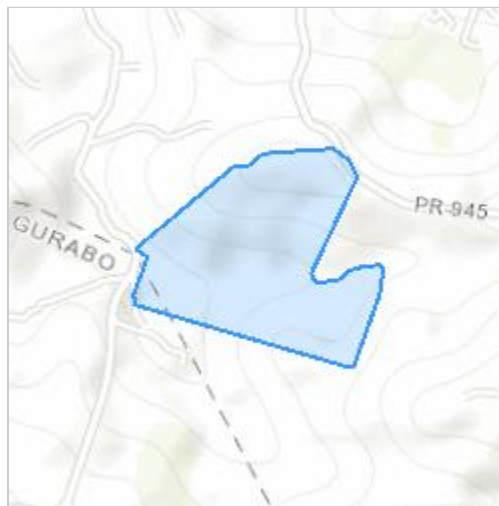
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The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2924794,-65.93943562123337,14z>



QUALIFICATION INTERVIEW

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

No

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

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

No

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

No

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

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

No

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

No

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

No

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

No

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

No

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

No

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

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

Yes

11. Is the project area more than 1 acre?

No

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

Yes

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

Automatically answered

Yes

14. Will the proposed project implement the U.S. Fish and Wildlife [Puerto Rican boa Conservation Measures](#)?

Yes

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

Yes

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

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

Yes

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

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

Yes

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

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

Yes

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

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

Yes

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

Yes

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

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

Yes

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

Yes

23. Does the proposed project intersect the Puerto Rican Broad-winged hawk area of influence?

Automatically answered

Yes

24. Are you the Federal agency or designated non-federal representative for the proposed action?

Yes

IPAC USER CONTACT INFORMATION

Agency: Tetra Tech
Name: Shelby McDowell
Address: 2301 Lucien Way #120
City: Maitland
State: FL
Zip: 32751
Email: shelby.mcdowell@tetrattech.com
Phone: 4096591563

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development

Appendix C: Site Photos

Front of Structure

Photo Direction: South



Facing Away From Front

Photo Direction: North



Side #1 of Structure

Photo Direction: Southwest



Facing Away From Side #1

Photo Direction: Northeast



Back of Structure

Photo Direction: South



Facing Away From Back

Photo Direction: North



Side #2 of Structure

Photo Direction: West



Facing Away From Side #2

Photo Direction: East



Streetscape #1

Photo Direction: West



Streetscape #2

Photo Direction: East



Address

Photo Direction: Southwest



Outbuildings

Photo Description: Warehouse

Photo Direction: Northwest



Outbuildings

Photo Description: House

Photo Direction: South



Structural Details

Photo Description: Architectural details

Photo Direction: East



Structural Details

Photo Description: Architectural details

Photo Direction: South



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northeast



Structural Details

Photo Description: Architectural details

Photo Direction: Southwest



Structural Details

Photo Description: Architectural details

Photo Direction: Northwest



Structural Details

Photo Description: Architectural details

Photo Direction: West



Structural Details

Photo Description: Architectural details

Photo Direction: East



Structural Details

Photo Description: Architectural details

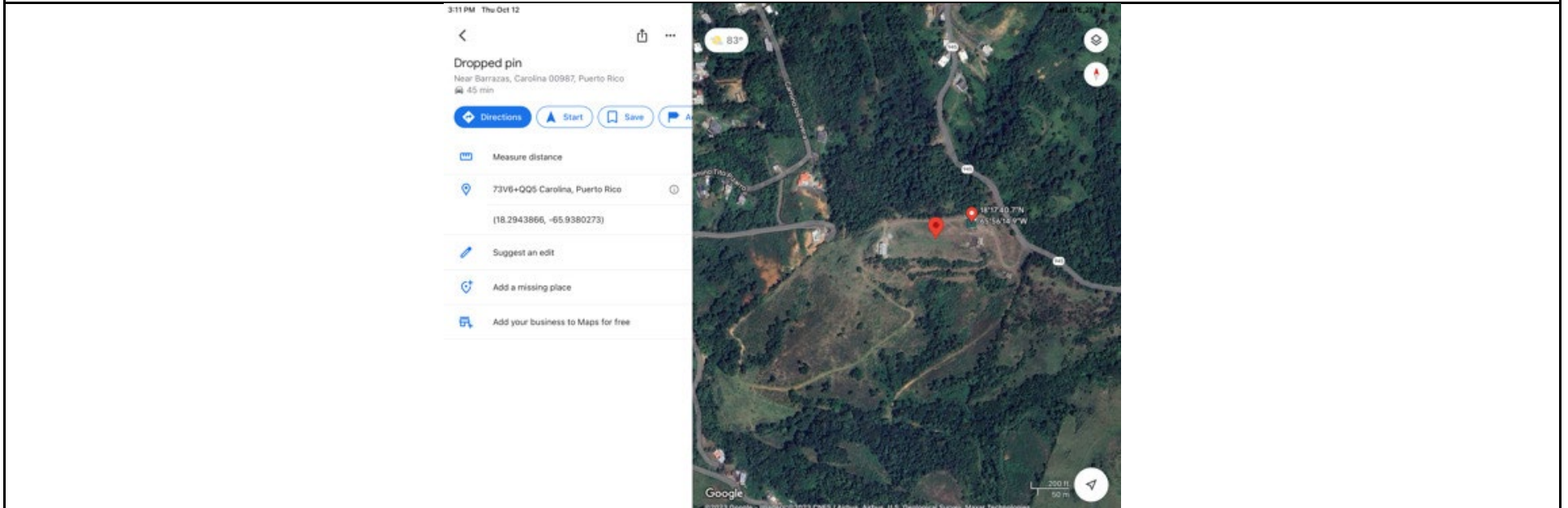
Photo Direction: Southeast



Structural Details

Photo Description: Architectural details

Photo Direction: North



Aboveground Storage Tanks

Photo Description: Water tank

Photo Direction: East



Warehouse Use

Photo Description: Warehouse

Photo Direction: Northeast



Groundwater Monitoring Well

Photo Description: Water well

Photo Direction: East



Standing Water

Photo Description: Wetland

Photo Direction: North



Wetlands

Photo Description: Wetland

Photo Direction: North



Scope Of Work

Photo Description: Scope of work 1: installation of a generator

Photo Direction: South



Scope Of Work

Photo Description: Scope of work 1: installation of a generator

Photo Direction: Northwest



Scope Of Work

Photo Description: Scope of work 1: installation of a generator

Photo Direction: North



Scope Of Work

Photo Description: Scope of work 1: installation of a generator

Photo Direction: East



Scope Of Work

Photo Description: Scope of work 2: installation of a cattle chute and a load bar with a true test.

Photo Direction: Northwest



Scope Of Work

Photo Description: Scope of work 2: installation of a cattle chute and a load bar with a true test.

Photo Direction: West



Scope Of Work

Photo Description: Scope of work 2: installation of a cattle chute and a load bar with a true test.

Photo Direction: Southeast



Scope Of Work

Photo Description: Scope of work 2: installation of a cattle chute and a load bar with a true test.

Photo Direction: Northwest



Scope Of Work

Photo Description: Scope of work 3: use of the chopper to plowing the soil

Photo Direction: Southwest



Scope Of Work

Photo Description: Scope of work 3: use of the chopper to plowing the soil

Photo Direction: Southwest



Scope Of Work

Photo Description: Scope of work 3: use of the chopper to plowing the soil

Photo Direction: Southwest



Appendix D:
USFWS Puerto Rican Broad-winged Hawk
Conservation Measures

Conservation Measures for the Broad-winged hawk (*Buteo platypterus brunnescens*)

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

The Puerto Rican broad-winged hawk is a small hawk with dark chocolate-brown upperparts, heavily streaked rufous breast, and a broadly banded black and white tail. Adult male and female are similar in appearance, but the female is slightly larger. This species occurs in elfin woodland, sierra palm, caimitillo-granadillo, and tabonuco forest types of the Río Abajo Commonwealth Forest, Carite Commonwealth Forest, and El Yunque National Forest as well as within hardwood plantations, shade coffee plantations, and mature secondary forests. The Puerto Rican broad-winged hawk population is estimated at about 125 individuals island-wide.



The broad-winged hawk was federally listed in 1994. The broad-wing prefers to hunt from a perch under the forest canopy for a better view of potential prey in a forest clearing, trail or river below. Each hunting pair requires a range of 40 hectares (98 acres). The Broad-wing builds a nest of sticks in February and March, laying 2 to 4 white/brown-spotted eggs. The female incubates the eggs for almost a month while the male searches for food. The young fledge around April or May about 1 month after hatching and can fly about 6 weeks after hatching. The parents feed the young for a few weeks after they leave the nest. The voice is a high-pitched whistle.

The hawk is an uncommon and local resident in the El Yunque National Forest, the Río Abajo State Forest, and the Toro Negro State Forest.

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

1. For any project activity that involves construction or tree-disturbing activities, all construction workers will be required to participate in environmental awareness training. The training will educate workers on: (a) special-status species that may occur in the work area, (b) procedures

to follow in the event a species is observed, and (c) other environmental BMPs and emergency spill response protocols.

2. All non-emergency work activities will be confined to daylight hours (i.e., sunrise to sunset), unless necessary for assessing or protecting biological resources.
3. Whenever possible, impacts to native nesting birds will be avoided by not conducting Project activities that involve clearing of vegetation, generation of mechanical noise, or tree disturbance during the typical breeding season for this hawk (February and March), if the hawk is determined to be present.
4. If Project activities must be conducted during the nesting bird season, the Contractor will conduct surveys for nesting birds within a 1,000-ft radius of the construction area. If nests are detected, the Contractor will notify the USFWS and establish buffers around nests that are sufficient to ensure that breeding is not likely to be disrupted or adversely impacted by construction. Buffers around active nests will be a minimum of 250 feet, unless a qualified biologist determines that smaller buffers would be sufficient to avoid impacts to nesting birds. Factors to be considered for determining buffer size will include: the presence of natural buffers provided by vegetation or topography; nest height; locations of foraging territory; and baseline levels of noise and human activity. Buffers will be maintained until young have fledged or the nests become inactive.
5. If a broad-winged hawk is found within any of the working or construction areas, activities should stop at that area and information recorded. Designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for additional directions (PRDNER phone #s: ((787) 724-5700, (787) 230-5550, (787) 771-1124).
6. Designated critical habitat within the vicinity of project activities will be identified. All Proposed Project actions will be designed to avoid direct and indirect adverse modifications to these areas. Minimization measures, such as establishing and maintaining buffers around areas of designated critical habitat will be implemented in the event that avoidance is not feasible.
7. If critical habitat may be adversely modified by the implementation of Proposed Project actions, the area to be modified will be evaluated by a qualified biologist to determine the potential magnitude of the project effects (e.g., description of primary constituent elements present and quantification of those affected) at a level of detail necessary to satisfy applicable environmental compliance and permitting requirements. This information shall be submitted to the PRDNER as shown in Number 5 above.
8. Projects must comply with all state laws and regulations. Please contact PRDNER for further guidance.

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

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

Appendix E:
USFWS Puerto Rican Parrot Conservation
Measures

Conservation Measures for the Puerto Rican Amazon (Parrot) (*Amazona vittata*)

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

The Puerto Rican amazon (*Amazona vittata*), also known as the Puerto Rican parrot (Puerto Rican Spanish: cotorra puertorriqueña) or iguaca, is the only extant parrot endemic to the archipelago of Puerto Rico and belongs to the Neotropical genus *Amazona*. Measuring 28–30 cm (11.0–11.8 in), the bird is a predominantly green parrot with a red forehead and white rings around the eyes.



The parrot was federally listed as endangered in 1967. The parrot reaches sexual maturity at between three and four years of age. It reproduces once a year (between the months of February to June) and is a cavity nester. Once the female lays eggs, she will remain in the nest and continuously incubate them until hatching (about 24 to 28 days). The chicks are fed by both parents and will fledge 60 to 65 days after hatching. This parrot's diet is varied and consists of flowers, fruits, leaves, bark and nectar obtained from the forest canopy.

The species is the only remaining native parrot to Puerto Rico and has been listed as critically endangered by the World Conservation Union since 1994. Once widespread and abundant, the population declined drastically in the 19th and early 20th centuries with the removal of most of its native habitat; the species has completely vanished from Vieques and Mona Island. Conservation efforts commenced in 1968 to save the bird from extinction. The habitat of the parrot is generally identified as

the Palo Colorado, Palma de Sierra, and Tabonuco forests types of the upper zones of the Luquillo Mountains within the El Yunque National Forest.

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

1. For any project activity that involves construction or tree-disturbing activities, all construction workers will be required to participate in environmental awareness training. The training will educate workers on: (a) special-status species that may occur in the work area, (b) procedures to follow in the event a species is observed, and (c) other environmental BMPs and emergency spill response protocols.
2. All non-emergency work activities will be confined to daylight hours (i.e., sunrise to sunset), unless necessary for assessing or protecting biological resources.
3. Whenever possible, impacts to native nesting birds will be avoided by not conducting Project activities that involve clearing of vegetation, generation of mechanical noise, or tree disturbance during the typical breeding season for this parrot (January to July), if the parrot is determined to be present. The parrot selects a large, deep tree cavity, usually in a Palo Colorado tree. The parrot normally does not build its own nest but, many times, parrot biologists do build artificial cavities that are accepted by the parrot. A check with DNER should occur if large Palo Colorado trees are in the general construction area.
4. If Project activities must be conducted during the nesting bird season, the Contractor will conduct surveys for nesting birds within a 1,000-ft radius of the construction area. If nests are detected, the Contractor will notify the DNER and establish buffers around nests that are sufficient to ensure that breeding is not likely to be disrupted or adversely impacted by construction. Buffers around active nests will be a minimum of 250 feet, unless a qualified biologist determines that smaller buffers would be sufficient to avoid impacts to nesting birds. Factors to be considered for determining buffer size will include: the presence of natural buffers provided by vegetation or topography; nest height; locations of foraging territory; and baseline levels of noise and human activity. Buffers will be maintained until young have fledged or the nests become inactive.
5. If a parrot is found within any of the working or construction areas, activities should stop at that area and information recorded. Designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for additional directions (PRDNER phone #s: ((787) 724-5700, (787) 230-5550, (787) 771-1124).
6. Designated critical habitat within the vicinity of project activities will be identified. All Proposed Project actions will be designed to avoid direct and indirect adverse modifications to these

areas. Minimization measures, such as establishing and maintaining buffers around areas of designated critical habitat will be implemented in the event that avoidance is not feasible.

7. If critical habitat may be adversely modified by the implementation of Proposed Project actions, the area to be modified will be evaluated by a qualified biologist to determine the potential magnitude of the project effects (e.g., description of primary constituent elements present and quantification of those affected) at a level of detail necessary to satisfy applicable environmental compliance and permitting requirements. This information shall be submitted to the PRDNER as shown in Number 5 above.
8. Projects must comply with all state laws and regulations. Please contact PRDNER for further guidance.

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

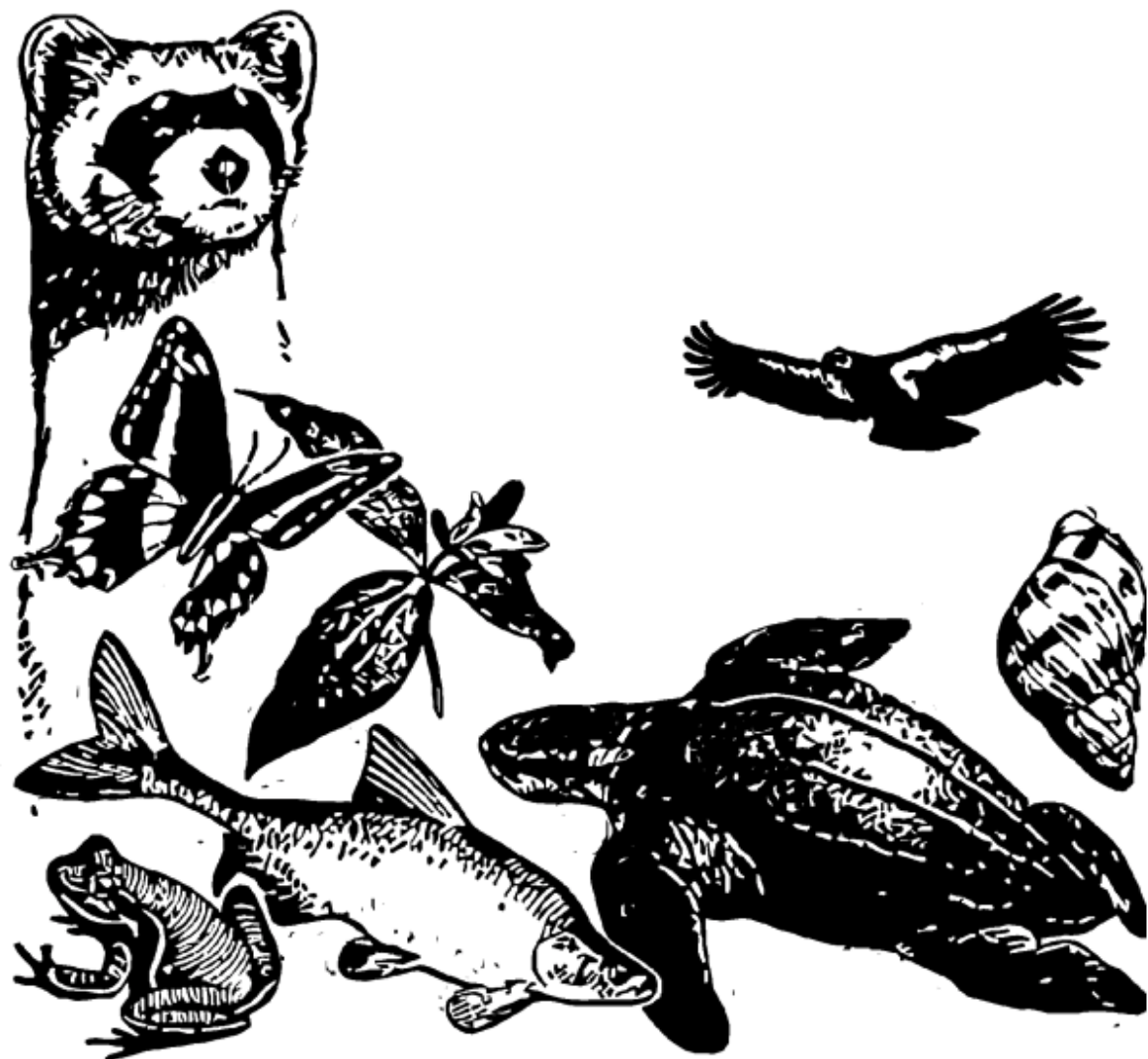
- Marelisa Rivera, Deputy Field Supervisor
Email: marelisa_rivera@fws.gov
Office phone (786) 244-0081 or mobile (305) 304-1814
- José Cruz-Burgos, Endangered Species Coordinator
Email: jose_cruz-burgos@fws.gov
Office phone (786) 244-0081 or mobile (305) 304-1386

Appendix F:
USFWS Puerto Rican Boa Conservation Measures 2024

Caribbean ES Puerto Rican Boa

Puerto Rican Boa

Generated August 01, 2024 02:11 PM UTC, IPaC v6.112.0-rc2





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

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

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

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



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

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

Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.
2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.
3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or project personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.
4. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #5). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: (787) 724-5700, (787) 230-5550, (787) 771-1124). **If immediate relocation is not an option, project-related activities at that area must stop until the boa moves out of harm's way on its own.** Activities at other work sites, where no boas have been found after surveying the area, may continue.
5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

6. If a PR boa is captured by PRDNER personnel, record the name of that person and information on where the PR boa will be taken. This information should be reported to the Service.
7. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal, and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #4). If not possible, the animal should be left alone until it leaves the vehicle on its own.
8. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.
9. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #5). If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.
10. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

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

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



- Legend**
- Project Parcel
 - Parcels
 - ABFE Flood Zone
 - A
 - AE
 - AO
 - VE
 - X (0.2 %) ACF
 - Area of Potential Effect

Scope of work 1: Installation of a generator in a concrete pad

Scope of work 2: Installation of a cattle chute and a load bar with a true test

PUERTO RICO



Figure 6: ADVISORY BASE FLOOD ELEVATION (ABFE) MAP APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

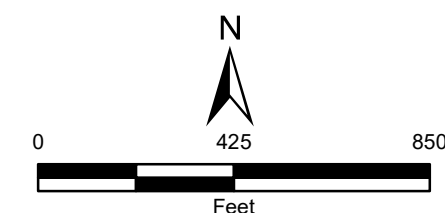
Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

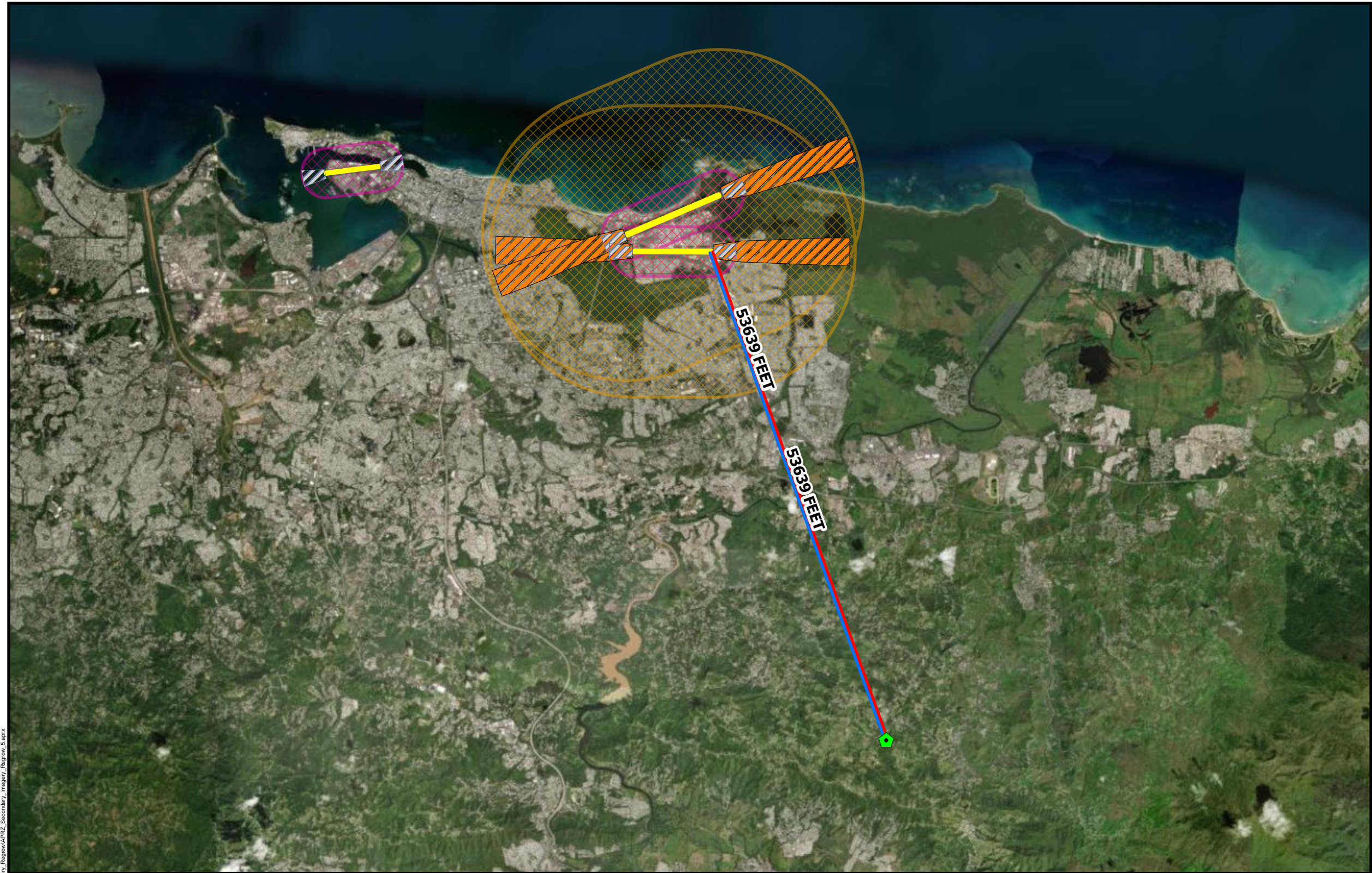
Parcel Coordinates: 18.294386 , -65.938027



Source: FEMA
<https://gis.fema.gov>

Author: TG Date: 3/22/2024





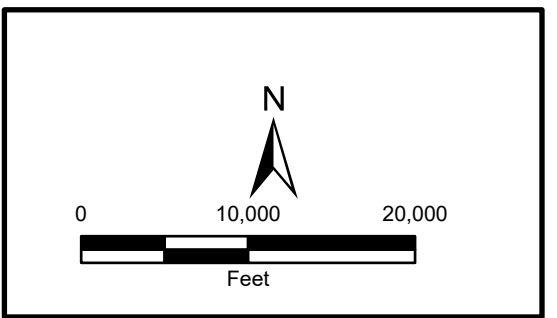
Legend


- Project Parcel
- Civilian Runway Protection Zones
- Military Accident Potential Zones
- Airport Runways
- Civilian Airport 2,500 Feet Buffer
- Military Airport 15,000 Feet Buffer

Distance to Nearest Airport in Feet: 53,639

Distance to Nearest Civilian Airport in Feet: 53,639

Distance to Nearest Military Airport in Feet: 53,639





Source: USDOT
<https://www.faa.gov>

Author: TG Date: 3/20/2024

Figure 2: AIRPORT ZONES

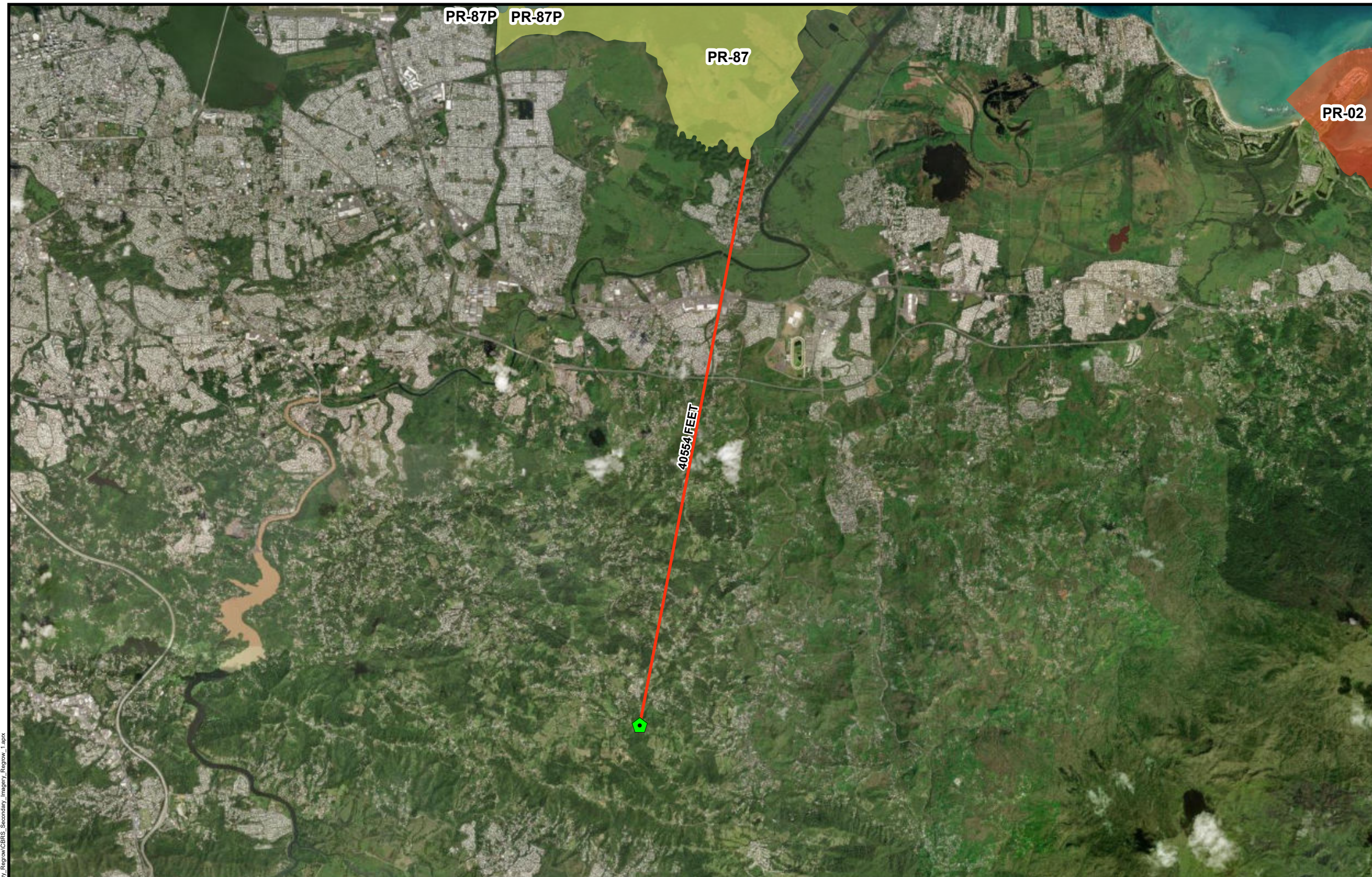
APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

Parcel Coordinates: 18.294386 , -65.938027

File Path: Z:\data\USPR\Tetra\Region\APR2_Secundary_Imagery_Regrow\APR2_Secundary_Imagery_Regrow_5.aprx



Legend

Project Parcel

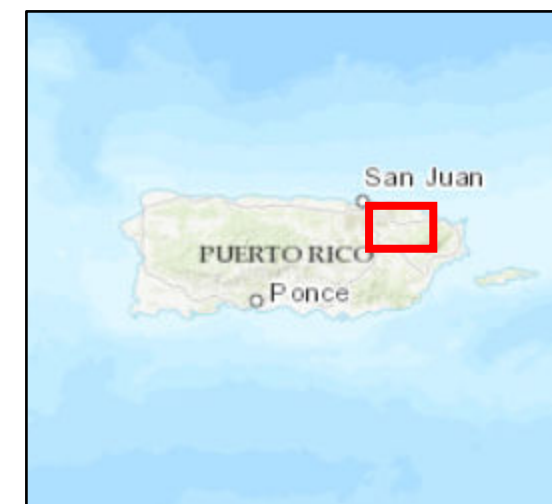
Coastal Barrier Resources System Boundary

Unit

- PR-02
- PR-87
- PR-87P

Distance to Nearest Coastal Barrier Resources System:
40554 Feet

PUERTO RICO



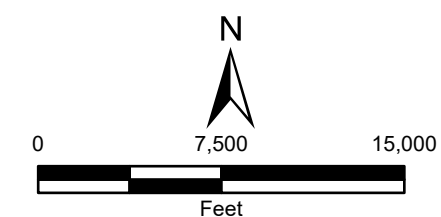
Source: U. S. Fish & Wildlife Service
<https://www.fws.gov>

Figure 3: COASTAL BARRIERS IMPROVEMENT ACT
APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

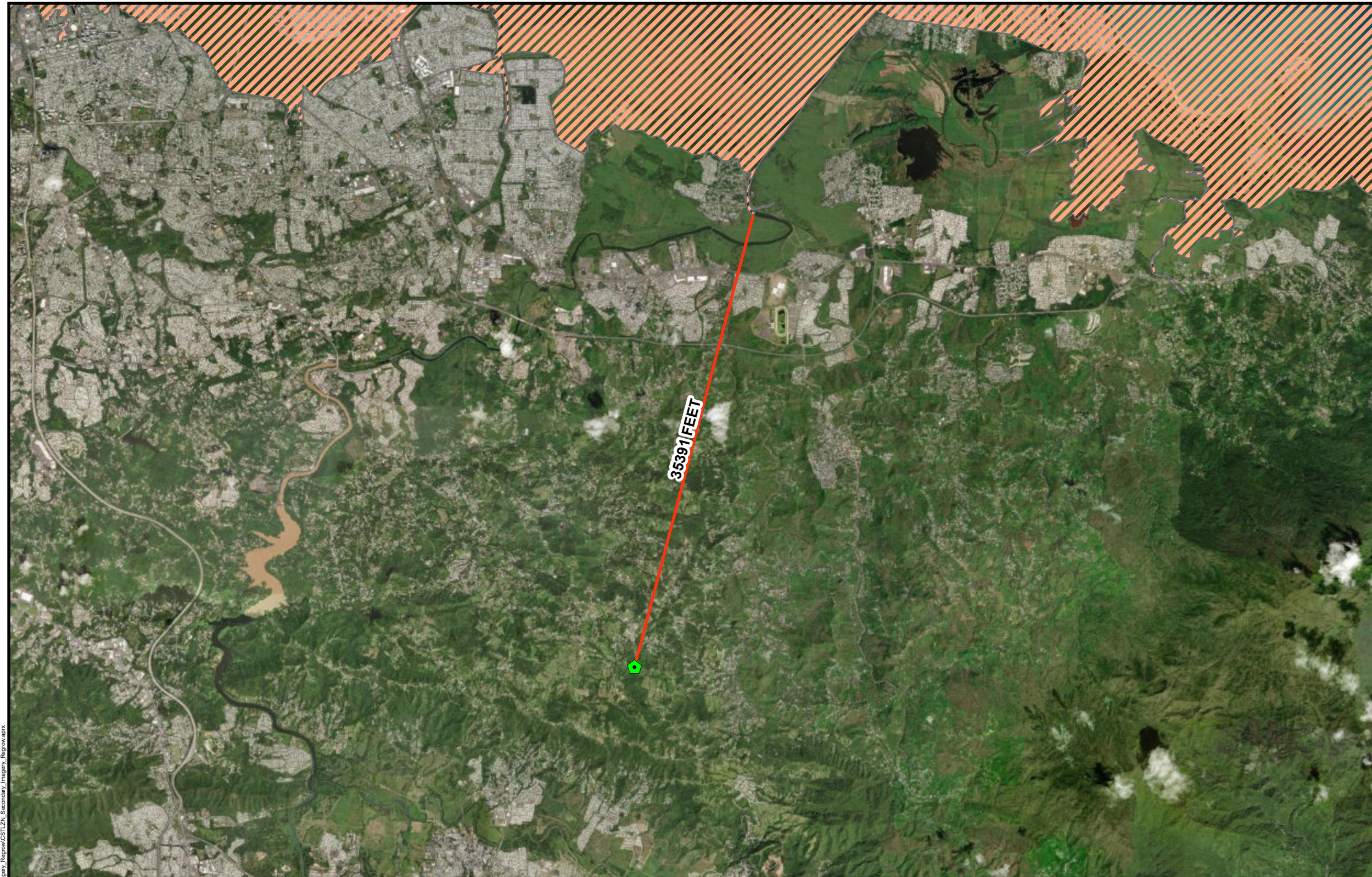
Parcel Coordinates: 18.294386 , -65.938027





Author: TG

Date: 10/17/2023

File Path: Z:\data\USFWS\Tier2\Region\aprx\CBRS_Secoundary_Imagery_Regrow\CBRS_Regrow_1.aprx



Legend

-  Project Parcel
-  Coastal Zone Management Boundary

Distance to Nearest Coastal Zone:
35391 Feet

PUERTO RICO



Figure 7: COASTAL ZONE MANAGEMENT

APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

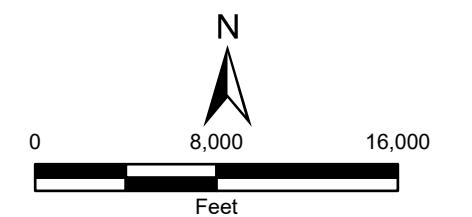
Parcel Coordinates: 18.294386 , -65.938027



Source: NOAA's Ocean Service
<https://data.noaa.gov>

Author: TG

Date: 10/17/2023





Scope of work 1: Installation of a generator in a concrete pad

Scope of work 2: Installation of a cattle chute and a load bar with a true test

- Legend**
- Project Parcel
 - Farm Class**
 - All areas are prime farmland
 - Farmland of statewide importance
 - Farmland of statewide importance, if irrigated
 - Prime farmland if drained
 - Prime farmland if irrigated
 - Prime farmland if irrigated and reclaimed of excess salts and sodium
 - Prime farmland if protected from flooding or not frequently flooded during the growing season
 - Area of Potential Effect

PUERTO RICO

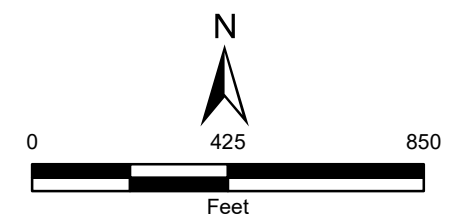


Figure 12: FARMLAND PROTECTION
APPLICANT ID: PR-RGRW-01627
ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778
Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen
Parcel Coordinates: 18.294386 , -65.938027



Source: USDA
<https://websoilsurvey.sc.egov.usda.gov>

Author: TG Date: 3/22/2024





- Legend**
- Project Parcel
 - Parcels
 - FIRM Panels
 - Floodway
 - 100 Yr Floodzone
 - 500 Yr Floodzone
 - Area Of Minimal Flood Hazard
 - Unmapped for Floodplain
 - Area of Potential Effect

PUERTO RICO



Figure 4: FLOODINSURANCE RATE MAP (FIRM) APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

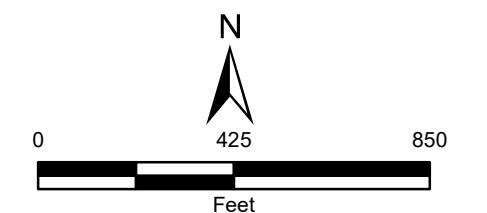
Parcel Coordinates: 18.294386 , -65.938027



Source: FEMA
<https://msc.fema.gov>

Author: TG

Date: 4/8/2024





- Legend**
- Project Parcel
 - Parcels
 - FIRM Panels
 - Floodway
 - 100 Yr Floodzone
 - 500 Yr Floodzone
 - Area Of Minimal Flood Hazard
 - Unmapped for Floodplain
 - Area of Potential Effect

PUERTO RICO



Figure 4: FLOODINSURANCE RATE MAP (FIRM) APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

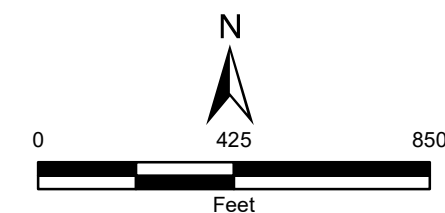
Parcel Coordinates: 18.294386 , -65.938027



Source: FEMA
<https://msc.fema.gov>

Author: TG

Date: 4/8/2024





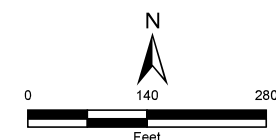
Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) <i>Zone A, V, AE, AH</i> With BFE or Depth <i>Zone AE, AD, AH, VE, AR</i> Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> Effective LOMRs Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
OTHER FEATURES	Cross Sections with 1% Annual Chance Water Surface Elevation Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary Coastal Transect Baseline Profile Baseline Hydrographic Feature
MAP PANELS	Digital Data Available No Digital Data Available Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

PUERTO RICO



Source: FEMA
<https://www.msc.fema.gov>

Author: TG Date: 5/31/2023

FIGURE 5: NATIONAL FLOOD HAZARD LAYER FIRMETTE APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945, Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

Parcel Coordinates: 18.294386, -65.938027



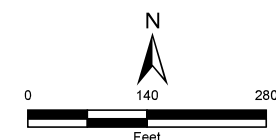
Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) <i>Zone A, V, AE, AR</i> With BFE or Depth <i>Zone AE, AD, AH, VE, AR</i> Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> Effective LOMRs Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
OTHER FEATURES	Cross Sections with 1% Annual Chance Water Surface Elevation Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary Coastal Transect Baseline Profile Baseline Hydrographic Feature
MAP PANELS	Digital Data Available No Digital Data Available Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

PUERTO RICO



Source: FEMA
<https://www.msc.fema.gov>

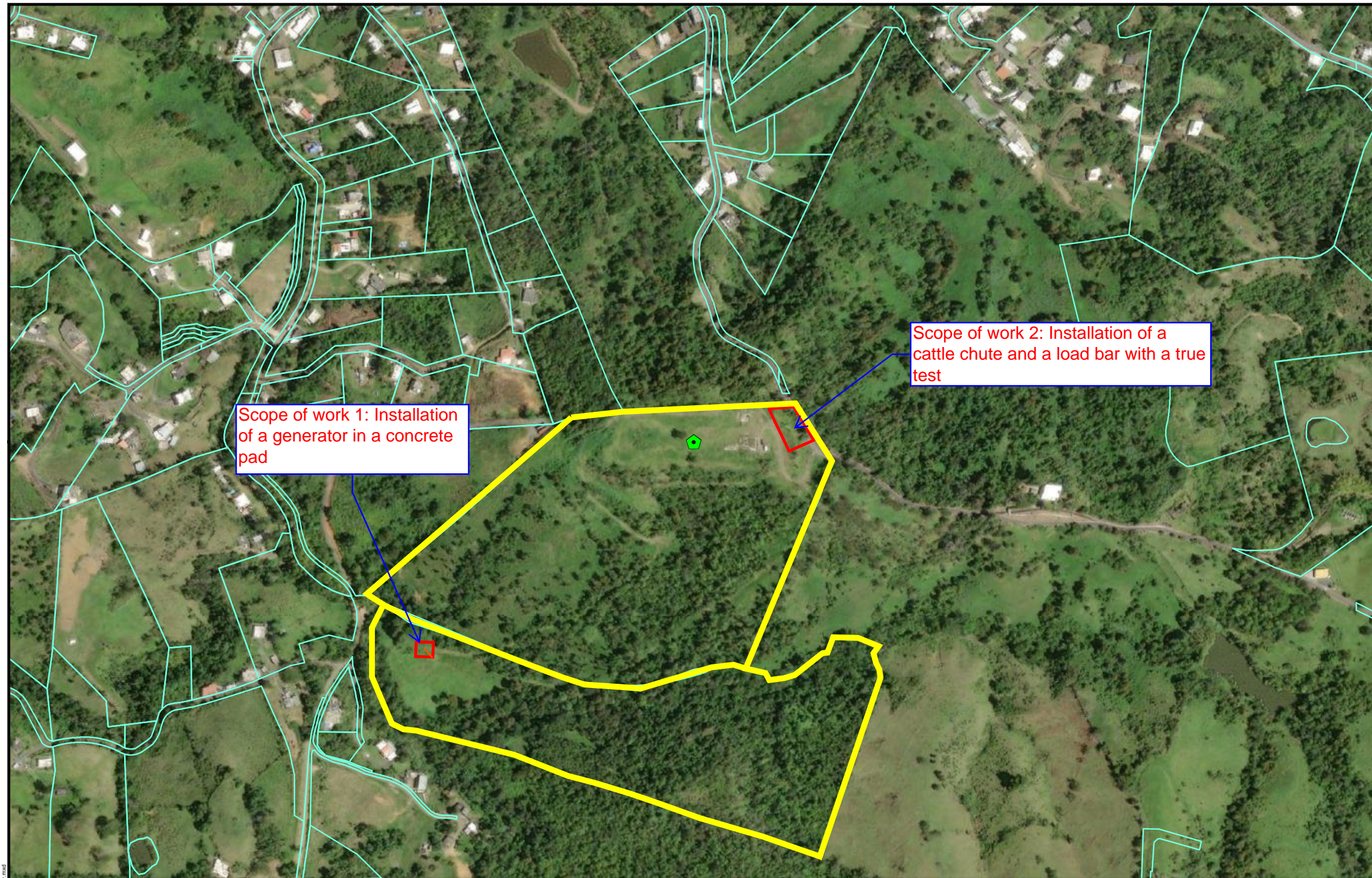
Author: TG Date: 5/31/2023

FIGURE 5: NATIONAL FLOOD HAZARD LAYER FIRMETTE APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945, Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

Parcel Coordinates: 18.294386, -65.938027



- Legend**
- Project Parcel
 - Parcels
 - Area of Potential Effect
 - Project parcel boundaries
 - Power connection

PUERTO RICO



Source: CRIM
<https://catastro.crimpr.net/cdprpc/>

Author: TG

Date: 3/22/2024

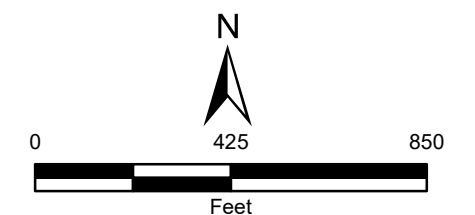
Figure 1: PROJECT LOCATION

APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

Parcel Coordinates: 18.294386 , -65.938027





Legend

 Project Parcel

 Sole Source Aquifer

 Biscayne Aquifer SSA


 Biscayne Aquifer SSA

 Streamflow and Recharge Source Zones

Distance to Nearest Aquifer:
5,505,490 FT

PUERTO RICO





TETRA TECH

Source: USGS
<https://catalog.data.gov/dataset/epa-sole-source-aquifers>

Author: TG

Figure 17: SOLE SOURCE AQUIFERS

APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

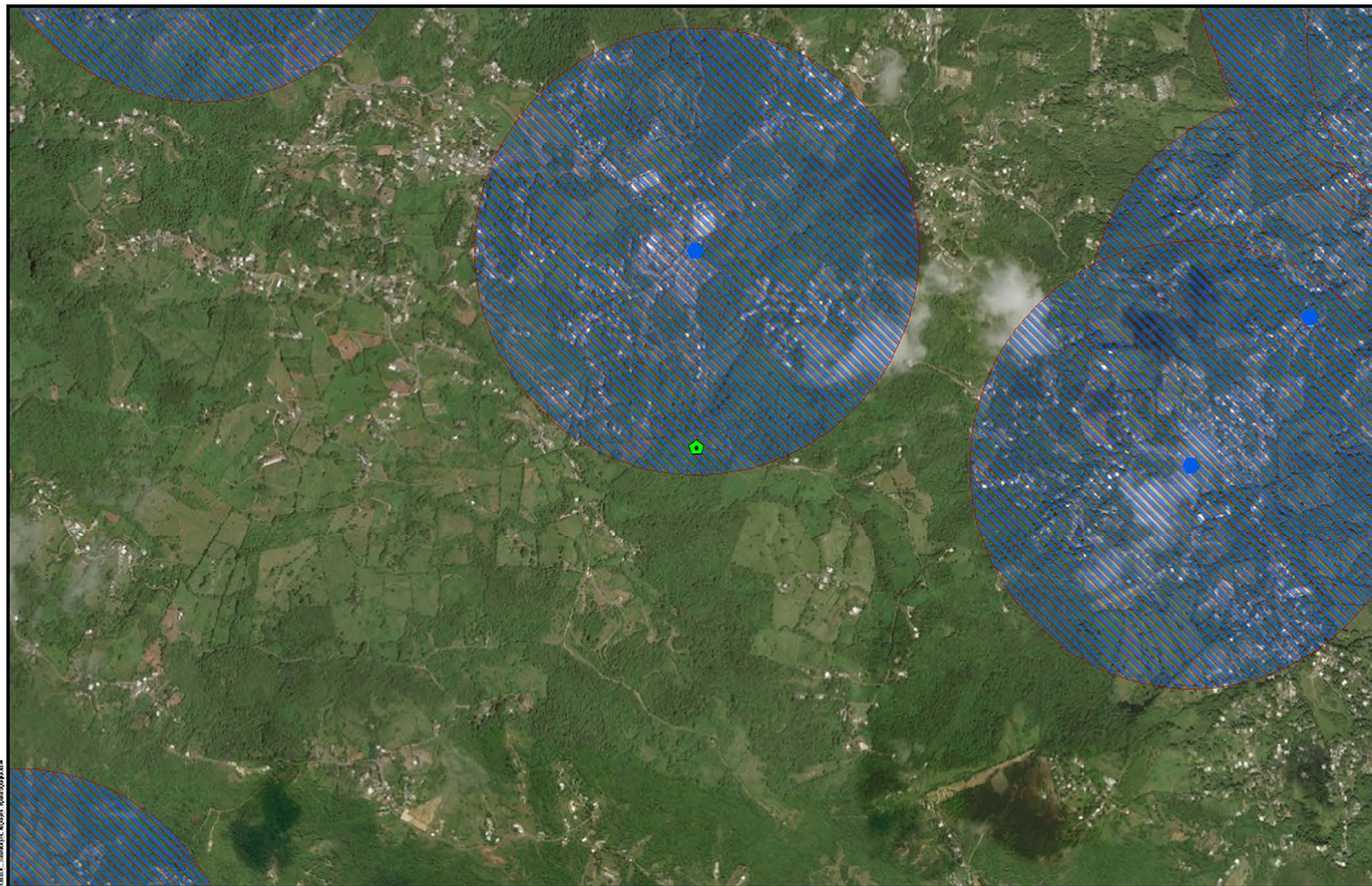
Parcel Coordinates: 18.294386 , -65.938027

N

0490,940981,880

Feet

File Path: Z:\data\USPR\Tier2\Regrow\apex\AQUIFER_SoSecondary_Imagery_Regrow_1.aprx



- Legend**
- RCRA
 - Tier 2 Site
 - Toxic Release Inventory Site
 - Superfund Site
 - Brownfield Sites
 - 3000 Ft Buffer TRI
 - 3000 Ft Buffer Superfund
 - 3000 Ft Buffer RCRA
 - 3000 Ft Buffer Brownfield

PUERTO RICO

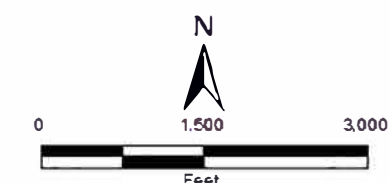


Figure 8: TOXIC CHEMICALS AND GASES, HAZARDOUS MATERIALS, CONTAMINATION, AND RADIOACTIVE SUBSTANCES
APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945, Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

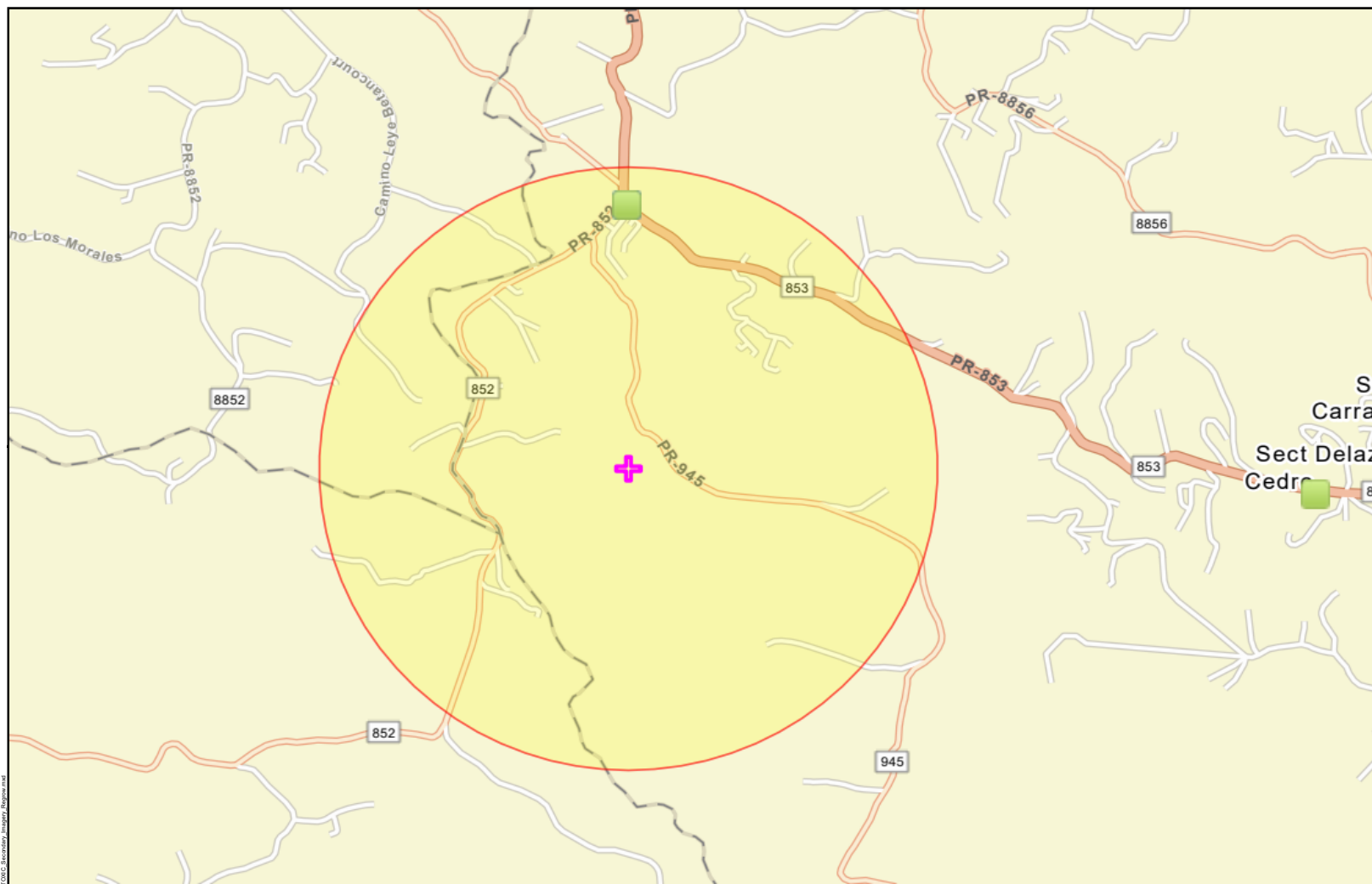
Parcel Coordinates: 18.294386 , -65.938027



Source: E.P.A.

<https://www.epa.gov/its/geospatial-data-download-service>

Date: 11/2/2022



Legend

- Superfund (NPL)
- Toxic Substances Control Act (TSCA)
- Toxic Releases (TRI)
- Brownfields (ACRES)
- Hazardous Waste (RCRAInfo)
- + Project Parcel
- 3000 Ft Buffer

PUERTO RICO



Figure 9: NEPA Assist Map

APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945, Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Dofia Carmen

Parcel Coordinates: 18.294386, -65.938027

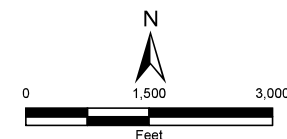


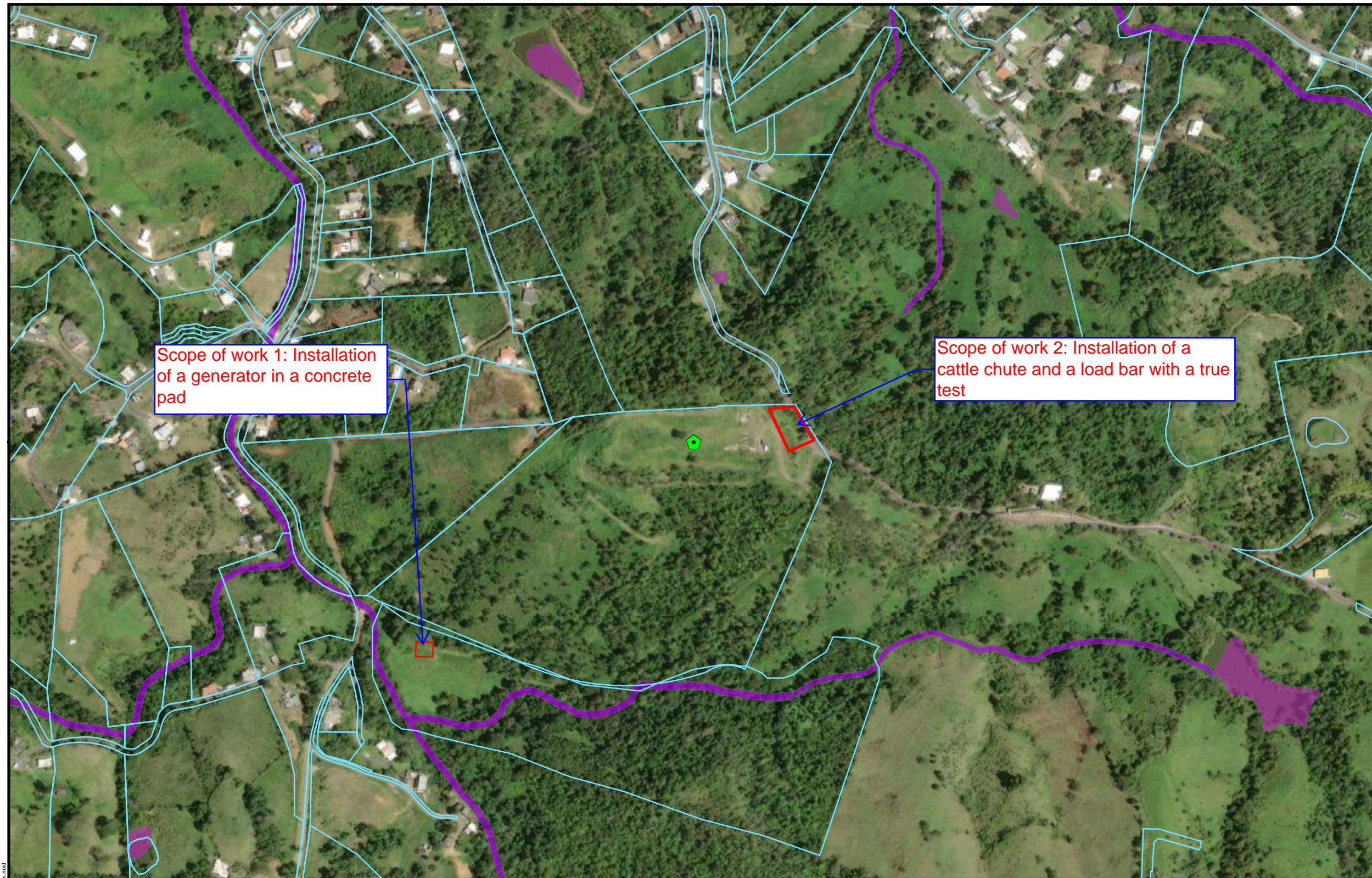
Source: E.P.A.

<https://www.epa.gov/frs/geospatial-data-download-service>

Author: JB/AK

Date: 5/18/2023





- Legend**
- Project Parcel
 - Parcels
- WETLAND TYPE**
- Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Riverine
 - Area of Potential Effect

PUERTO RICO



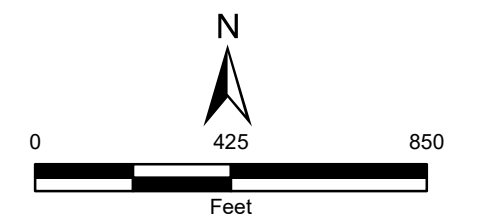
Figure 14: WETLANDS
APPLICANT ID: PR-RGRW-01627
ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778
Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen
Parcel Coordinates: 18.294386 , -65.938027

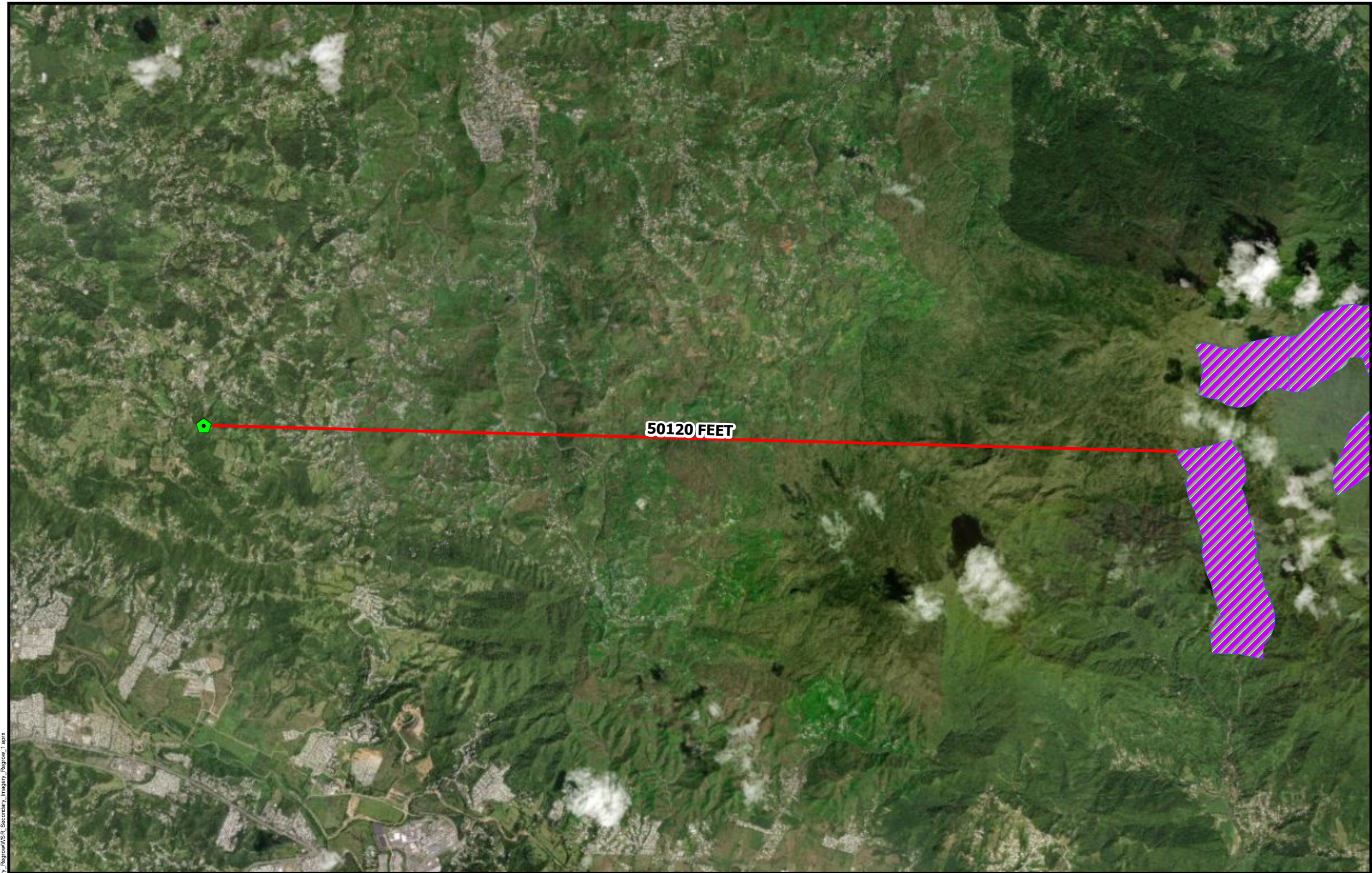


Source: U. S. Fish & Wildlife Service
<https://www.fws.gov>



Author: TG

Date: 3/22/2024





Legend

-  Project Parcel
-  Wild and Scenic Rivers

Distance to Nearest Wild and Scenic River: 50120 Feet

PUERTO RICO



Map of Puerto Rico showing major cities and elevation. A red box highlights the location of the project in the eastern part of the island.

Scale and Orientation:



0 5,000 10,000 Feet



Source: U. S. Forest Service
<https://www.fs.usda.gov>

Author: TG Date: 10/23/2023

Figure 15: WILD AND SCENIC RIVERS ACT

APPLICANT ID: PR-RGRW-01627

ADDRESS: Carr 945. Carr. 853 km 11.6 Bo. Barrazas, Carolina, PR 00778

Name of Development: Felix Gonzalez DBA Hacienda Doña Carmen

Parcel Coordinates: 18.294386 , -65.938027

File Path: Z:\data\USPRTier2\Regrow\apw\SR_Secondary_Imagery_Regrow.aprx