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

Project Information

Project Name: PR-CRP-000670 Multi-use Center Autonomous Municipality of Moca

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

Grant Recipient (if different than Responsible Entity): Municipality of Moca

State/Local Identifier: Puerto Rico (PR-CRP-000670)

Preparer: Javier Vélez Arocho, Diatom Environmental Services, LLC

Certifying Officer Name and Title:
Juan Carlos Perez-Bofill - Director, Disaster Recovery CDBG-DR
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Consultant (if applicable): EcoDesign Studios

Direct Comments to: PRDOH (environmentcdbg@vivienda.pr.gov)

Project Location: Southeast corner of Calle Mario Medina and Calle Don Chemary, Moca, Puerto Rico. Coordinates: 18.392737, -67.111227. Parcel ID #s 070-033-023-61-000 and 070-033-023-37-001. See Figure 1 in Appendix A.

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]**:** The municipality proposes the design and construction of a new one-story approximately 11,000 square foot building with a parking

area. Planning includes an area for a ballroom-style Activity Room that seats approximately 625 people. It is also planned that approximately 300 people be accommodated in banquet-style accommodations. The additional spaces required for the building are the main hall, the stage, and the corridors, respectively. In addition to the rooms with mobile walls and the activity room, other complementary spaces required are the kitchen, dining room, storage area, administration office, and bathrooms on each level. The new spaces will be adapted to various disciplines, such as music, art, dance, and other cultural activities. The halls will also be used for multiple sports classes and spaces for the exhibition of handicrafts. Due to the multi-functional nature of the spaces, it is considered that the rooms should have mobile walls. During times of emergency, the activity center will be used as a space for government agencies to provide services to citizens and as a location for the distribution of supplies and necessities. We propose constructing a resilient structure with a water tank, electric generator, or a renewable energy system that will continue to operate during an emergency and provide the necessary services to our citizens after the emergency.

Landscaping around the new building will include the section of Mario Medina Street that runs along the west side of the proposed site and the section of Don Chemary Street to the north of the site. Parking lots and access areas will be designed to be in harmony with the new structure. Currently, there is a structure that will have to be demolished.

Effects on the community if the project is not implemented are discussed under the No Action Alternative below.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]: The proposed project is intended to revitalize and improve downtown Moca's infrastructure to meet our population's needs, primarily low-to-moderate income (LMI). This project will improve the public infrastructure, providing a new venue for cultural events and education while complying with ADA regulations without impacting greenfields or open spaces within the urban setting. The improvements will also add pedestrian crossings, allowing better access and continuity to the Urban Center of Moca. These improvements are part of the “City’s Master Plan” to connect significant points of interest in the city within a 15-minute walk and to bring residents back to the urban center. The main objectives are to rehabilitate the urban area, promote a lively urban neighborhood, promote pedestrian safety, and create resiliency after damages caused by declared disasters Irma and María. The project's development will increase entertainment spaces, improve living conditions, and improve the local economy.

Existing Conditions and Trends [24 CFR 58.40(a)]:
The proposed project is located in the Moca Urban Area on the southeast corner of Calle Mario Medina and Calle Don Chemary. The old baseball park is adjacent to the eastern border of the site. The 0.63 acre construction site lies in an impacted zone with urban and commercial spaces within downtown Moca. The surrounding neighborhood consists of open lands, residencies, and small businesses. Effects on the community if the project is not implemented are discussed under the No Action Alternative below.

There is currently one structure on the site. It will be demolished. It was built circa 1970 and serves a storage for municipal maintenance supplies and trucks. Most of the site is used as informal parking areas,

and was used as a storage/deposit area for urban fill as part of the construction of the adjacent baseball park.

Funding Information

Grant Number	HUD Program	Funding Amount
B-17-DM-72-0001; B-18-DP-72-0001; B-19-DP-78-0002; B-18-DE-72-0001	Community Development Block Grant – Disaster Recovery (CDBG-DR)	$11,938,162,230

Estimated Total HUD Funded Amount: $4,448,827.61

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: $4,448,827.61

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

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

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	**Are formal compliance steps or mitigation required?**	**No formal compliance steps of mitigation required. The project will be achieved without adverse effects on the protected resource. No formal consultation, permit or agreement is required to establish compliance.**
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	The project is not located within an FAA-designated civilian airport Runway Clear Zone (RCA) or Runway Protection Zone, or within the military Airfield Clear Zone (CZ) or Accident Potential Zone/Approach Protection Zone (APZ), based upon information from the airport or military airfield administrator identifying the boundaries of such zones. The project is 36,163 feet from the civilian Rafael Hernandez International Airport and 386,072 feet from the military airport collocated with the Luis Munoz Marin International Airport. The project is in compliance with Airport Hazards requirements. See Figure 2 in Appendix A.

Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	The project site is not located on a designated Coastal Barrier Resource System unit. The project is located 17,667 feet east of the nearest CBRS system in the Aguada-Aguadilla area. Thus, the project has no potential impact on CBRS Unit, and it is in compliance with the Coastal Barriers Resources Act. See Figure 3 in Appendix A.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes ☐ No ☒	This project is located within Zone X and not located within the 100-year floodplain per Flood Insurance Map 72000C0165J, effective date November 18, 2009. This project is in compliance with Flood Disaster Protection Act and National Flood Insurance Reform Act. See Figure 4 in Appendix A.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes ☐ No ☒	The project is located within an "attainment" area. The project site is in the Barrio Pueblo of the Municipality of Moca. The Municipio of Moca is not listed in the EPA Green Book "Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants" (See the List in Appendix B). During construction, the contractor will implement controls for fugitive dust. The project is in compliance with Clean Air Act.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☐ No ☒	The Project site is located 16,156 feet from the jurisdiction of the Coastal Zone Management Program. The proposed project does not affect a coastal zone as defined in the PR Coastal Zone Management Plan. The project is in compliance with the Coastal Zone Management Act. See Figure 5 in Appendix A.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes ☒ No ☐	The proposed action will occur on an undeveloped lot with one existing building built around 1970. The building (an old house) consists of concrete walls and roof on a concrete slab foundation. The building has been recently used for storage and the fenced yard for vehicle and container storage. The site was originally used for agricultural activity of minor products and sugar cane. In the mid-twentieth century the town began to expand, and the fields were eliminated in its urbanization process. All remnants of the agricultural past have been eliminated from the site and its surroundings. The site had been previously impacted with urban fill as part of building the adjacent baseball park. There are

		some small piles of debris inside the fenced area. (see cultural resources report and photos in Appendix E). A site visit did not find any indications of underground storage tanks, leaking equipment or containers, or past hazardous operations (see report in Appendix C). Testing for contamination of debris, building material and soils in the storage will occur before demolition, removal, and subsequent construction. The NEPA Assistance Website was used to identify known contaminated landfills or other sites, properties, or emission sources within a 3,000 foot radius. See Figure 6 in Appendix A. According to the information, this radius has four RCRA sites. Records show two Clean Water Act sites within a 3,000 foot radius. None of these sites have violations for the last three years. See ECHO reports of these sites in Appendix C. With these conditions and the distance, there would not be any impacts to the project site. 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 reason(s): The latest report for radon testing in Puerto Rico was prepared in 1995; there is no available science-based data on radon in PR over the last 10 years; radon testing is time consuming and highly expensive on the island; DIY radon test kits are unreliable in humid conditions and are not readily available in PR; local authorities in PR do not have the specialized monitoring equipment or staff needed to conduct testing. For more details, please see the attached Radon Memorandum in Appendix C.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☒ No ☐	The project site is a cleared unpaved site within a developed area of the Municipality of Moca. The Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website lists the Puerto Rican Boa as being able to be found in the area, but there are no critical habitats for them at this location. According to the USFWS, the nearest critical or proposed critical habitat is 53,038 feet to the northeast of the project location. See Figure 7 in Appendix A. A site-specific review of endangered species was conducted in accordance with the Fish and Wildlife Act

		(47 Stat. 401, as amended: 16 U.S.C. 661 et seq.) and the Self-Certification guidelines in the 2014 USFW Caribbean Ecological Services Field Office Blanket Clearance Letter. The USFWS concurred with this determination on March 10, 2024. (See Appendix D). If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW Puerto Rican Boa Conservation Measures guidelines. Refer to Figure 7 in Appendix A and the Endangered Species Package in Appendix D. This project is in compliance with the Endangered Species Act.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☒ No ☐	While the project will provide resilience and new venue for events and the management of emergencies, the project does not involve the development, construction, or rehabilitation that will increase residential density or conversion. The project includes an emergency generator with a integral 800 gallon diesel fuel tank. This Acceptable Separation Distance as calculated using the HUD ASD calculator is 45.53 feet (Appendix C). The planned location of the tank is approximately 100 feet away from the nearest existing building, the Centro Technologico Municipal (a non-residential building). The tank is planned to be approximately 13.52 feet from the southeast corner of the proposed building. This distance is inside the HUD ASD. Although not a residential project, the facility will include occupation. Mitigation will be required. Either the generator fuel tank will have to moved farther away form the building, or a barrier capable of resisting the thermal radiation between the tank and the building. Examination of aerial views and street views show no other above ground storage tanks within the acceptable separation distance that would not be blocked by intervening public infrastructure. Thus, the project is in compliance with explosive and flammable hazard requirements.

Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes ☐ No ☒	The proposed project consists of a new one-story approximately 11,000 square foot building with a parking. The soil at the site is classified as MuD3 with 12 to 20 percent slopes and is severely eroded. This soil is classified as farmland of statewide importance. See soils report in Appendix F. The Farmland Protection Policy Act 7 Part 658.2(a) defines farmland. "Farmland does not include land already in or committed to urban development or water storage. Farmland "already in" urban development or water storage includes all such land with a density of 30 structures per 40-acre area. Farmland already in urban development also includes lands identified as ''urbanized area'' (UA) on the Census Bureau Map, or as urban area mapped with a ''tint overprint'' on the USGS topographical maps, or as ''urban-built-up'' on the USDA Important Farmland Maps." The site is in an area classified as urban by the U. Census (See figure in Appendix F). The project site is not used for agricultural purposes. The land use will not be converted from agricultural uses. The project complies with the Agricultural Land Protection Policy Act. See soils report in Appendix F.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☐ No ☒	The proposed project is not located in the Federal Flood Risk Management Standard (FFRMS) floodplain. The extent of the FFRMS floodplain was determined using the 500-year floodplain as indicated on the ABFE Map (See Figure 8 in Appendix A). https://gis-r2-fema.hub.arcgis.com/pages/puertorico. See Worksheet A10 in Appendix A and Figure 8 in Appendix B. This project is in compliance with Executive Order 11988, as amended by Executive Order 13690, Section 2: 24 CFR Part 55. See Figures 4 and 8 in Appendix A.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☐ No ☒	The site was evaluated on October 4, 2023, March 15, 2024, and May 17, 2024 by an SOI Qualified Architect/Architectural Historian. Additionally, the site was evaluated on October 4, 2023, March 27, 2024, May 24, 2024, June 26, 2024, and June 17, 2024 by an SOI Qualified Archaeologist. (See Appendix E). SHPO concurred with a finding of **No Historic Properties**

		Affected within the project's Area of Potential on Effects on August 26, 2024. Refer to the Section 106 Consultation Package in Appendix E**.** This project is in compliance with Historic Preservation requirements.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes ☐ No ☒	Although this is new construction, the proposed activities will not impact nearby communities. The proposed action will be conducted during normal construction hours (7:00 am to 4:00 pm) using equipment with internal noise suppression systems. Noise assessment is required only if the project is for new construction or rehabilitation for residential use. Thus, no noise assessment is required for this project and the project is in compliance with the Noise Control Act.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☐ No ☒	There are no EPA sole source aquifers in Puerto Rico. Furthermore, the project consists of activities that are unlikely to have an adverse impact on groundwater resources. The project is in compliance with Sole Source Aquifer requirements. See Figure 9 in Appendix A.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes ☐ No ☒	The project does not require compliance with 8-step decision-making at 24 CFR Part 55.20 or the 5-step decision-making at 24 CFR 55.12(a). The proposed activities involve the construction of public infrastructure in a previously developed area. There is no wetland within 300 feet of project site and the proposed action is not likely to result in direct or indirect permanent impacts to wetlands. See Figure 10 in Appendix A. The project is in compliance with Executive Order 11990.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	Puerto Rico has only three Wild and Scenic Rivers which are located in the boundary between the municipalities of Rio Grande and Luquillo and in Naguabo. The proposed project site is 459,795 feet west of these rivers. There will be no impact to Wild and Scenic Rivers and complies with Wild and Scenic rivers Act of 1968. See Figure 11 in Appendix A.

ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No ☐ ☒	The project will benefit low- and moderate-income communities. Thus, there will be no disproportionate impact on these communities. No adverse environmental impacts were identified in the project's total environmental review. The project is in compliance with Executive Order 12898.

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

Impact Codes: Use an impact code from the following list to determine each factor's impact.
(1) Minor beneficial impact
(2) No impact anticipated
(3) Minor Adverse Impact – May require mitigation
(4) Significant or potentially significant impact requiring avoidance or modification, which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	1	According to the current qualification map, the land is considered "Dotacional" and Urban Land. This district is designed to construct ancillary buildings as part of the public infrastructure of the cities and towns around Puerto Rico. The site is currently used for municipal storage and equipment parking. The project is an infill of a mostly undeveloped parcel in downtown Moca. The buildings in the surrounding neighborhood are one to two-stories in height. The area includes municipal offices, technological school, baseball park, and parking lots.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The proposed action is constructing a new building with sidewalks and ramps near PR-125. Soils at the site are rated as very limited (See Appendix F). Soil issues may have to be addressed during the initial construction activities. Geotechnical studies have proposed that the expansive soils be improved to be reused as fill. The site is relatively flat with little current erosion issues. The proposed project consists of

		approximately 11,000 square feet of new building construction will impact the surface as follows: 90% concrete and 10% landscaping. In addition, the contractor must comply with the SWPPP permit for commercial projects of less than 5 acres. Surface water caused by a rain event will be re-directed to storm wells at low points with prevailing 1% slopes and discharged into the existing storm sewer system in front of the proposed project. The contractor must comply with the CES plan (Sediment and Erosion Control Plan) during construction, and after use, all surfaces must be covered with grass, concrete, asphalt, or crushed rock.
Hazards and Nuisances including Site Safety and Noise	2	Require contractors to provide health and safety plans and monitoring during construction. The project is well-located, and the design should comply with all applicable regulations to reduce natural and man-made risks to people or property damage to both the public and users of the project. They can be included as integral components of the proposed project design by the designer (engineering designs, and/or elevation or flood protection) and can be implemented with the proposed project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	The project will generate temporary work for the construction period. Additionally, additional municipal permanent staff will be added to provide maintenance services to revitalize the infrastructure. This infrastructure will improve livability conditions within Moca and represent the opportunity to create employment. The proposed project will assist in employment and income patterns; therefore, it leads to favorable developments for commercial, industrial, and institutional operations in the project area with better accessibility to the urban area.
Demographic Character Changes, Displacement	2	The proposed project will not significantly alter the demographic characteristics of the communities involved. Most of the proposed activities will promote the local economy and generate new job opportunities and new business opportunities by having access that integrates the community into the urban area. The proposed project will not create physical barriers or access difficulties that isolate a particular neighborhood or population group, nor will it hinder access to local services, facilities, and institutions, or other parts of the city. The project will not alter the tourist, historical, commercial, or residential uses since the proposed activities serve as an ancillary use of the commercial behavior of the area.
Environmental Justice	1	The project will benefit low- and moderate-income communities. Thus, there will be no disproportionate impact on these communities. No adverse environmental impacts were identified in the project's total

		environmental review. The project is in compliance with Executive Order 12898.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	1	The proposed action will provide new performance arts space as well as spaces for music arts and sports classes.
Commercial Facilities	1	The proposed action will generate new business opportunities and commercial facilities in its surroundings. The proposed project would, in turn, increase the demand for local business services. Near the proposed project are restaurants, gas stations, supermarkets, passive parks, and rides, which will positively impact the proposed project since they provide essential and necessary services to the community in general.
Health Care and Social Services	2	The proposed project would have little effect on regional health facilities. Movement of pedestrians into the area will not affect that trend and therefore will not create the need for additional health care facilities. The project would not cause an increase in the demand for social services at the city or Island level.
Solid Waste Disposal / Recycling	2	The proposed action will result in a small amount of concrete debris from the demolition of the existing single family house/storage building. The construction of the new facility will result in the generation of construction debris. The management of construction debris in accordance with local regulations are included in the requirements for services the contractors will provide. During operations, the municipality of MOCA will provide disposal/recycling services. The overall impact in the management of solid waste in Moca will be minor.
Waste Water / Sanitary Sewers	2	The proposed action will generate wastewater, however, the capacity for treatment will be provided by the PR Aqueduct and Sewer Authority.
Water Supply	2	The proposed action will not have an impact on water supply within the Moca area. During construction, most of the consumption is supplied by non-potable water trucks and will not cause increases in water demand in the area. During operations the water would be provided by the PR Aqueduct and Sewer Authority.
Public Safety - Police, Fire and Emergency Medical	2	The new project is not expected to strain the effectiveness of these local services. The proposed actions will increase livability in the area, but will not have an impact in the Emergency Medical Services.
Parks, Open Space and Recreation	1	The activities of the proposed project take place next to the center of Moca. The proposed activity will have a positive impact on the surrounding open spaces and recreational facilities. The proposed

		project involves the development of a community service for open space and recreation directly impacting the commercial activities of small and medium businesses adjacent to the proposed project.
Transportation and Accessibility	1	The proposed project would improve accessibility in the area by providing much needed well-planned entertainment infrastructure. This will include integrated off-street parking.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The proposed project is not expected to cause any water quality problems at or around the construction site. Construction activities must implement the best management practices and will not imply discharges or sewage effluents to surface water bodies. During operation, stormwater will be directed to the existing gradient without impacting surface waters. Construction activities will be carried out in an urbanized area of the municipality. Currently, the site consists of open channels and open ground since the site was previously developed, it has been deprived of its original state. Therefore, unique natural features are not expected to be affected or impact the proposed project.
Vegetation, Wildlife	2	Construction activities will take adjacent to the PR-123 of the municipality of Moca, and it is not anticipated that trees, vegetation, or native plant community habitats will be adversely affected. The contractor will comply with the Planting and Reforestation Plan of the current Joint Regulation.
Other Factors	2	N/A

Environmental Assessment Factor	Impact Code	Impact Evaluation
CLIMATE AND ENERGY		
Climate Change Impacts	2	The activities of the proposed project take place next to the center of Moca. Paving the site will have a minor increase in the area's urban heat island effect. There would be no changes to the site configuration or structure that would specifically address the possibility and uncertainty of rising sea levels or the possibility of increases in rainfall intensity. The activities of the proposed project take place next to the center of Moca. The proposed activity will have a positive impact on the surrounding open spaces and recreational facilities fostering the use of public transportation reducing additional emissions from individual cars.

Energy Efficiency	1	During construction, most of the consumption is by internal combustion engines, it will not impact the power grid. The building include energy efficient equipment and luminaries.

Additional Studies Performed:
None

Field Inspection (Date and completed by)**:**
Site visit June 7, 2024 by Javier Velez Arocho

List of Sources, Agencies, and Persons Consulted [40 CFR 1508.9(b)]**:**
1. USFWS National Wetland Inventory
2. Puerto Rico Planning Board – MIPR map interphase
3. DRNA - Department of Natural and Environmental Resources
4. USFWS – Endangered Species Act Puerto Rico Reference Map
5. NEPAssist - National Environmental Policy Act

List of Permits Obtained:
None.

Public Outreach [24 CFR 50.23 & 58.43]**:**
This project includes a Finding of No Significant Impact and a Notice of Intent for Release of Funds that were issued for public review in compliance with HUD NEPA requirements.

Cumulative Impact Analysis [24 CFR 58.32]**:**
Cumulative impacts result from the incremental effect of the proposed action when added to other past, present, and reasonably foreseeable future actions, regardless of what entity (government or private) undertakes such other actions. Cumulative impacts are not expected to be significant. The following cumulative impacts could be expected. The project will impermeabilize the project site and could increase the stormwater flow reaching the Culebrinas River. To minimize this impact, the project design will comply with Planning Board Regulation 13 to maintain the current stormwater flow into the river. Construction activities could increase the amount of sediment reaching the Culebrinas River. To minimize this impact, erosion and sedimentation control measures will be implemented during construction. The areas that will be exposed will be seeded with grass and landscape treatment.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]:
Before the proposed project, the property was idle and used for unpaved parking and storage. The site is located within one of the main entrances to the Municipality of Moca and needs immediate attention to improve the attractiveness of the community. The need is to improve the site and provide new entertainment and cultural infrastructure to allow residents to use the downtown area while promoting economic development. This project will also help the economy and tourism development and beautify and improve the areas near the urban center of the municipality. There were no other sites within the downtown area of a suitable size for the desired facility and integrated parking.

No Action Alternative [24 CFR 58.40(e)]:
Currently, the Municipality maintains the existing idle space and baseball park, which need to be improved. This project reflects the municipality's intention to provide quality conditions in the downtown area and services to its residents. Under the No Action, the new building would not be built, there would be no new space for cultural and educational activities for the community. The no-action alternative would not improve the condition of the downtown area or improve the services to the town's residents and tourists. The site would continue to be used for unimproved parking and vehicle and container storage.

Summary of Findings and Conclusions:

This project will serve all levels of residents by providing a much-needed government building designed for cultural and emergency services. It will also help attract visitors from other areas, likely increasing the municipality's economic activities. Because the site was previously impacted, there will be no significant environmental impact due to this action. Providing the appropriate public services and improves landscape conditions without impacting ecological resources in the area. Therefore, this project will have social, economic, and environmental benefits in the coming years.

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

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

Law, Authority, or Factor	Mitigation Measure
Erosion	Plan for Erosion and Sedimentation Control
Vegetation	OGPE's Planting and Reforestation Plan of Regulation (Joint Regulation 2021)
Stormwater	Comply with Planning Board Regulation 13 to maintain the current stormwater flow
Contamination	Testing for contamination of debris, building material and soils in the storage will occur before demolition, removal, and subsequent construction.
Explosives and Flammable Hazards	The project includes an emergency generator with an integral 800 gallon diesel fuel tank. The tank is planned to be approximately 13.52 feet from the southeast corner of the proposed building. Either the generator fuel tank will have to moved to a distance of 46 feet from the building, or a barrier capable of resisting the thermal radiation between the tank and the building.
Endangered Species	If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW Puerto Rican Boa Conservation Measures guidelines.

Determination:

☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]
The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]
The project may significantly affect the quality of the human environment.

Preparer Signature:  Date: **10/18/2024**

Name/Title/Organization: **Cliff Jarman, Senior Environmental Scientist, Tetra Tech Inc.**

Certifying Officer Signature:  Date: October 29, 2024

Name/Title: Mónica M. Machuca Ríos / Permits and Environmental Compliance Specialist

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

Appendix A

Figure 1: Project Location

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: Google Earth, CRIM, PR SHPO, NSPS NRIS
Website: https://www.google.com/maps
Author: Tetra Tech Inc.

Site polygon

Figure 2: Airport Hazards

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: Google Earth, CRIM, PR SHPO, NSPS NRIS
Website: https://www.google.com/maps
Author: Tetra Tech Inc.

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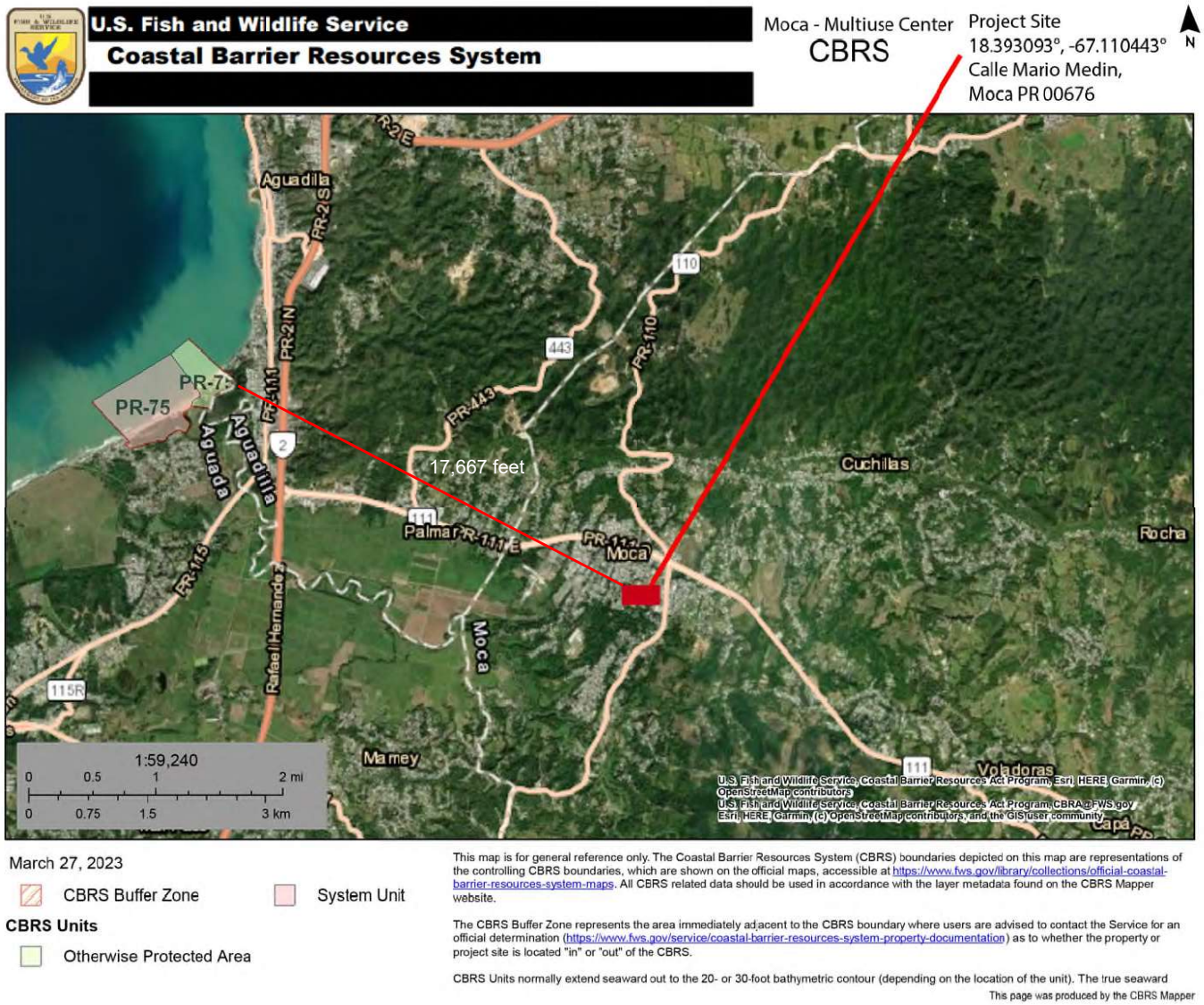


Figure 2: Coastal Barrier Resources

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: USFWS
Website: https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/
Author: Tetra Tech Inc.

N

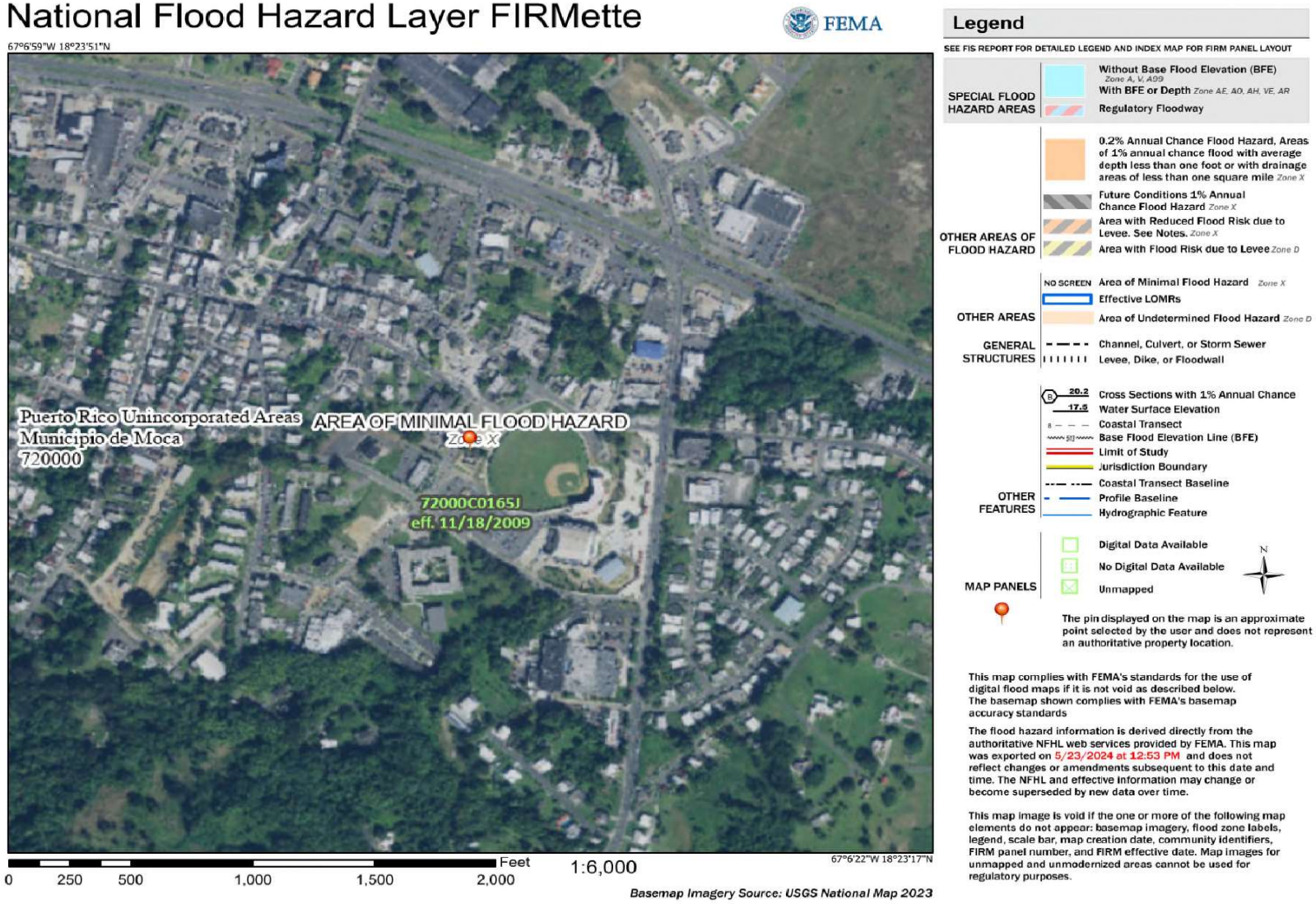


Figure 4: Floodplain Insurance Map

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: FEMA
Website: https://msc.fema.gov/portal/search
Author: Tetra Tech Inc.

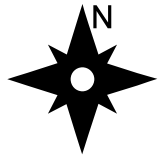


Figure 5: Coastal Zone Management
Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: PR DRNA
Website: https://www.drna.pr.gov/historico/oficinas/arn/re cursosvivientes/costasreservasrefugios/pmzc/pmzc/pmzc2009/PMZCPR%20espanol%202009-final.pdf
Author: Tetra Tech Inc.

Letter ANSI A Landscape

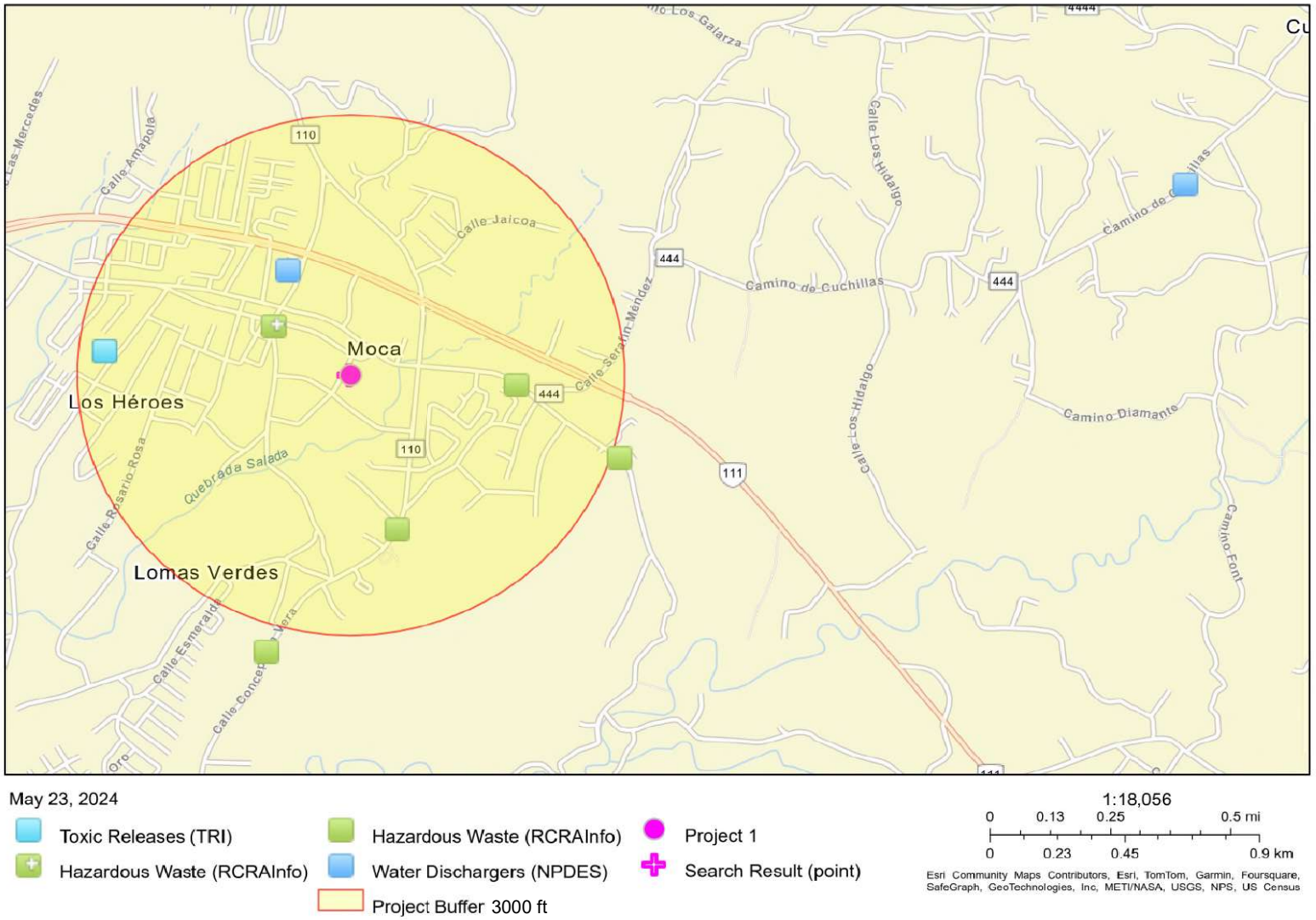


Figure 6: NEPAssist Map (Buffer Distance 3000 feet)
Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: NEPAssist Mapper, EPA
Website: https://www.nepassisttool.epa.gov
Author: Tetra Tech Inc.

N

Figure 7: Critical Habitat for Threatened and Endangered Species

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: USFWS
Website: Critical Habitat for Threatened & Endangered Species [USFWS] (arcgis.com)
Author: Tetra Tech Inc.

N

Multi-use Center Autonomous Municipality of Moca CRP-000670

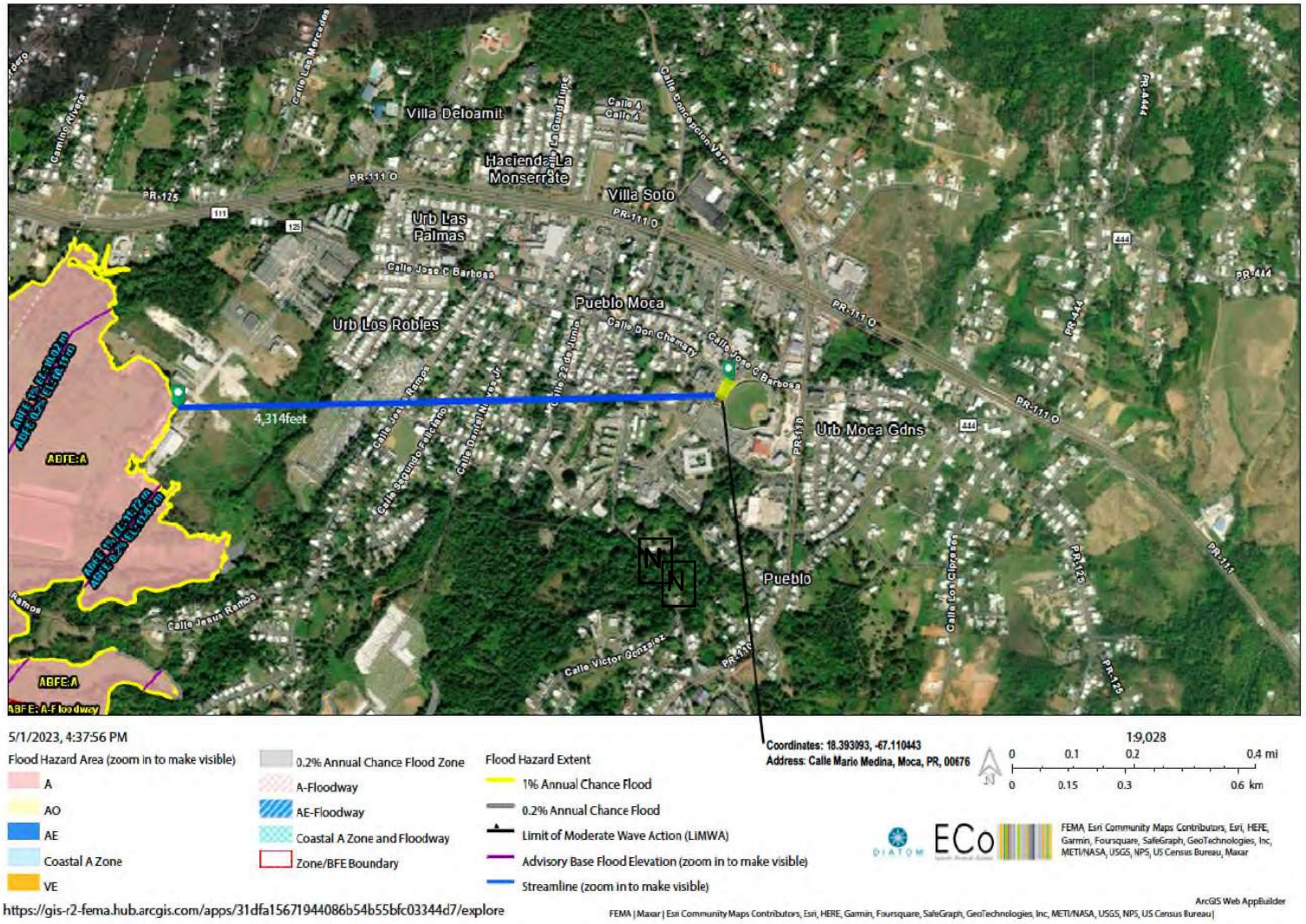


Figure 8: ABFE Map

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: FEMA, ESRI
Website: https://www.arcgis.com/
Author: Tetra Tech Inc.

N

Figure 9: Sole Source Aquifer Map

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)

Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)

Source: EPA

Website: https://www.epa.gov/dwssa

Author: Tetra Tech Inc.

Legend

Project Area

Sole Source Aquifers

0 100 200 400 mi

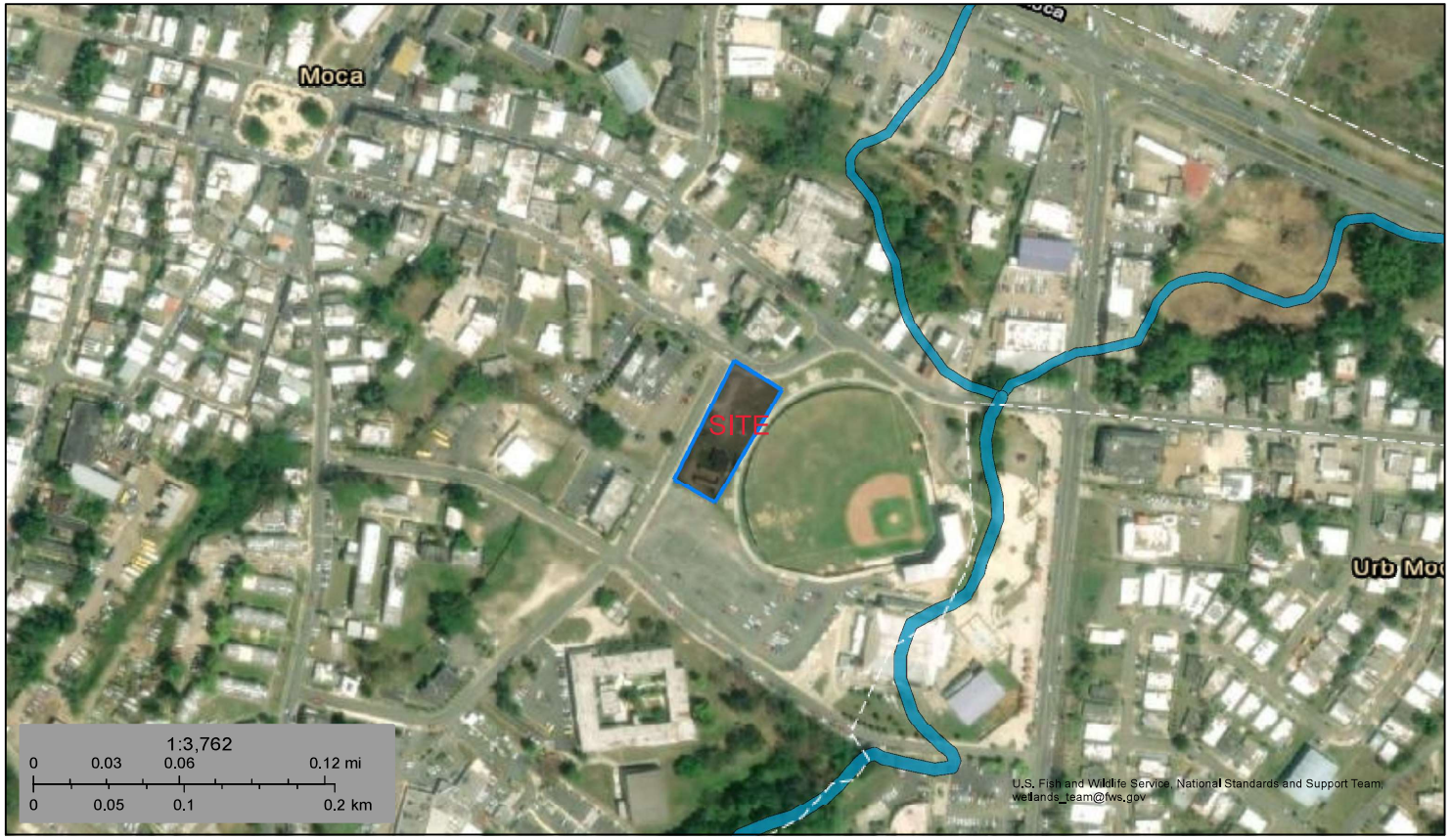
0 155 310 620 km

Esri, HERE, Garmin, NGA, USGS

N W E S

U.S. Fish and Wildlife Service
National Wetlands Inventory

PR-CRP-000670
Centro Multiuso Distrito Moca



December 26, 2023

Wetlands

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Figure 10: Wetlands Map

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: USFWS NWI
Website: National Wetlands Inventory (usgs.gov)
Author: Tetra Tech Inc.

N

Figure 11: Wild and Scenic Rivers

Project Name: Multi-use Center Autonomous Municipality of Moca (PR-CRP-000670)
Location: State Road PR-123, Moca, PR 00676. (18.392737, -67.111227)
Source: Google Earth
Website: https://www.google.com/maps
Author: Tetra Tech Inc.

N

Appendix B

Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of February 29, 2024

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m^3) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:
PUERTO RICO GO

Important Notes

Download National Dataset: dbf | xls | Data dictionary (PDF)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	11 12 13 14 15 16 17 18 19 20 21 22 23 24	/ /		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23 24	/ /		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23 24	/ /		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23 24	/ /		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	18 19 20 21 22 23 24	/ /		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23 24	/ /		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23 24	/ /		Part	52,441	72/137

Important Notes

Appendix C

Field Visit Checklist & Site Evaluation

Project Name:	PR-CRP-000670 named Multi-use Center			Latitude:		18.393093	
First Name:	Autonomous	Last Name:	Municipality of Moca	Longitude:		-67.110443	
Street Address:	State Road PR-123			Apt/Suite:			
City:	Moca			State:	PR	Zip:	00676
Date of Visit:	June 7, 2023		Field Visit Conducted By:		Javier Vélez Arocho		

EXISTING ENVIRONMENTAL CONDITIONS ON & AROUND SITE

Levee/Flood Control Structures (Levees, T-walls, pumping stations, etc.)

	Site Specific	Area
Observations	The proposed project consists of approximately 14,995 square feet of new construction will impact the surface as follows: 90% concrete and 10% landscaping.	14,995 square feet

Toxic Chemicals & Radioactive Materials

Petroleum or Chemical Storage

	Site Specific	Area
Is there any evidence or indication of an underground storage tank (UST) may be located on site?	There are no indications of underground storage tanks (UST).	Area looks clean
If yes, are they in use?	N/A	N/A
Are there any out-of-service underground fuel tanks?	N/A	N/A
Is there any evidence that any AST on the property are leaking?	N/A	N/A

Polychlorinated Biphenyls (PCB):

	Site Specific	Area
Is there any evidence or indication of leaking electrical equipment (transformer - ground or pole mounted, capacitor, or hydraulic equipment) present on site?	There are no indication or evidence of leaking electrical equipment like transformers or capacitors. No hydraulic equipment present.	N/A

Hazardous Operations

	Site Specific	Area
Is there any evidence of manufacturing operations utilizing or producing hazardous substances at or in close proximity to the site?	There are no evidence of manufacturing operation onsite or nearby.	N/A
Is there any evidence or indication that past operations located on or in close proximity to the property used hazardous substances or radiological materials that may have been released into the environment?	There are no indication of past operations onsite or nearby.	N/A

Notes/Observations:

The proposed project is not expected to cause any water quality problems at or around the construction site. Construction activities must implement the best management practices and will not imply discharges or sewage effluents to surface water bodies. During operation, stormwater will be directed to the existing gradient without impacting surface waters. Construction activities will be carried out in an urbanized area of the municipality. Currently, the site consists of open channels and open ground since the site was previously developed, it has been deprived of its original state. Therefore, unique natural features are not expected to be affected or impact the proposed project.

Photograph 1

Photograph 2

Detailed Facility Report

Facility Summary

MOCA SS 2461

CALLE BALDORIOTY Y BARBOSA, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110007817924

EPA Region: 02

Latitude: 18.395604

Longitude: -67.117345

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
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): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000003905)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Safe Drinking Water Act (SDWA): No Information

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

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007817924					N	18.395604	-67.117345
RCRAInfo	RCRA	PRR000003905	Other	Inactive ( )			N	18.395604	-67.117345

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007817924	MOCA SS 2461	CALLE BALDORIOTY Y BARBOSA, MOCA, PR 00676	Moca Municipio
RCRAInfo	RCRA	PRR000003905	MOCA SS 2461	CALLE BALDORIOTY Y BARBOSA, MOCA, PR 00676	Moca Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

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
RCRA	PRR000003905	No	05/18/2024	0	05/17/2024

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+
RCRA (Source ID: PRR000003905)			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
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

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)

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

Supplemental/EJ index percentiles >= 90 (Census block group)

Supplemental/EJ index percentiles >= 90 (1-mile average)

EJScreen Indexes Shown

Index Type: Supplemental (default)

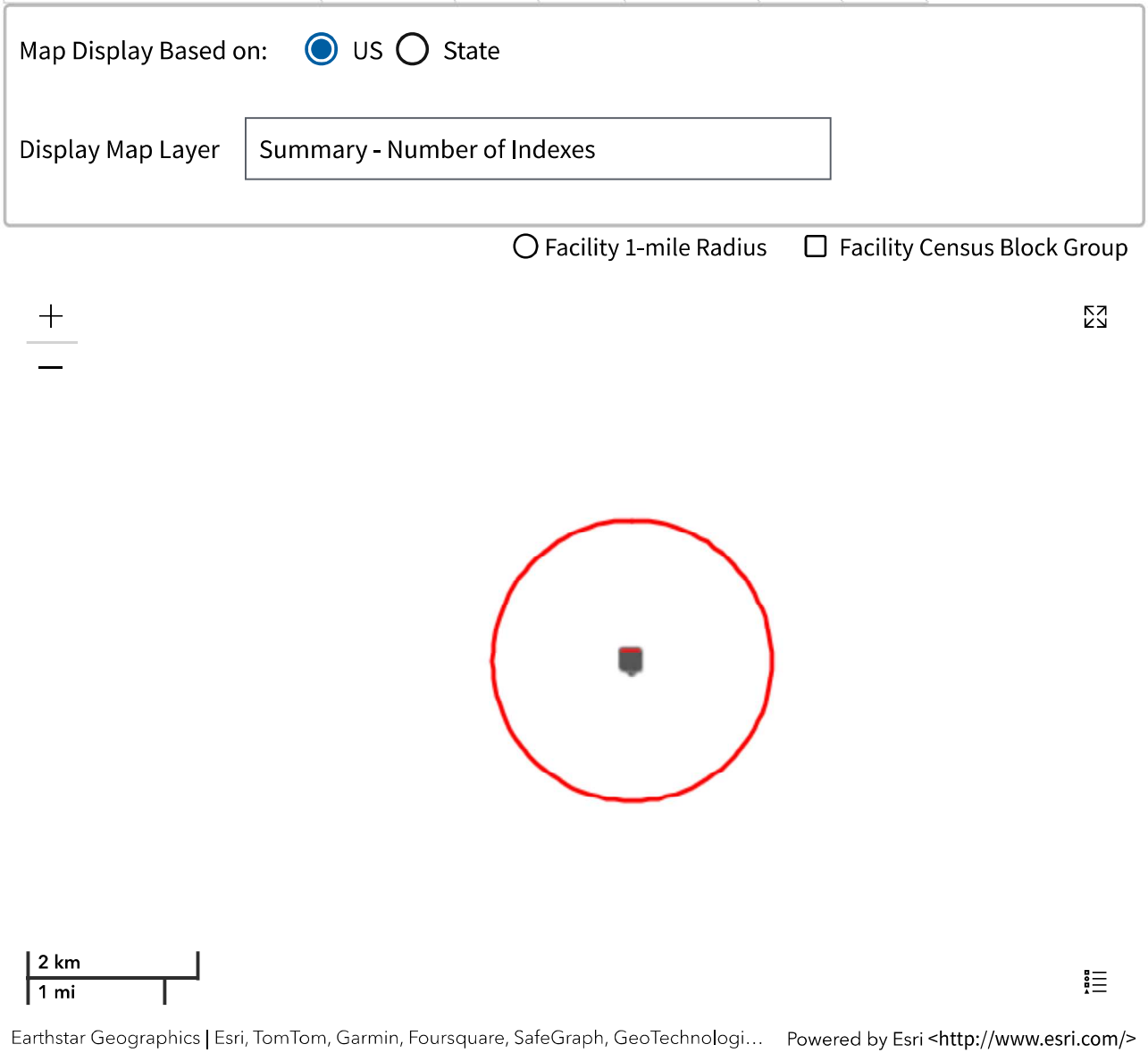
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720994202002	US (Percentile)			State (Percentile)		
Supplemental Indexes	**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	**5**	**5**	**6**	**1**	**1**	**3**
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	5	4	8	57	44	57
Air Toxics Cancer Risk	54	53	55	85	57	! 90
Air Toxics Respiratory Hazard Index	38	35	40	84	58	! 90
Toxic Releases to Air	! 99	! 99	! 99	! 98	! 92	! 99
Traffic Proximity	! 99	! 94	! 99	86	55	86
Lead Paint	! 94	82	! 94	70	45	70
Risk Management Plan (RMP) Facility Proximity	! 97	! 93	! 99	65	53	78
Hazardous Waste Proximity	72	65	79	16	13	28

Census Block Group ID: 720994202002	US (Percentile)			State (Percentile)		
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Superfund Proximity	88	83	89	3	3	6
Underground Storage Tanks (UST)	0	! 91	! 96	0	68	81
Wastewater Discharge	! 99	! 99	! 99	80	71	82



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	6,854
Population Density	2,209/sq.mi.
Housing Units in Area	3,071

General Statistics (ACS (American Community Survey))	
Total Persons	6,362
Percent People of Color	100%
Households in Area	2,443
Households on Public Assistance	118
Persons With Low Income	4,491
Percent With Low Income	71%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.395604
Center Longitude	-67.117345
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,037 (42.45%)
$15,000 - $25,000	374 (15.31%)
$25,000 - $50,000	625 (25.58%)
$50,000 - $75,000	269 (11.01%)
Greater than $75,000	138 (5.65%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	378 (6%)
Minors 17 years and younger	1,643 (24%)
Adults 18 years and older	5,211 (76%)
Seniors 65 years and older	1,189 (17%)

Race Breakdown (U.S. Census) - Persons (%)	
White	6,106 (89%)
African-American	364 (5%)
Hispanic-Origin	6,812 (99%)
Asian/Pacific Islander	11 (0%)
American Indian	8 (0%)
Other/Multiracial	364 (5%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	684 (14.45%)
9th through 12th Grade	293 (6.19%)
High School Diploma	1,381 (29.17%)
Some College/2-year	648 (13.69%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,205 (25.45%)

Detailed Facility Report

Facility Summary

PR PUBLIC HOUSING RES JOSE N GANDARA

192 CALLE BLANCA E CHICO, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110006537783

EPA Region: 02

Latitude: 18.39429

Longitude: -67.113605

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
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): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000013680)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Safe Drinking Water Act (SDWA): No Information

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

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110006537783					N	18.39429	-67.113605
RCRAInfo	RCRA	PRR000013680	Other	Inactive ( )			N	18.392639	-67.113569

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110006537783	PR PUBLIC HOUSING RES JOSE N GANDARA	192 CALLE BLANCA E CHICO, MOCA, PR 00676	Moca Municipio
RCRAInfo	RCRA	PRR000013680	PR PUBLIC HOUSING RES JOSE N GANDARA	192 CALLE BLANCA E CHICO, MOCA, PR 00676	Moca Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

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
RCRA	PRR000013680	No	05/18/2024	0	05/17/2024

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+
RCRA (Source ID: PRR000013680)			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
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

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)

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

Supplemental/EJ index percentiles >= 90 (Census block group)

Supplemental/EJ index percentiles >= 90 (1-mile average)

EJScreen Indexes Shown

Index Type: Supplemental (default)

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720994202003	US (Percentile)			State (Percentile)		
Supplemental Indexes	**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	**4**	**5**	**6**	**0**	**1**	**3**
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	4	4	7	40	44	57
Air Toxics Cancer Risk	52	35	55	45	0	! 90
Air Toxics Respiratory Hazard Index	33	35	40	46	58	! 90
Toxic Releases to Air	! 99	! 99	! 99	86	! 92	! 99
Traffic Proximity	! 95	! 94	! 99	59	54	86
Lead Paint	0	81	! 94	0	45	70
Risk Management Plan (RMP) Facility Proximity	88	! 93	! 98	41	52	69
Hazardous Waste Proximity	60	65	78	10	13	24

Census Block Group ID: 720994202003	US (Percentile)			State (Percentile)		
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Superfund Proximity	80	83	88	4	3	4
Underground Storage Tanks (UST)	! 92	! 91	! 96	71	68	81
Wastewater Discharge	! 99	! 99	! 99	66	71	82

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	7,000
Population Density	2,262/sq.mi.
Housing Units in Area	3,131

General Statistics (ACS (American Community Survey))	
Total Persons	6,688
Percent People of Color	100%
Households in Area	2,539
Households on Public Assistance	134
Persons With Low Income	4,730
Percent With Low Income	71%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.39429
Center Longitude	-67.113605
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,043 (41.1%)
$15,000 - $25,000	412 (16.23%)
$25,000 - $50,000	653 (25.73%)
$50,000 - $75,000	267 (10.52%)
Greater than $75,000	163 (6.42%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	389 (6%)
Minors 17 years and younger	1,681 (24%)
Adults 18 years and older	5,319 (76%)
Seniors 65 years and older	1,188 (17%)

Race Breakdown (U.S. Census) - Persons (%)	
White	6,311 (90%)
African-American	343 (5%)
Hispanic-Origin	6,960 (99%)
Asian/Pacific Islander	11 (0%)
American Indian	9 (0%)
Other/Multiracial	326 (5%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	665 (13.57%)
9th through 12th Grade	300 (6.12%)
High School Diploma	1,363 (27.82%)
Some College/2-year	709 (14.47%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,370 (27.96%)

Detailed Facility Report

Facility Summary

LIFESTYLE FOOTWEAR INC

PR-125 KM 3.8 INDUSTRIAL PK, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110007822570

EPA Region: 02

Latitude: 18.392427

Longitude: -67.105932

Locational Data Source: RCRAINFO

Industries: Leather and Allied Product Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	03/25/2015
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): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000012096)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Safe Drinking Water Act (SDWA): No Information

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

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007822570					N	18.392427	-67.105932
RCRAInfo	RCRA	PRR000012096	VSQG	Active (H)			N	18.392427	-67.105932

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007822570	LIFESTYLE FOOTWEAR INC	PR-125 KM 3.8 INDUSTRIAL PK, MOCA, PR 00676	Moca Municipio
RCRAInfo	RCRA	PRR000012096	LIFESTYLE FOOTWEAR INC	ROAD 125 KM 3.8 INDUSTRIAL PK, MOCA, PR 00676	Moca Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000012096	31621	Footwear Manufacturing

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

RCRA (Hazardous Waste (Resource Conservation and Recovery Act) Compliance Pipeline (Compliance Monitoring >> Violations >> Enforcement Actions) (10 Years)

This table shows how violations relate to compliance monitoring (CM) activities and enforcement. Currently available for RCRA only. Full CM history available below.

Compliance Monitoring				Violations				Enforcement Actions			
Source ID	Compliance Monitoring Type	Compliance Monitoring Agency	Compliance Monitoring Date	Violation Type	Violation Agency	Violation Determined Date	Return to Compliance Date	Enforcement Type	Enforcement Action Date	Penalty Assessed	Comp Action Cost
PRR000012096	Compliance Evaluation Inspection	State	03/25/2015	262.C: Generators - Pre-transport	PR	05/04/2015	10/09/2015	Initial 3008(A) Compliance	10/09/2015	--	--
				262.C: Generators - Pre-transport	PR	05/04/2015	10/09/2015				
				262.C: Generators - Pre-transport	PR	05/04/2015	10/09/2015	Final 3008(A) Compliance Order	10/09/2015	$17,000	--
				262.C: Generators - Pre-transport	PR	05/04/2015	10/09/2015		05/15/2015	--	--
				265.I: TSD IS-Container Use and Management	PR	05/04/2015	10/09/2015	Written Informal			
				265.I: TSD IS-Container Use and Management	PR	05/04/2015	10/09/2015				

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

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
RCRA	PRR000012096	No	05/18/2024	0	05/17/2024

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+
RCRA (Source ID: PRR000012096)			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
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

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)

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

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 2/17/2024)

Source ID	Waste Description	2021	2022	2023	2024
PRR000012096	Hazardous Waste	1,197	2,314	1,984	--
PRR000012096	Acute Hazardous Waste	0	0	0	--
PRR000012096	Pharmaceutical Hazardous Waste	0	0	0	--

“Pharmaceutical Hazardous Waste” refers to quantities managed under 40 CFR part 266 subpart P and thus excluded from the Hazardous and Acute Hazardous Waste quantities shown above.

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

Supplemental/EJ index percentiles >= 90 (Census block group)

Supplemental/EJ index percentiles >= 90 (1-mile average)

EJScreen Indexes Shown

Index Type: Supplemental (default)

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720994202003	US (Percentile)			State (Percentile)		
Supplemental Indexes	**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	**4**	**4**	**6**	**0**	**1**	**3**
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	4	4	5	40	43	57
Air Toxics Cancer Risk	52	35	55	45	0	! 90
Air Toxics Respiratory Hazard Index	33	35	40	46	60	! 90
Toxic Releases to Air	! 99	! 99	! 99	86	! 92	! 99
Traffic Proximity	! 95	! 95	! 99	59	57	86
Lead Paint	0	80	! 94	0	43	72
Risk Management Plan (RMP) Facility Proximity	88	! 92	! 98	41	50	69

Census Block Group ID: 720994202003	US (Percentile)			State (Percentile)		
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Hazardous Waste Proximity	60	65	78	10	13	24
Superfund Proximity	80	83	88	4	3	4
Underground Storage Tanks (UST)	! 92	89	! 97	71	66	85
Wastewater Discharge	! 99	! 99	! 99	66	71	82

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	6,911
Population Density	2,234/sq.mi.
Housing Units in Area	3,106

General Statistics (ACS (American Community Survey))	
Total Persons	6,151
Percent People of Color	100%
Households in Area	2,289
Households on Public Assistance	125
Persons With Low Income	4,395
Percent With Low Income	72%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.392427
Center Longitude	-67.105932
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	852 (37.22%)
$15,000 - $25,000	418 (18.26%)
$25,000 - $50,000	618 (27%)
$50,000 - $75,000	210 (9.17%)
Greater than $75,000	191 (8.34%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	383 (6%)
Minors 17 years and younger	1,594 (23%)
Adults 18 years and older	5,317 (77%)
Seniors 65 years and older	1,180 (17%)

Race Breakdown (U.S. Census) - Persons (%)	
White	6,266 (91%)
African-American	310 (4%)
Hispanic-Origin	6,876 (99%)
Asian/Pacific Islander	11 (0%)
American Indian	9 (0%)
Other/Multiracial	315 (5%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	586 (13.38%)
9th through 12th Grade	269 (6.14%)
High School Diploma	1,045 (23.86%)
Some College/2-year	750 (17.12%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,402 (32.01%)

Detailed Facility Report

Facility Summary

MOCA STP

STATE RD 110 KM 11.8, MOCA, PR 00716

FRS (Facility Registry Service) ID: 110007804402

EPA Region: 02

Latitude: 18.387843

Longitude: -67.109709

Locational Data Source: RCRAINFO

Industries: Utilities

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
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): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD000689828)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Safe Drinking Water Act (SDWA): No Information

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

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007804402					N	18.387843	-67.109709
RCRAInfo	RCRA	PRD000689828	Other	Inactive ( )			N	18.387843	-67.109709

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007804402	MOCA STP	STATE RD 110 KM 11.8, MOCA, PR 00716	Moca Municipio
RCRAInfo	RCRA	PRD000689828	MOCA STP	STATE RD 110 KM 11.8, MOCA, PR 00716	Moca Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRD000689828	22132	Sewage Treatment Facilities

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

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
RCRA	PRD000689828	No	05/18/2024	0	05/17/2024

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+
RCRA (Source ID: PRD000689828)			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
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

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)

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

Supplemental/EJ index percentiles >= 90 (Census block group)

Supplemental/EJ index percentiles >= 90 (1-mile average)

EJScreen Indexes Shown

Index Type: Supplemental (default)

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720994202003	US (Percentile)			State (Percentile)		
Supplemental Indexes	**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	**4**	**5**	**6**	**0**	**1**	**1**
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	4	4	5	40	45	57
Air Toxics Cancer Risk	52	35	54	45	0	85
Air Toxics Respiratory Hazard Index	33	35	38	46	61	84
Toxic Releases to Air	! 99	! 99	! 99	86	! 93	! 98
Traffic Proximity	! 95	! 95	! 99	59	57	86
Lead Paint	0	81	! 94	0	45	72
Risk Management Plan (RMP) Facility Proximity	88	! 92	! 97	41	50	65
Hazardous Waste Proximity	60	65	79	10	13	28

Census Block Group ID: 720994202003	US (Percentile)			State (Percentile)		
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Superfund Proximity	80	83	89	4	4	6
Underground Storage Tanks (UST)	! 92	! 92	! 97	71	70	85
Wastewater Discharge	! 99	! 99	! 99	66	74	82

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	6,939
Population Density	2,220/sq.mi.
Housing Units in Area	3,121

General Statistics (ACS (American Community Survey))	
Total Persons	6,498
Percent People of Color	100%
Households in Area	2,407
Households on Public Assistance	127
Persons With Low Income	4,778
Percent With Low Income	74%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.387843
Center Longitude	-67.109709
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	903 (37.52%)
$15,000 - $25,000	430 (17.86%)
$25,000 - $50,000	680 (28.25%)
$50,000 - $75,000	210 (8.72%)
Greater than $75,000	184 (7.64%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	409 (6%)
Minors 17 years and younger	1,685 (24%)
Adults 18 years and older	5,254 (76%)
Seniors 65 years and older	1,108 (16%)

Race Breakdown (U.S. Census) - Persons (%)	
White	6,301 (91%)
African-American	308 (4%)
Hispanic-Origin	6,897 (99%)
Asian/Pacific Islander	12 (0%)
American Indian	7 (0%)
Other/Multiracial	311 (4%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	589 (12.77%)
9th through 12th Grade	283 (6.13%)
High School Diploma	1,173 (25.43%)
Some College/2-year	751 (16.28%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,393 (30.2%)

Detailed Facility Report

Facility Summary

MOCA

CALLE CAAZAN LASAYE, FRENTE PLAZA PUBLICA, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110064630314

EPA Region: 02

Latitude: 18.396067

Longitude: -67.113161

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	03/26/2021
Compliance Status	Unknown
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): No Information

Clean Water Act (CWA): Non-Major, Permit Expired; Compliance Tracking Partially Off (PRR040025)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110064630314					N	18.396067	-67.113161
ICIS-NPDES	CWA	PRR040025	Non-Major: General Permit Covered Facility	Expired; Compliance Tracking Partially Off	Urban Stormwater (Small MS4)	06/30/2021	N	18.396067	-67.113161

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110064630314	MOCA	CALLE CAAZAN LASAYE, FRENTE PLAZA PUBLICA, MOCA, PR 00676	
ICIS-NPDES	CWA	PRR040025	MOCA	CALLE CAAZAN LASAYE, FRENTE PLAZA PUBLICA, MOCA, PR 00676	Moca Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CWA	PRR040025	ICIS-NPDES	Offsite Record Review	Urban Stormwater (MS4) - Desk Audit	EPA	03/26/2021	

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
CWA	PRR040025	No	12/31/2023	0	05/17/2024

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
CWA (Source ID: PRR040025)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
	Quarterly Noncompliance Report History	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

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?
210100030111	Rio Culebrinas at mouth	--	No	No	--	No

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRWR95A	RIO CULEBRINAS	Impaired - 303(d) Listed - With Restoration Plan	METALS (OTHER THAN MERCURY) | NUTRIENTS | PATHOGENS | PESTICIDES | TURBIDITY	Not Supporting	Not Supporting	--	Not Supporting	--

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground 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

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

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

Supplemental/EJ index percentiles >= 90 (Census block group)

Supplemental/EJ index percentiles >= 90 (1-mile average)

EJScreen Indexes Shown

Index Type: Supplemental (default)

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720994202002	US (Percentile)			State (Percentile)		
Supplemental Indexes	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	**5**	**5**	**6**	**1**	**1**	**3**
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	5	4	7	57	43	57
Air Toxics Cancer Risk	54	52	55	85	56	! 90
Air Toxics Respiratory Hazard Index	38	35	40	84	57	! 90
Toxic Releases to Air	! 99	! 99	! 99	! 98	! 92	! 99
Traffic Proximity	! 99	! 94	! 99	86	54	86

Census Block Group ID: 720994202002	US (Percentile)			State (Percentile)		
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Lead Paint	! 94	79	! 94	70	43	70
Risk Management Plan (RMP) Facility Proximity	! 97	! 93	! 98	65	52	69
Hazardous Waste Proximity	72	64	78	16	13	24
Superfund Proximity	88	82	88	3	3	4
Underground Storage Tanks (UST)	0	! 90	! 96	0	67	81
Wastewater Discharge	! 99	! 99	! 99	80	70	82

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	6,765
Population Density	2,054/sq.mi.
Housing Units in Area	3,037

General Statistics (ACS (American Community Survey))	
Total Persons	6,212
Percent People of Color	100%
Households in Area	2,375
Households on Public Assistance	123
Persons With Low Income	4,357
Percent With Low Income	70%

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	370 (5%)
Minors 17 years and younger	1,605 (24%)
Adults 18 years and older	5,160 (76%)
Seniors 65 years and older	1,183 (17%)

Race Breakdown (U.S. Census) - Persons (%)	
White	6,088 (90%)
African-American	330 (5%)
Hispanic-Origin	6,727 (99%)
Asian/Pacific Islander	12 (0%)
American Indian	10 (0%)
Other/Multiracial	327 (5%)

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.396067
Center Longitude	-67.113161
Land Area	100%
Water Area	0%

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	638 (13.97%)
9th through 12th Grade	282 (6.17%)
High School Diploma	1,271 (27.83%)
Some College/2-year	660 (14.45%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,267 (27.74%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	983 (41.35%)
$15,000 - $25,000	382 (16.07%)
$25,000 - $50,000	602 (25.33%)
$50,000 - $75,000	255 (10.73%)
Greater than $75,000	155 (6.52%)

Detailed Facility Report

Facility Summary

INFORMATION MAGNETICS CARIBE INC

PR-125 KM 1.0, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110002466554

EPA Region: 02

Latitude: 18.393504

Longitude: -67.118972

Locational Data Source: TRIS

Industries: Computer and Electronic Product Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	11/24/1992
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): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD091144469)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00716NFRMTROAD1

Safe Drinking Water Act (SDWA): No Information

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

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110002466554					N	18.393504	-67.118972
TRI	EP313	00716NFRMTROAD1	Toxics Release Inventory	Last Reported for 1989			N	18.393504	-67.118972
RCRAInfo	RCRA	PRD091144469	Other	Inactive ( )			N	18.398281	-67.131337

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110002466554	INFORMATION MAGNETICS CARIBE INC	PR-125 KM 1.0, MOCA, PR 00676	Moca Municipio
TRI	EP313	00716NFRMTROAD1	INFORMATION MAGNETICS CARIBE INC	RD 125 KM 10, MOCA, PR 00718	Moca Municipio
RCRAInfo	RCRA	PRD091144469	INFORMATION MAGNETICS CARIBE INC	RD 125 KM 1.0, MOCA, PR 00716	Moca Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00716NFRMTROAD1	334112	Computer Storage Device Manufacturing
RCRAInfo	PRD091144469	334613	Blank Magnetic and Optical Recording Media Manufacturing

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

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
RCRA	PRD091144469	No	05/18/2024	0	05/17/2024

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+
RCRA (Source ID: PRD091144469)		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
	Violation Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

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)

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

Supplemental/EJ index percentiles >= 90 (Census block group)

Supplemental/EJ index percentiles >= 90 (1-mile average)

EJScreen Indexes Shown

Index Type: Supplemental (default)

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720994202004	US (Percentile)			State (Percentile)		
Supplemental Indexes	**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	**6**	**5**	**6**	**1**	**1**	**3**
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	5	4	9	50	45	60
Air Toxics Cancer Risk	53	35	55	71	0	! 90
Air Toxics Respiratory Hazard Index	36	35	40	71	60	! 90
Toxic Releases to Air	! 99	! 99	! 99	! 96	! 92	! 99

Census Block Group ID: 720994202004	US (Percentile)			State (Percentile)		
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Traffic Proximity	! 92	! 94	! 99	51	56	86
Lead Paint	! 91	83	! 94	60	47	70
Risk Management Plan (RMP) Facility Proximity	! 95	! 93	! 98	58	54	69
Hazardous Waste Proximity	68	65	79	15	13	28
Superfund Proximity	86	83	89	4	4	6
Underground Storage Tanks (UST)	! 96	! 91	! 96	81	69	81
Wastewater Discharge	! 99	! 99	! 99	81	73	82

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	7,089
Population Density	2,265/sq.mi.
Housing Units in Area	3,172

General Statistics (ACS (American Community Survey))	
Total Persons	6,672
Percent People of Color	100%
Households in Area	2,545
Households on Public Assistance	122
Persons With Low Income	4,760
Percent With Low Income	71%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.393504
Center Longitude	-67.118972
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,075 (42.26%)
$15,000 - $25,000	393 (15.45%)
$25,000 - $50,000	664 (26.1%)
$50,000 - $75,000	275 (10.81%)
Greater than $75,000	137 (5.39%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	410 (6%)
Minors 17 years and younger	1,722 (24%)
Adults 18 years and older	5,367 (76%)
Seniors 65 years and older	1,183 (17%)

Race Breakdown (U.S. Census) - Persons (%)	
White	6,323 (89%)
African-American	375 (5%)
Hispanic-Origin	7,044 (99%)
Asian/Pacific Islander	12 (0%)
American Indian	8 (0%)
Other/Multiracial	371 (5%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	706 (14.25%)
9th through 12th Grade	307 (6.2%)
High School Diploma	1,452 (29.3%)
Some College/2-year	673 (13.58%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,249 (25.21%)

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	800
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	

Calculate Acceptable Separation Distance

Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	252.02
ASD for Thermal Radiation for Buildings (ASDBPU)	45.35
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

Memorandum to File

Date: October 3, 2024

From: Clifford Jarman
Senior Environmental Scientist
CDBG-DR Program
City Revitalization Program
Puerto Rico Department of Housing

Application Number: PR-CRP-000670
Project: Multi-Use Center Autonomous Municipality of Moca

Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number PR-CRP-000670 under the City Revitalization 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 reason[s]:

- 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.

Radon
Attachments

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

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.

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 Povetko, Povetko.Oleg@epa.gov
Mr. Matthew Laurita, laurita.matthew@epa.gov

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

Via email: silvina.cancelos@upr.edu

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

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

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

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Dr. Jessica Irizarry
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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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

Vía email: anais.rodriguez@drna.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.

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

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, secretariaaire@drna.pr.gov
Eng. Amarilys Rosario, aire@drna.pr.gov
Mrs. Elid Ortega, eortega@drna.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: drcarlos.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.

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc:
Mr. Raúl Hernández Doble, rhernandez2@salud.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: hsweyers@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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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); Rzeszotarski, 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- Randon 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 - Mayagüez

EPA REGION 2
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION

September 23, 2024

VIA EMAIL

William O. Rodríguez Rodríguez, 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 Rodríguez Rodríguez:

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 165 GUAYNABO, PR 00968

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

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

Carmen R. Guerrero Pérez
Director

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: aarivera@vivienda.pr.gov
Cesar O. Rodriguez: cesarrodriguez@drna.pr.gov
Marita Rosa Olivares: maritzarosaolivares@drna.pr.gov

Appendix D

Transmittal Letter

March 6, 2024

Based on the information provided, we determined the project proposed qualifies for the blanket clearance letter. Nevertheless, if the project is modified this office should be contacted concerning the need for the initiation of consultation under section 7 of Endangered Species Act of 1973.

Reviewer DAMARIS ROMAN RUIZ Digitally signed by DAMARIS ROMAN RUIZ Date: 2024.03.08 10:44:12 -04'00'

ROBERT TAWES Digitally signed by ROBERT TAWES Date: 2024.03.10 17:21:41 -04'00'

Acting Caribbean ES Field Supervisor

Caribbean Ecological Services Field Office
U.S. Fish and Wildlife Service
P.O. Box 491
Boquerón, Puerto Rico 00622
Email: caribbean_es@fws.gov

RE: USFWS Endangered Species Act Certifications
City Revitalization Program
February 2024

We are submitting the following Self-Certifications for projects under the CDBG-DR City Revitalization Program. Attached are included the Self-Certifications that certify that the projects are in compliance and are not likely to adversely affect federally-listed species.

The following table includes the projects that are in compliance with the Blanket Clearance Letter for the Endangered Species act of 1973, as amended, and the Fish and Wildlife Coordination Act.

Project Number	Project Name
PR-CRP-000338	Mejoras a la Plaza de la Identidad
PR-CRP-000341	Remodelación Plaza Angel Mislán
PR-CRP-000521	Demolición y Construcción Plaza del Mercado
PR-CRP-000670	Centro Multiuso Distrito Moca
PR-CRP-000742	Plaza de Recreo
PR-CRP-000744	Centro de Desarrollo Artístico y Cultural de Sabana Grande
PR-CRP-000807 & PR-CRP-001111	Mejoras a Plaza Pública y Plaza del Mercado, Vieques
PR-CRP-000892	Lajas Activity Center
PR-CRP-000902	Elderly Service Center
PR-CRP-001011	Mejoras al Estacionamiento Público del Municipio de Naguabo

For more information, please contact the Permits and Environmental Compliance Division at environmentcdbg@vivienda.pr.gov or at (787)274.2527 ext. 4320.

Sincerely,

Permits and Environmental Compliance Division
Office of Disaster Recovery

Self-Certification

http://www.fws.gov/caribbean/ES/Index.html

Endangered Species Act Certification

The U.S. Fish and Wildlife Service, Caribbean Ecological Services Field Office developed a Blanket Clearance Letter in compliance with Endangered Species Act of 1973, as amended, and the Fish and Wildlife Coordination Act for federally funded projects.

The Service determined that projects in compliance with the following criteria are not likely to adversely affect federally listed species.

The Puerto Rico Department of Housing (PRDOH) certifies that the following project, ***Centro Multiuso Distrito Moca* (PR-CRP-000670),** consisting of the design and construction of a new two-story structure with an approximate area of 14, 995 square feet with parking area. It will include a ballroom-style hall with seating capacity of about 625 persons or 300 persons in banquet-style accommodations, the stage, and corridors, respectively. In addition to classrooms with mobile walls and the main activity room, other complementary spaces are the kitchen, dining room, storage area, administration office, and bathrooms on each level. The spaces will be adapted to various disciplines, such as music, art, dance, and other cultural activities. The halls will also be used for classes of various sports, and spaces for the exhibition of art crafts. During emergency events, the activity center will be used as operation center to provide services to citizens and, distribution of supplies and necessities. It will be a resilient structure with a water cistern, electric generator, or a renewable energy system. A small structure on sit will be demolished. The project is located at Mario Medina St and Don Chemary St, Moca, PR 00676; coordinates 18.392691, -67.111233; complies with:

Check	Project Criteria
☐	1. Street resurfacing.
☐	2. Construction of gutters and sidewalks along existing roads.
☐	3. Reconstruction or emergency repairs of existing buildings, facilities, and homes.

☐	4. Rehabilitation of existing occupied single-family homes, and buildings; provided that equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation and that the lighting associated to the new facilities is not visible directly or indirectly from a beach.
☒	5. Demolition of dilapidated single-family homes or buildings; provided that the demolition debris is disposed in certified receiving facilities; equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation.
☐	6. Rebuilding of demolished single-family homes or buildings, provided that the new construction is within the existing footprint of the previous structure and/or within pre- existing grassed or paved areas, and that the lighting associated to the new facilities are not visible directly or indirectly from a beach.
☐	7. Activities within existing Right of Ways (ROWs) of roads, bridges, and highways, when limited to actions that do not involve cutting native vegetation or mayor earth moving; and are not located within, or adjacent to, drainages, wetlands, or aquatic systems. These activities include the installation of potable water and sanitary pipelines.
☐	8. Improvements to existing recreational facilities, including the installation of roofs to existing basketball courts, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
☐	9. Construction of electric underground systems in existing towns and communities, provided that the property is not a wetland area and the lighting associated to the facilities are not visible directly or indirectly from the beach.
☒	10. Construction of facilities on vacant properties covered with grasses in urban areas, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.

☐	11. Construction of houses, buildings or acquiring lands in urban areas covered by grass for relocation of low-income families and/or facilities that have been affected by weather conditions.

Feb. 29, 2024

Date

Ángel G. López-Guzmán
Deputy Director
Permits and Environmental Compliance Division

Office of Disaster Recovery
Address: P.O. Box 21365 San Juan, PR 00928
Telephone and Ext: 787-274-2527 ext. 4320
Email: environmentcdbg@vivienda.pr.gov

Attachment 1

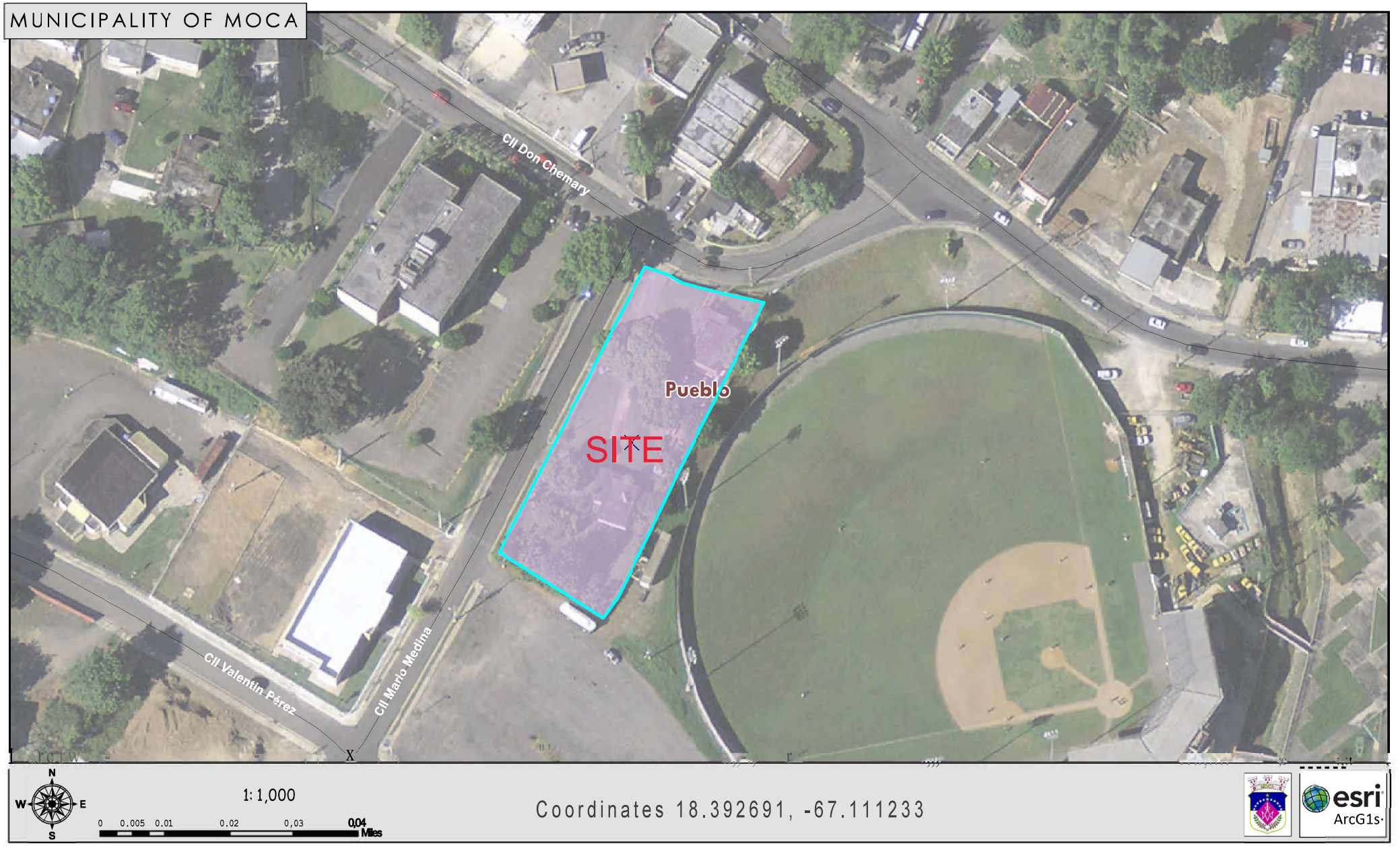
Location Map

Critical Habitat Map

Wetlands Map

Location Map

PR-CRP-000670 Centro Multiuso Distrito Moca

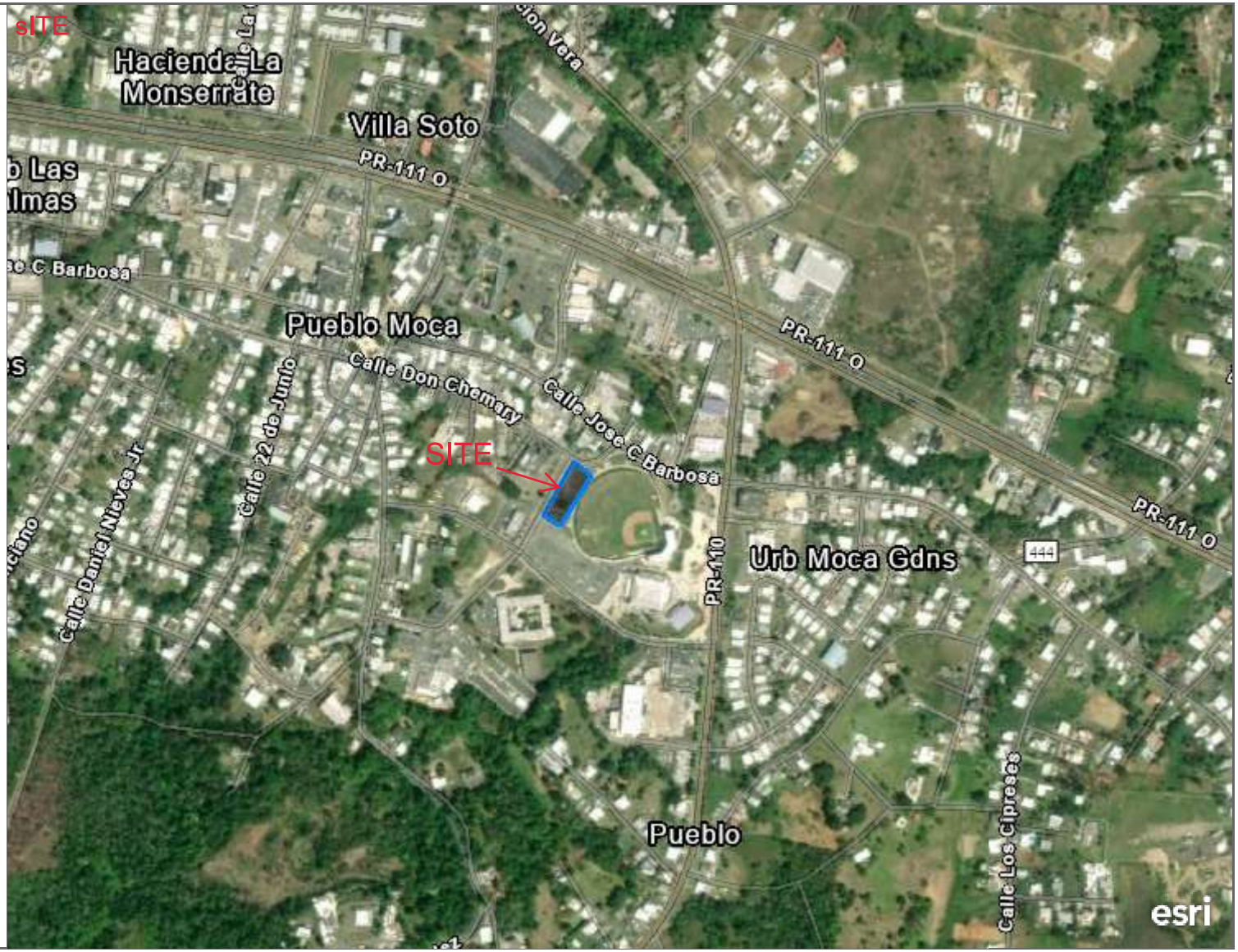


Final Polygon Features

Final Linear Features

Proposed Polygon Features

Proposed Linear Features



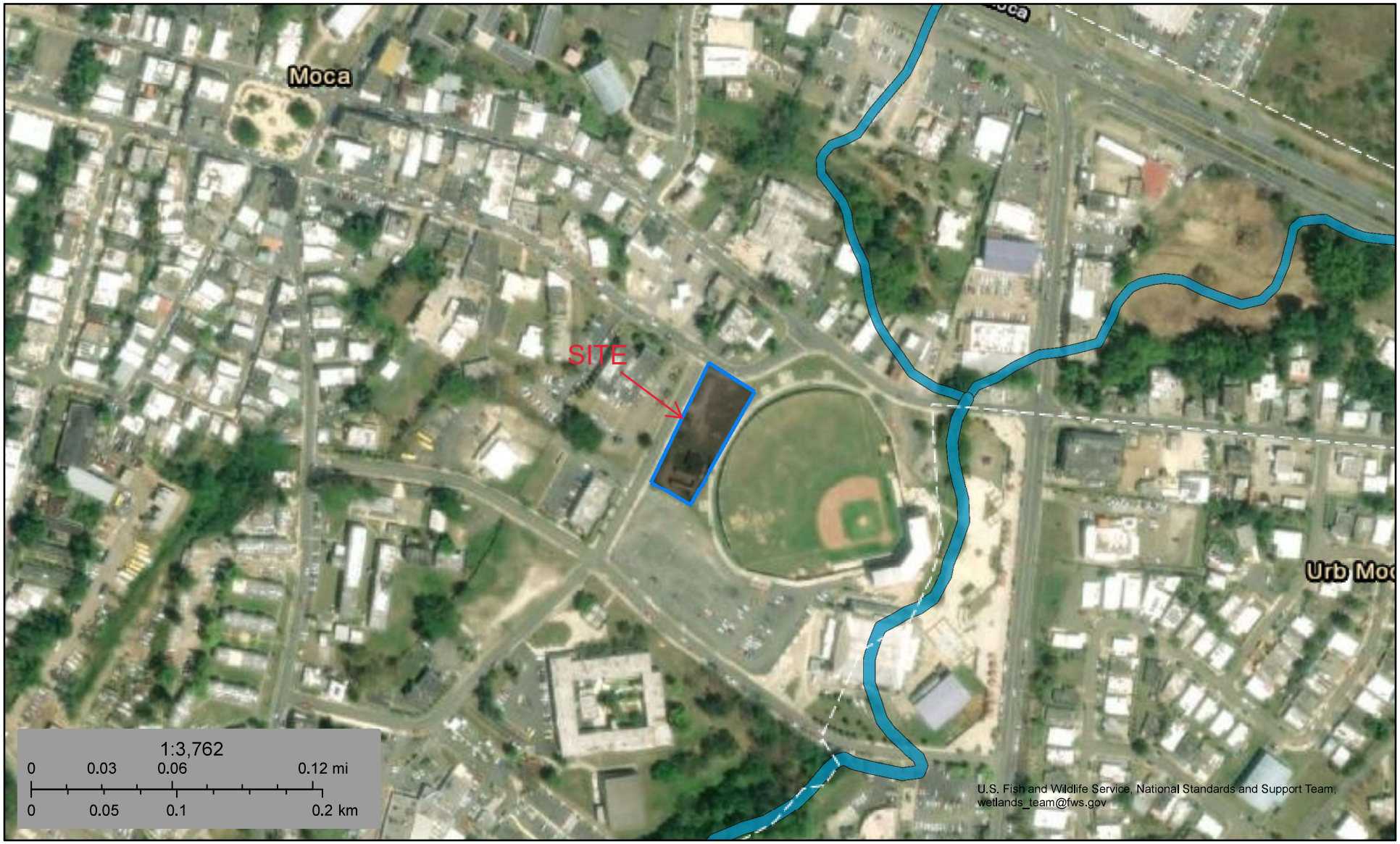
600ft

A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

Maxar | Esri Community Maps Contributors, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, NPS, US Census Bureau

U.S. Fish and Wildlife Service
National Wetlands Inventory

PR-CRP-000670
Centro Multiuso Distrito Moca



December 26, 2023

Wetlands

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Attachment 2

IPaC Report

United States Department of the Interior

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

In Reply Refer To: June 01, 2023
Project code: 2023-0088487
Project Name: PR-CRP-000670 named Multi-use Center Autonomous Municipality of Moca

Subject: Consistency letter for the project named 'PR-CRP-000670 named Multi-use Center Autonomous Municipality of Moca' 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 June 01, 2023, Javier Velez-Arocho used the Caribbean DKey; dated February 08, 2023, in the U.S. Fish and Wildlife Service's online IPaC application to evaluate potential impacts to federally listed species, from a project named 'PR-CRP-000670 named Multi-use Center Autonomous Municipality of Moca'. The project is located in Moca County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@18.39295085,-67.1111035476729,14z

The following description was provided for the project 'PR-CRP-000670 named Multi-use Center Autonomous Municipality of Moca':

> The municipality requests the design of a new two-story structure with an approximate area of 14,995 square feet with a parking area. Consider a place for a ballroom-style Activity Room that seats approximately 625 people. It is also requested to accommodate about 300 people in banquet-style accommodations. The additional spaces required for the building are the main hall, the stage, and the corridors, respectively. In addition to the classrooms with mobile walls and the activity room, other complementary spaces required are the kitchen, dining room, storage area, administration office, and bathrooms on each level. The new spaces will be adapted to various disciplines, such as music, art, dance, and other cultural activities. The halls will also be used for multiple sports classes and spaces for the exhibition of handicrafts. Due to the multi-functional nature of the spaces, it is considered that the rooms should have mobile walls. During times of emergency, the activity center will be used as a space for government agencies to provide services to citizens and as a location for the distribution of supplies and necessities. We propose constructing a resilient structure with a water tank, electric generator, or a renewable energy system that will continue to operate during an emergency and provide the necessary services to our citizens after the emergency.
> Landscaping and beautification around the new building will include the section of Mario Medina Street that runs along the west side of the proposed site and the section of Don Chemary Street to the north of the site. Accommodate parking lots and access areas in harmony with the new structure. Currently, there is a structure that will have to be demolished. The center of the project is located at the following coordinates, 18.393093°/-67.110443°.

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

Species	**Listing Status**	**Determination**
Puerto Rican Boa (*Chilabothrus inornatus*)	Endangered	No effect

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

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

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

Note: Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species**. If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean_es@fws.gov) to determine whether the consultation needs to be reinitiated.

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

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

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

1. Name

PR-CRP-000670 named Multi-use Center Autonomous Municipality of Moca

2. Description

The following description was provided for the project 'PR-CRP-000670 named Multi-use Center Autonomous Municipality of Moca':

> The municipality requests the design of a new two-story structure with an approximate area of 14,995 square feet with a parking area. Consider a place for a ballroom-style Activity Room that seats approximately 625 people. It is also requested to accommodate about 300 people in banquet-style accommodations. The additional spaces required for the building are the main hall, the stage, and the corridors, respectively. In addition to the classrooms with mobile walls and the activity room, other complementary spaces required are the kitchen, dining room, storage area, administration office, and bathrooms on each level. The new spaces will be adapted to various disciplines, such as music, art, dance, and other cultural activities. The halls will also be used for multiple sports classes and spaces for the exhibition of handicrafts. Due to the multi-functional nature of the spaces, it is considered that the rooms should have mobile walls. During times of emergency, the activity center will be used as a space for government agencies to provide services to citizens and as a location for the distribution of supplies and necessities. We propose constructing a resilient structure with a water tank, electric generator, or a renewable energy system that will continue to operate during an emergency and provide the necessary services to our citizens after the emergency.
> Landscaping and beautification around the new building will include the section of Mario Medina Street that runs along the west side of the proposed site and the section of Don Chemary Street to the north of the site. Accommodate parking lots and access areas in harmony with the new structure. Currently, there is a structure that will have to be demolished. The center of the project is located at the following coordinates, 18.393093°/-67.110443°.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@18.39295085,-67.1111035476729,14z


Moca
Urb Moca
Pueblo

QUALIFICATION INTERVIEW

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

   No

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

   Yes

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

   Automatically answered
   Yes

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Javier Velez-Arocho
Address: 100 Ave Los Patriotas Unit 457
City: Lares
State: PR
Zip: 00669-2634
Email javier@diatomenvironmental.com
Phone: 7874678887

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Moca County, Puerto Rico

Local office

Caribbean Ecological Services Field Office

(787) 834-1600
(787) 851-7440
CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS

Post Office Box 491
Boqueron, PR 00622-0491

PHYSICAL ADDRESS

Office Park I
State Road #2 Km 156.5, Suite 303}
Mayaguez, PR 00680

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. 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.

The following species are potentially affected by activities in this location:

Reptiles

NAME	STATUS
Puerto Rican Boa Chilabothrus inornatus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6628	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

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

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

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

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

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

1. The Migratory Birds Treaty Act of 1918.

2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The data in this location indicates there are no migratory birds of conservation concern expected to occur in this area.

There may be migratory birds in your project area, but we don���t have any survey data available to provide further direction. For additional information, please refer to the links above for recommendations to minimize impacts to migratory birds or contact your local FWS office.

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

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

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

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

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

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

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

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

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

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

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

What are the levels of concern for migratory birds?

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

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

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

Details about birds that are potentially affected by offshore projects

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

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

What if I have eagles on my list?

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

Proper Interpretation and Use of Your Migratory Bird Report

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

Facilities

National Wildlife Refuge lands

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 at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

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.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Attachment 3

Conservation Measures

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 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.

Adult PR boa – *Chilabothrus inornatus*
Photo: Puerto Rico by JP Zegarra

Last Revised: October 2023

The Puerto Rican 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 like roadsides or houses, especially if near their habitat in rural areas. This 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 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. The PR boa is considered more active at night. Thus, in order to maximize its detection, the species should be searched at nights prior to habitat disturbance.

5. Once the area has been searched for PR boas, vegetation should first be cleared by hand to the maximum extent possible. Vegetation should be cut about one meter above ground prior to the use of heavy machinery for land clearing. Cutting vegetation by hand will allow boas present on site to move away on their own to adjacent available habitat. Any stone walls or naturally occurring rock piles must be carefully dismantled by hand as these are refuges for the snake. This will allow any boas present to vacate the site without injury.

6. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

Last Revised: October 2023

7. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #6). **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 this 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.

8. If a PR boa is captured by the PRDNER, record the name of the PRDNER staff and information on where the PR boa will be taken. This information should be reported to the Service.

9. 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 #7). If not possible, the animal should be left alone until it leaves the vehicle on its own.

10. 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.

11. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #6). 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 that 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.

12. 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 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

Last Revised: October 2023

Appendix E

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	
Subrecipient: Municipio de Moca	
Project Name: Multiuse Center (CMDM)	**Project ID:** PR-CRP-000670

Project Location: Calle Mario Medina esquina Calle Don Chemary, Moca PR 00676	
Project Coordinates: 18.392737, -67.111227	
TPID (Número de Catastro)**:** 070-033-023-61-000 and 070-033-023-37-001	
Type of Undertaking: ☒ Substantial Repair ☐ New Construction	
Construction Date (AH est.): c1970	**Property Size** (acres)**:** 0.63 acres

SOI-Qualified Architect/Architectural Historian: Arch. Edmundo R. Colón Izquierdo, Maria F. Lopez Schmid, Revised
Date Reviewed: October 4,2023, 3/15/2023, 5/17/2024 revised
SOI-Qualified Archaeologist: Ivor Hernández Llanes/ Roberto G. Muñoz-Pando, PhD, Revised
Date Reviewed: October 4, 2023; 3/27/2024; 5/24/2024; 6/26/2024; 7/17/2024 Revised

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.

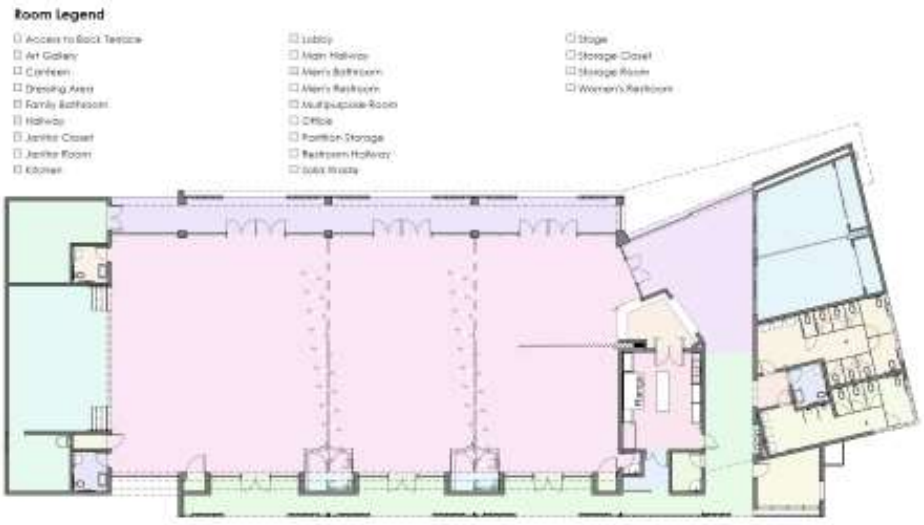
Project Description (Undertaking)

Moca's new Multiuse Center (CMDM) will become the municipality's new resilience and cultural hub. The project is a one story 11k square foot building that has a multipurpose hall, a kitchen and canteen, bathrooms, and a gallery. Additional to the building program, there is a power generator, an electrical substation, a cistern, and several parking spots on the site. This building is being demolished.

In times of emergency, the MDMC will be used as a Disaster Recovery Center that will host government agencies providing services to the community such as supplies distribution. The building will have emergency power generators as well as a water cistern that will permit the building to function during times of emergency.

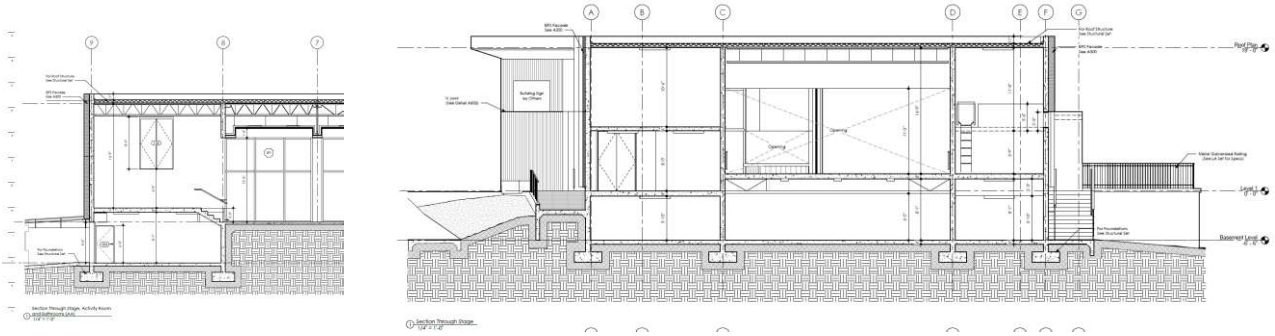
There is currently one extant c1970 building on site that serves as storage for municipal maintenance supplies and trucks (Photo 1). The area around this building is fenced in. Most of the site is used as informal parking areas (Photo 2). This site had been previously impacted with urban fill as part of the building process for the adjacent baseball park. This building will be demolished as part of the scope of work.

The main undertaking of this project is the building of the 10,970ft² multiuse center. A detailed room legend is provided here for reference.



Proposed Building Plan

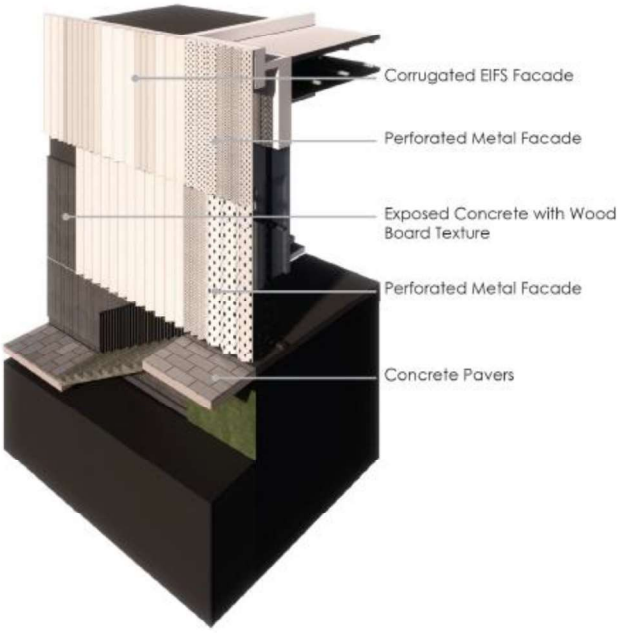
The site has an approximated 2.5-meter grade change in its long axis. Therefore, a partial basement is proposed on the south side of the building (shown below) to accommodate additional storage space, adding an additional 1630 ft². The ground disturbance for this excavation will be 58 feet long by 21 feet wide with a maximum of 5 feet below the existing grade.



Proposed Building sections showing basement.

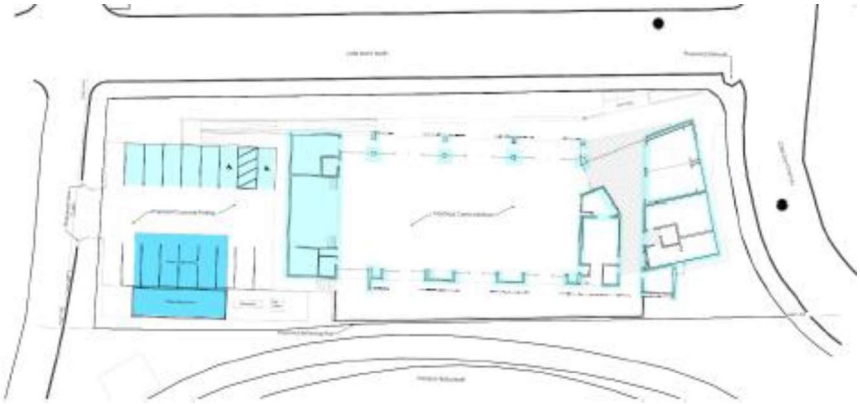
The building incorporates several sustainability measures. All exterior walls and roof are insulated to a minimum value of R30 using EPS or XPS insulation systems. Where the building façade is solid, a custom formed EIFS panel will provide both insulating and architectural

values. Where the building has glass openings, a custom perforated metal façade serves as both a shade cover and impact protection.



Wall Section Detail

Lastly, ground disturbances are several. The basement will be excavated 2' - 6" deep for the footings (shown below in light blue). Geotechnical studies revealed expansive soils that need to be improved as part of this project, these amended soils will be reused as fill. There will be excavations for footings, stormwater retention and a cistern. Footing and stormwater management excavations will be limited to 1.5 meters (5 feet) below the existing grade. The underground cistern will be located southeast of the side and the excavation will be about 50 feet by 40 feet with 10 feet in depth (shown below in dark blue).



Ground Floor Plan

A parking lot for about 14 vehicles including two for handicapped will be created on the south side of the lot. The cistern will be located under the parking lots on the southeast side of the lot as shown above in the ground floor plan.

Landscaping, hardscaping, and beautification are proposed for the site. Pavers will be added to the surrounding building area including a ramp on the west side of the lot. And planting areas will be along the west, north and south sides bordering the outside perimeter of the lot. Planting areas will include about 20 trees along the north and west of the site. The excavation for the trees will be about a foot deep.

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 2550.48m² (0.63acres) and the visual APE is the viewshed of the proposed project, which has been defined as the properties and streets surrounding the site, which have an approximate area of 61,600 square meters (15.2 acres).

The direct APE is comprised of two parcels with cadaster numbers 070-033-023-61-000 and 070-033-023-37-001. The two portions of the combined parcels have an approximate area of 2550.48m² (0.63acres).

The Visual APE has been defined as the streets directly adjacent to the property, Mario Medina St. and Don Chemary St., the adjacent municipal baseball park site, as well as the extension of these where the project will be visible from. Additionally, the open areas and buildings across the street where the project is visible from has been added.

The site is not within the boundaries of a Traditional Urban Center.

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 that the project area should not affect any archaeological resources.

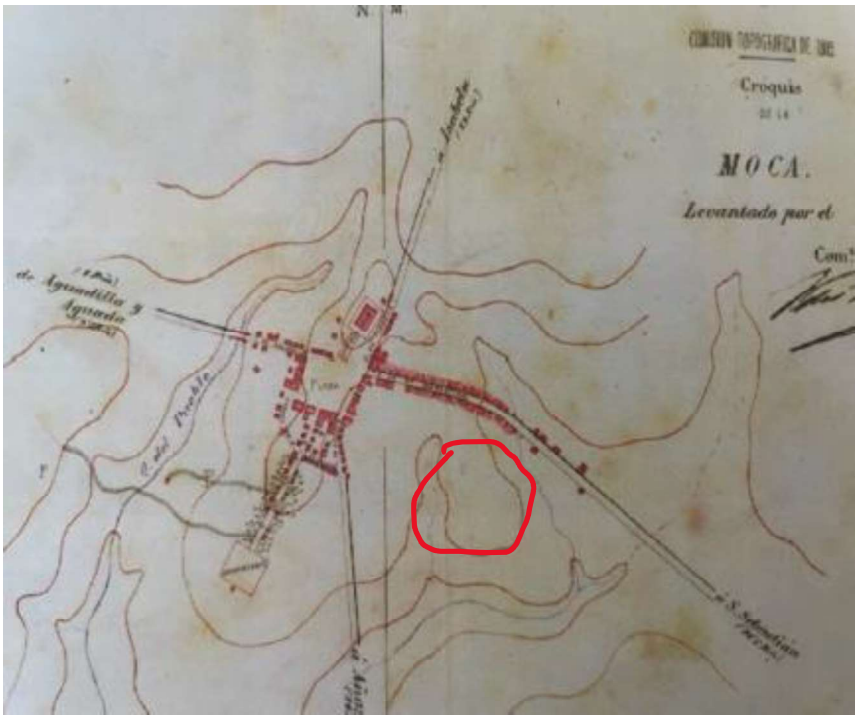
A review of the electronic files and paper files and site forms at the Puerto Rico State Historic Preservation Office (SHPO), and the electronic site map at the Division of Archaeology at the

Institute of Puerto Rican Culture (ICP) revealed that there are two historic properties with potential for in situ archaeological resources in the SHPO registry within a quarter-mile radius study area centered on the proposed project.

Moca Historical Notes

The history of the town of Moca begins with the original inhabitants of the place under the jurisdiction of the chiefdom of Aymamón, territory of Aymaco, although according to the historian Cayetano Coll y Toste, it follows that there were several chiefdoms in the region with their respective leaders to which this region could belong due to its relative proximity. (Coll y Toste 1907)

Under Spanish rule the town of Moca was founded on June 22, 1772 under the invocation of the Virgin of Monserrate, at the request of the neighbor José de Quiñones and "71 neighbors" asked Governor Miguel de Muesas for permission to found the town. The foundation of the town occurs at a time when a great demographic growth occurred on the island. According to the historian Fernando Picó towards the end of the eighteenth century, the population on the island had multiplied by six, not only by births but also by people from different regions of Europe and the Caribbean as a result of political changes. At this time most of the neighbors lived in the fields, there was a church, a jail, butcher, cemetery and eleven houses in the area of the playground with two shops that supplied food to the entire population. In 1775, Moca had 1,051 inhabitants, 121 farms planted with sugar cane, coffee, cotton and minor fruits. Half a century after the foundation there were 5,906 inhabitants (between different ethnicities and origins), and agricultural activity was on the rise, particularly the planting of Moca coffee was constituted with 12 neighborhoods: Pueblo, Aceitunas, Capá, Centro, Cerro Gordo, Cruz, Cuchillas, Marías, Naranjo, Plata, Rocha and Voladora. (Sociedad Cívico- Cultural Inc. Pro-Conmemoración del Bicentenario de Moca 1972) (Picó 1986).



Topographic Map of Moca, 1886. Ejército Español. Approximate APE marked in Red.

Moca received the nineteenth century with a series of natural phenomena that caused considerable damage that affected the economic and social development of the town. In 1807 Hurricane San Agapito hit, in 1816, with Hurricane Santa Prisca the Culebrinas River overflowed, in 1824 the hurricane La Monserrate destroyed all the banana plantations and in 1899 the disastrous hurricane San Ciriaco destroyed all the plantations of the coast. Despite the weather conditions and the damage caused, in 1845 there were eight coffee plantations in Moca, two that were dedicated to cultivation and 680 coffee farms. In 1860 the Irurena estate of the Labadie Succession was founded. It can be established that the economy of Moca, from the middle of the century was directed to the local market where coffee was exported through intermediaries and sugar cane was milled in nearby mills. In 1868 the superior government of the island requested a detailed report on the conditions of the town with a view to suppressing it, however, the members of the Municipal Board prevented it with solid arguments about the progress achieved. In 1876, Aguadilla requested the annexation of Moca, but this had no effect. (Sánchez Babilonia 1984)

On August 14, 1898, the United States Army took possession of Moca and as in all of Puerto Rico, the legal conditions changed. The municipal administration was reorganized and in 1902 the legislature approved the consolidation of 20 municipalities. Moca, after two previous

attempts, was annexed to Aguadilla. In 1905, Moca was again constituted as an independent municipality. From then on, there are changes of all kinds and of importance for the development of the town, including: the foundation of a music academy in 1908, work was done on an artesian well in the playground (although the activity had to be suspended because no water was found), the construction of the playground was completed in 1910, In 1919 the first telephone was installed, the first silent cinema named Loyalty in 1920, in 1928 the electric power was inaugurated and in 1967 the Cultural Center was inaugurated, among other events. (Sociedad Cívico- Cultural Inc. Pro-Conmemoración del Bicentenario de Moca 1972)

Aerial photo, 1939. The site was a cane plantation. Approximate APE marked in Red.

Details of 2023 and 1975 aerial imagery indicating the extant building on the property. Approximate APE marked in Red.

In 1972, the population of Moca had amounted to 22,361 inhabitants, a total enrollment of 7,003 students, four ecclesiastical institutions, three financial institutions, five organizations civic-cultural and 1963 commercial establishments, among other development projects. Today Moca, the "Capital of the World", as it is recognized, has a population of 39,697 inhabitants according to the 2000 Census and continues to consist of 13 neighborhoods.

The maps and aerial pictures with the marked APE demonstrate that the project area had no buildings until 1970. There are no structures in the APE in the 1886 topographic map drawn by the Spanish. The 1939 aerial photograph shows that the area was a cane plantation. The 1975 and 2023 aerial photographs some buildings can be seen. Their construction must have disturbed the ground where the APE is located.

Archaeological Data

Two historic properties with potential for in situ archaeological resources are located within 0.25 miles of the APE. "Iglesia Nuestra Señora de Monserrate" is located 0.23 miles northwest of the APE. Its SHPO ID # is MC0200005, its ICP ID # MA-14 and it is a 19th century one level religious structure from the Catholic Church. Its National Register of Historic Places (NRHP) status is pending. The other historic property is "Escuela Adolfo Babilonia Quiñones", SHPO ID # MC0200007 and ICP ID # MA-16. It is located 0.21 miles northwest of the APE. It was built in 1929 as a school for the town and its value is historic, infrastructure, and institutional. Its NRHP status is pending.

Most of the APE is located on Moca clay (MuD3) soil with 12 to 20 percent slopes and which is severely eroded, making the soil conditions far less than ideal for archaeological deposits to be found therein.

Five archaeological resource surveys have been conducted within a 0.25-mile radius of this APE. Two of these surveys yielded positive results for archaeological materials and three of them yielded negative results for archaeological materials.

The three archaeological resource surveys that yielded negative results for archaeological materials are the following. In 1992, Rossana Santos Emmanuelli authored a Phase IB survey titled: "Mejoras al Sistema de Suministro de Agua," 0.20 miles northwest of the APE at its closest point. Its results were negative and its Institute of Puerto Rican Culture number (IPRC #) is ICP/CAT-A6-92-02-04. In 1989, Miguel Rodríguez López conducted a Phase IA-IB archaeological research study titled "Mejoras y Reconstrucción a Escuela Elemental Urbana," its closest point to the APE being 0.17 miles northwest. Its results were negative and its IPRC # is ICP/CATMC-89-01-01. In 2004, Fernando Alvarado Muñoz wrote a Phase IA-IB survey titled "Construcción Sistema sanitario en los sectores villa soto, Ave. La Moca y Loperana," 0.13 miles northeast of the APE at its closest point. Its results were negative and its State Historic Preservation Office number (SHPO ID #) is 03-04-04-02.

The following two archaeological resource surveys yielded positive results to archaeological materials. In 1998, Norma Medina Carrillo made a Phase IA archaeological resource survey titled "Acueducto Regional del Noroeste, Informe Preliminar" with ICPR # ICP/CAT-IS-98-06-08. It went through several municipalities, with its closest point to the APE being at 0.23 miles north, and it had positive archaeological results in the south of the Municipality of Aguada. Hence, it was recommended that the construction avoided the sensitive areas. The other positive results were found in another survey, Phase IA-IB, performed in 1994 by Eduardo Questell Rodríguez titled "Alcantarillado Sanitario Moca, Comunidades Isleta, Voladoras y Lomas Verdes. Sub-Troncal Isleta, Voladoras y Lomas Verdes." Its closest point to the APE was 0.14 miles east. The author wrote that a possible lithics workplace site was discovered. Flakes, nucleus, blades, and hammers were found as well as the point of a petaloid ax and precolonial ceramic fragments. A Phase II survey was recommended, but we did not find paperwork on the Phase II on the agencies. The area of the survey by Eduardo Questell Rodríguez is across the river from a tributary from where the survey was conducted, and the topography and soils seem to be completely different as stated before. Therefore, based on the data available, the area were the potential precolonial lithics worksite were found is significantly different and distant from the project area, making the probability of finding intact and significant archaeological resources in the APE low.

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)- listed property, Traditional Urban Center, or Historic Zone. There are National Register listed properties inside the quarter mile buffer zone from the APE. The NRHP-eligible Traditional Urban Center of Moca, is located 0.19 miles to the northwest and is inside the quarter mile buffer zone from the APE. There are seven NRHP-eligible properties inside the quarter mile buffer zone from the APE. These NRHP-eligible properties are summarized below.

Unidad de Salud Pública, 0.12 miles northwest of the APE. Spanish Revival building constructed circa 1928. Located at 18.394493, -67.111426.

Estación de Bomberos, 0.14 miles southwest of the APE. Constructed ca. 1950 with second level addition on the front portion of the building. Located at 18.393416, -67.113440.

Casa Criolla en Calle Blanca E. Chico, Núm. 187, 0.19 miles northwest of the APE. Ca. 1950 Criollo wooden house with a side gable roof and full width balcony. Located at 18.394212, -67.113719.

Escuela Adolfo Babilonia Quiñones, 0.20 miles northwest of the APE. 18.395421, -67.112772.

Plaza José D. Quiñones, 0.22 miles northwest of the APE. Located at 18.394734, -67.113762.

Parroquia Nuestra Señora de la Monserrate, 0.23 miles to the northwest of the APE has classical architectural language with a belfry. Renovated in 1990, only the dome of the altar remains from the original. c1950. Located at 18.395422, -67.113268.

Residencial José A. Gándara, 0.17 miles southwest of the APE. This public housing complex was constructed in 1955, consisting of 11 buildings. Located at 18.391728, -67.113931.

A review of aerial imagery from Google Earth Pro, Earth Explorer, and of HistoricAerials.com shows that the extant building on site was constructed between 1958 and 1975, therefore the building is greater than 45 years in age. The c1970 building was originally a concrete house.

The house has slab on grade concrete foundation, concrete walls, and a flat concrete roof with overhangs. The façade faces north and has a projecting L-shaped front porch to the right side supported by five simple concrete columns. The front door appears original, is to the right side of the façade wall, and is made of wood with recessed rectangular panels. A three light wood and glass transom is above the entrance door. The windows are metal jalousies.

Extant building on the property, view southeast.

The building is first present in 1975 aerial imagery, not visible in 1958. The 1975 footprint does not include the L-shaped front porch which was added between 1993 and 2004. Historic topographic maps were also reviewed to try and further narrow the date of construction; a house is present to the north on the 1964 (1967, ed) Mocha topographic map on USGS topoview.com, likely one that is visible in 1975, however the subject property is not depicted. Therefore, a date of circa 1970 has been determined for this property.

Details of 2023 and 1975 aerial imagery indicating the extant building on the property.

The property is surrounded by a cyclone fence and has three metal shipping containers positioned forming a U-shape located to the south of the house. The metal containers appear on site from 2015 on. The house and metal containers will be demolished as part of the proposed undertaking.

This building does not comply with applicable NRHP criteria for being individually listed. The building has integrity of location, as it hasn't been moved since its original construction, and the materials remain the same. The building has had changes with the addition of a carport and terrace, that affects the integrity of design and craftmanship and feeling. The use of the building has changed from a residence to a storage facility. And the setting has also changed with the addition of adjacent metal containers, removal of vegetation, addition of a fence, and changes to the surrounding properties. The house has no association with a historic district. Furthermore, the building is not NRHP-eligible as it does not fulfill eligibility requirements:

Criterion A. The house is not associated with events, patterns, customs, practices, beliefs, or important trends related to the history of Moca and of Puerto Rico.

Criterion B. The building is not associated with significant people or with activities that in the past were important within local, state, or national history.

Criterion C. The building has no specific details, patterns, volumetric massing, or stylistic elements to be considered historically important. The house does not represent a significant and distinguishable entity. The building is not the work of a master, and it does not have high artistic value.

Criterion D. The house does not yield information important for the understanding of prehistory or history.

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 project actions will not affect any historic or archaeological properties within the Area of Potential Effects.

In the past, the site was used for agricultural activity of minor products and sugar cane. In the mid-twentieth century the town began to expand, and the fields were eliminated in its urbanization process. All remnants of the agricultural past have been eliminated from the site and its surroundings. Around the site there is a public middle school in front and a sports complex to the southeast. The overall area is being used as a parking lot, so the project does not visually affect the surrounding area. The one building on the site, was built within the past 30 years and holds no significant architectural value.

After analyzing the available data, the program determines that the precolonial and colonial potential of the area is considered low. Most of the APE is located on Moca clay (MuD3) soil with 12 to 20 percent slopes and which is severely eroded, making the soil conditions far less than ideal for archaeological deposits to be found therein. The archaeological resource survey by Eduardo Questell Rodríguez in 1994 (0.14 miles east of the APE) found a possible prehistoric lithics worksite and recommended that a Phase II survey be conducted. No evidence of such Phase II survey was found. However, the area were the potential precolonial lithics worksite was found is significantly different and distant from the project area, making the probability of finding intact and significant archaeological resources in the APE low.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	
Subrecipient: Municipio de Moca	
Project Name: Multiuse Center (CMDM)	**Project ID:** PR-CRP-000670

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

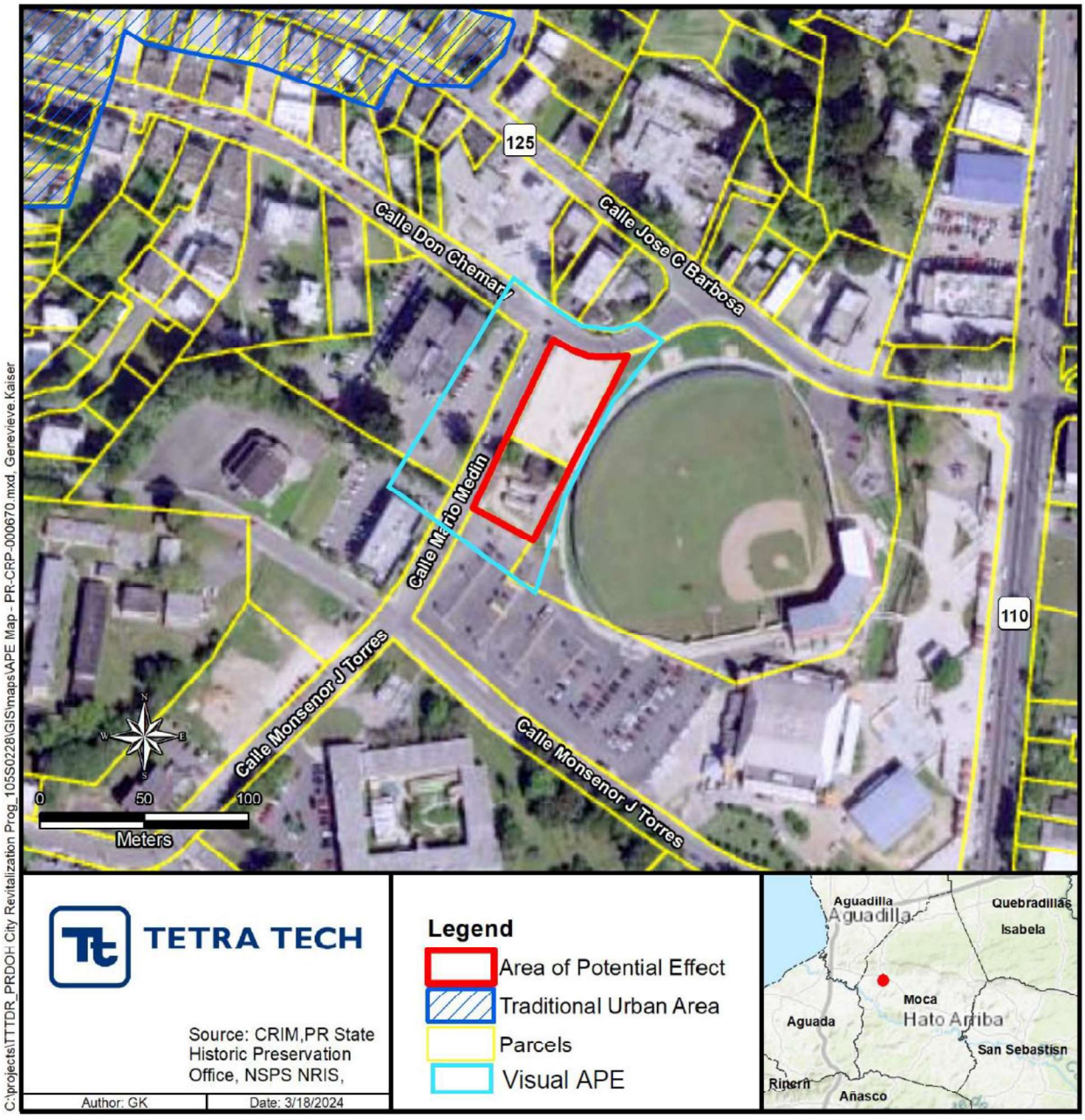
The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

X No Historic Properties Affected
☐ No Adverse Effect
Condition (if applicable): N/A
☐ Adverse Effect
Proposed Resolution (if appliable)

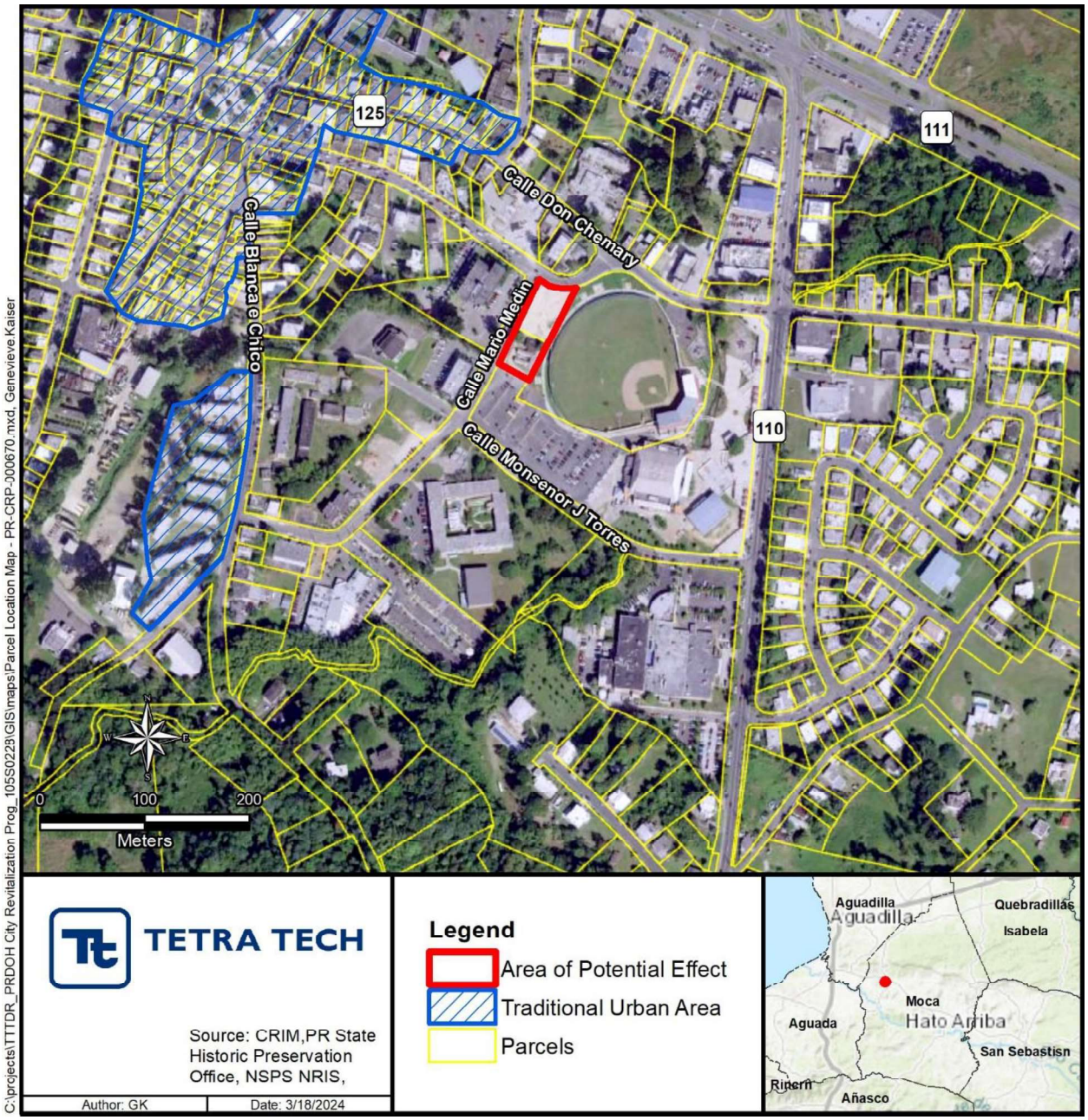
This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and: ☐ **Concurs** with the information provided. ☐ **Does not concur** with the information provided.	
Comments:	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

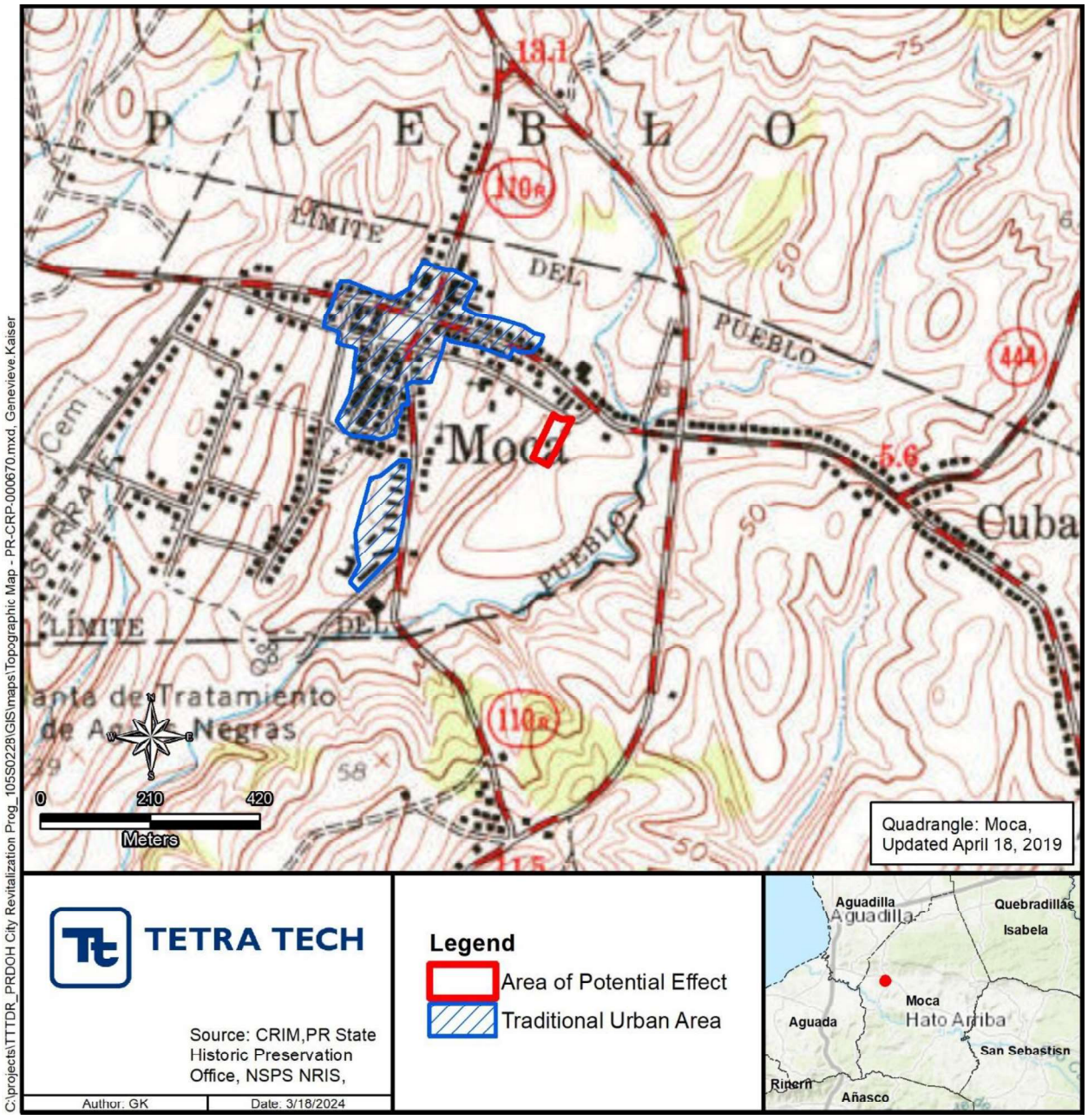
Project (Parcel) Location – Area of Potential Effect Map (Aerial)



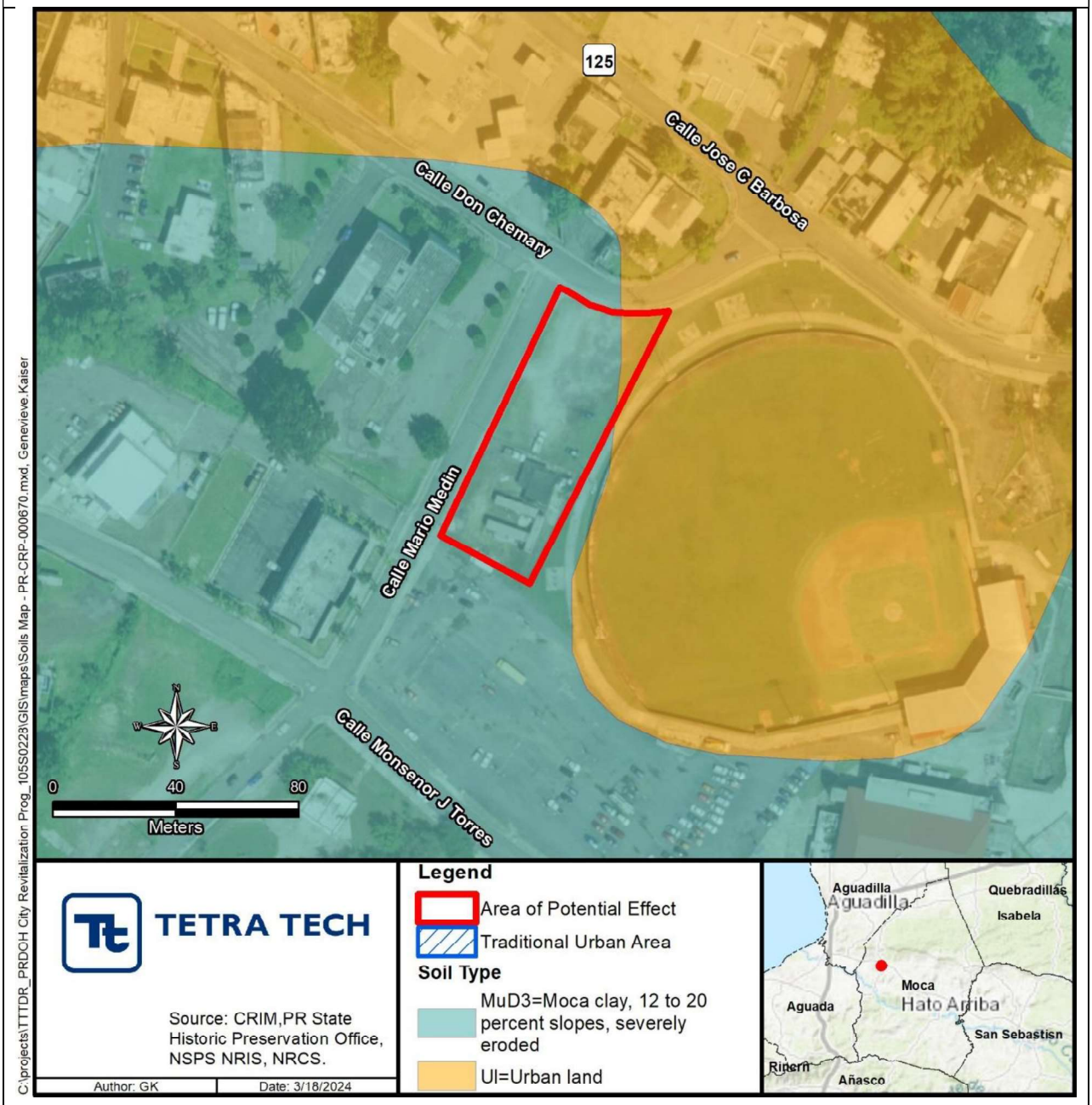
Project (Parcel) Location - Aerial Map



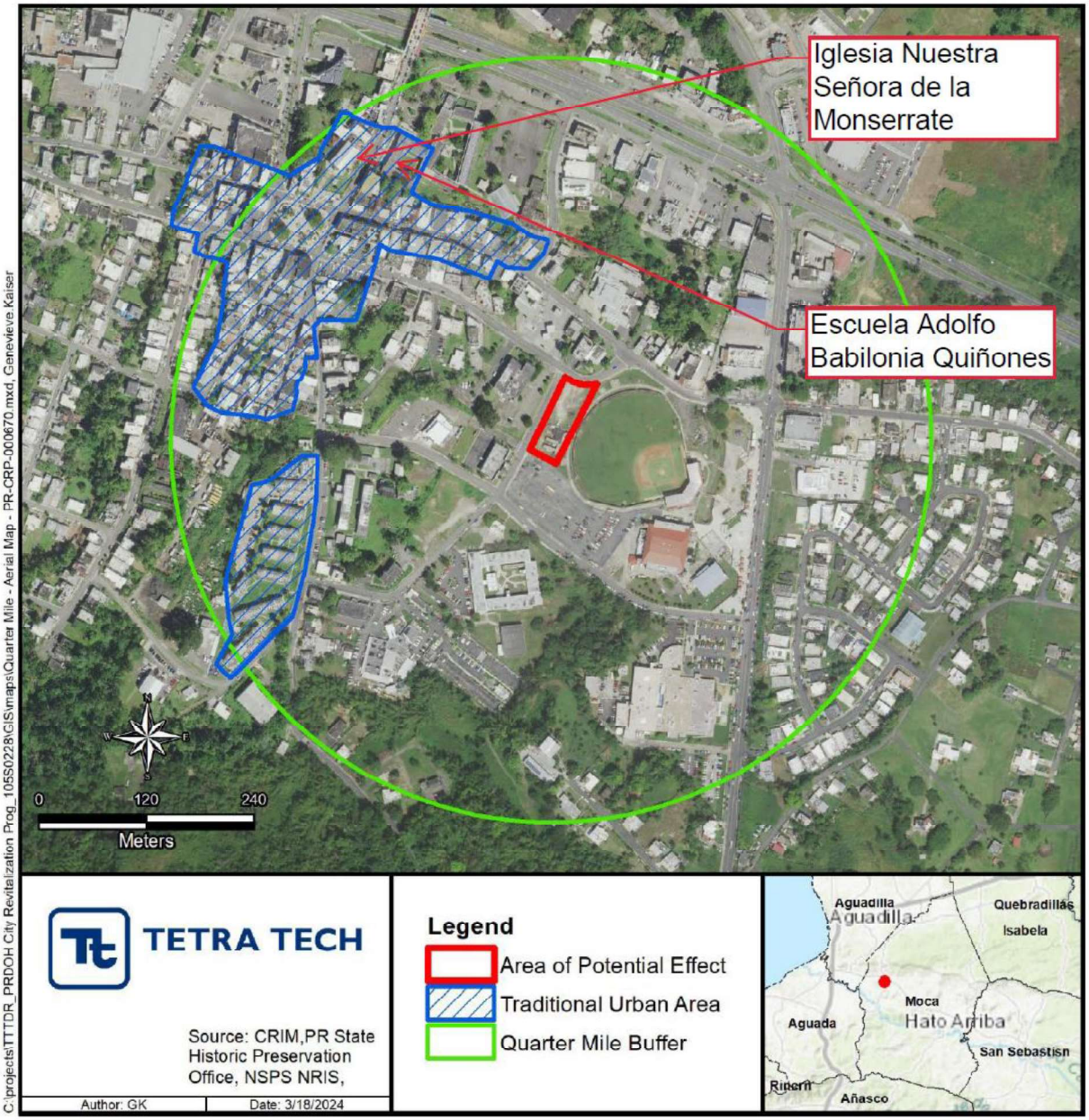
Project (Parcel) Location - USGS Topographic Map



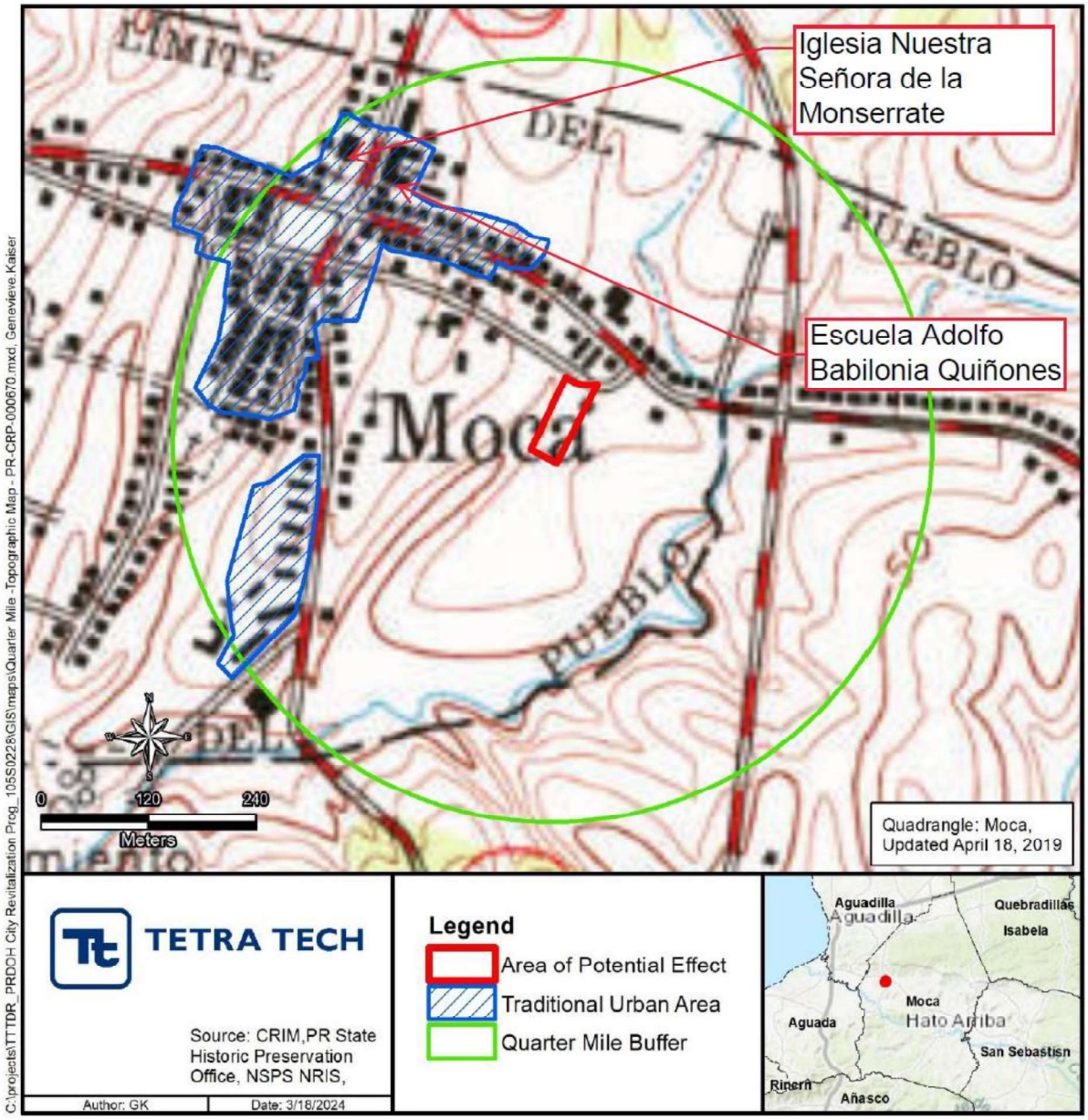
Project (Parcel) Location – Soils Map



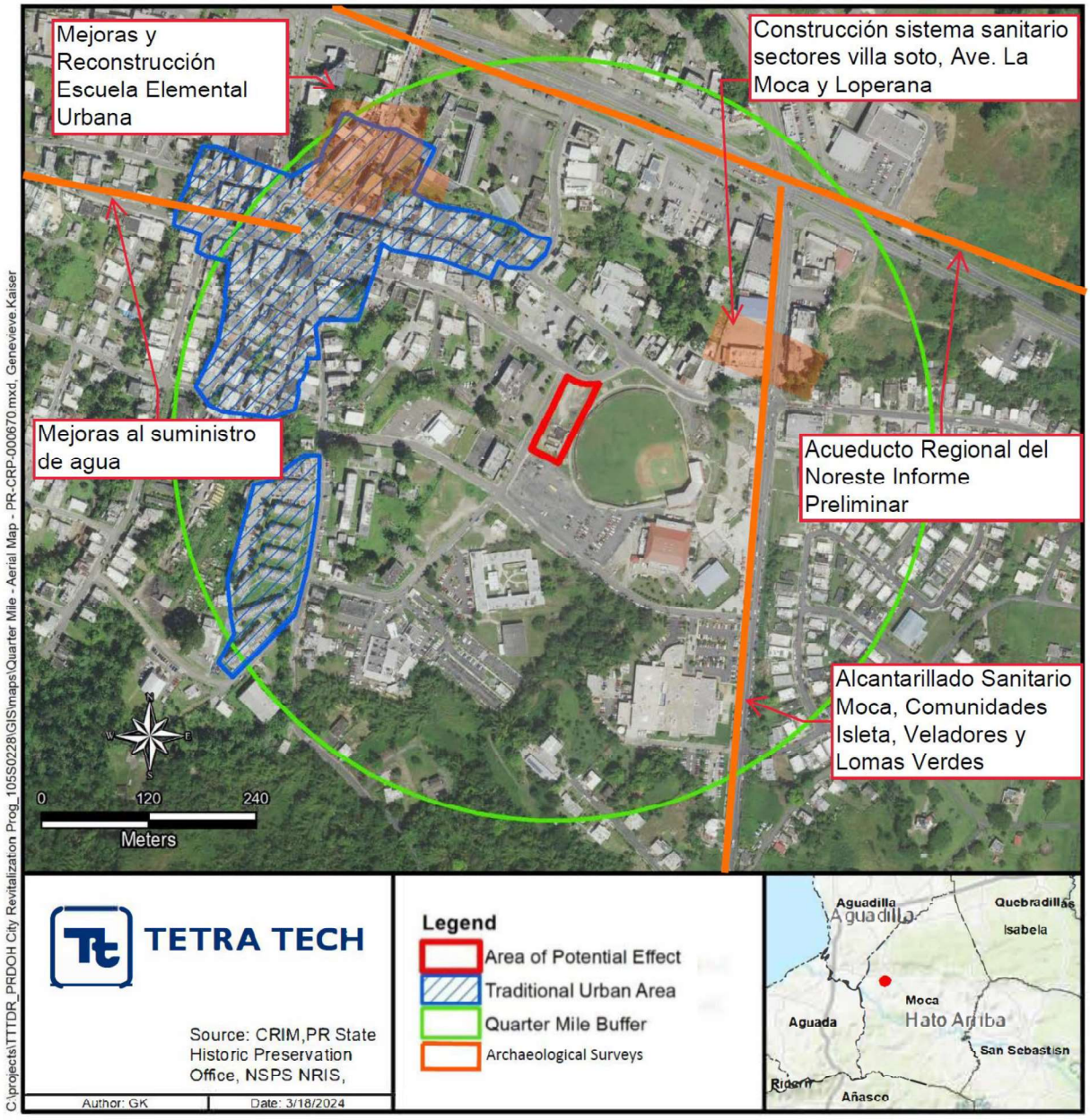
Project (Parcel) Location with Previously Recorded Historic Properties with Archaeological Potential.



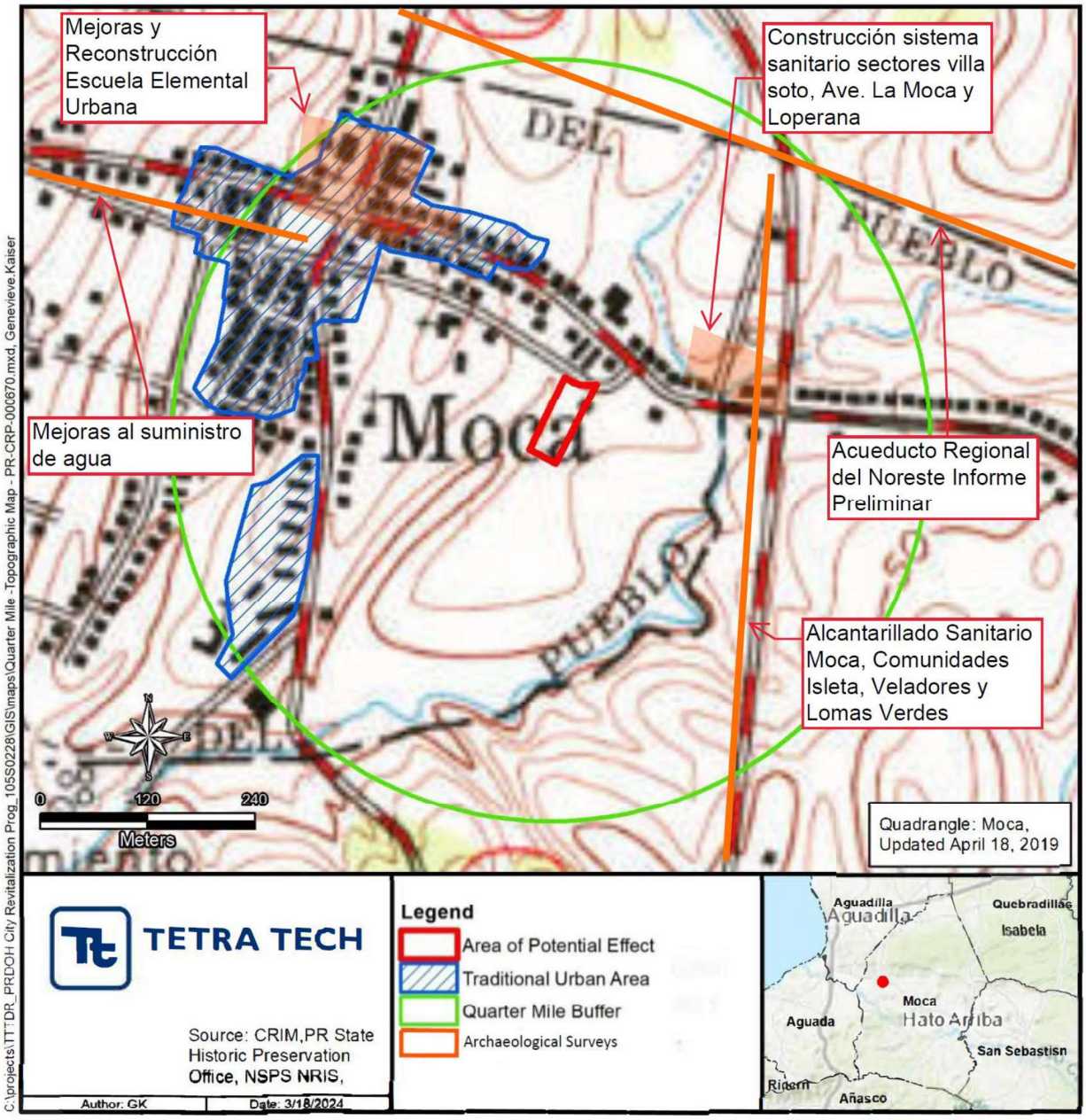
Project (Parcel) Location with Previously Recorded Historic Properties with Archaeological Potential.



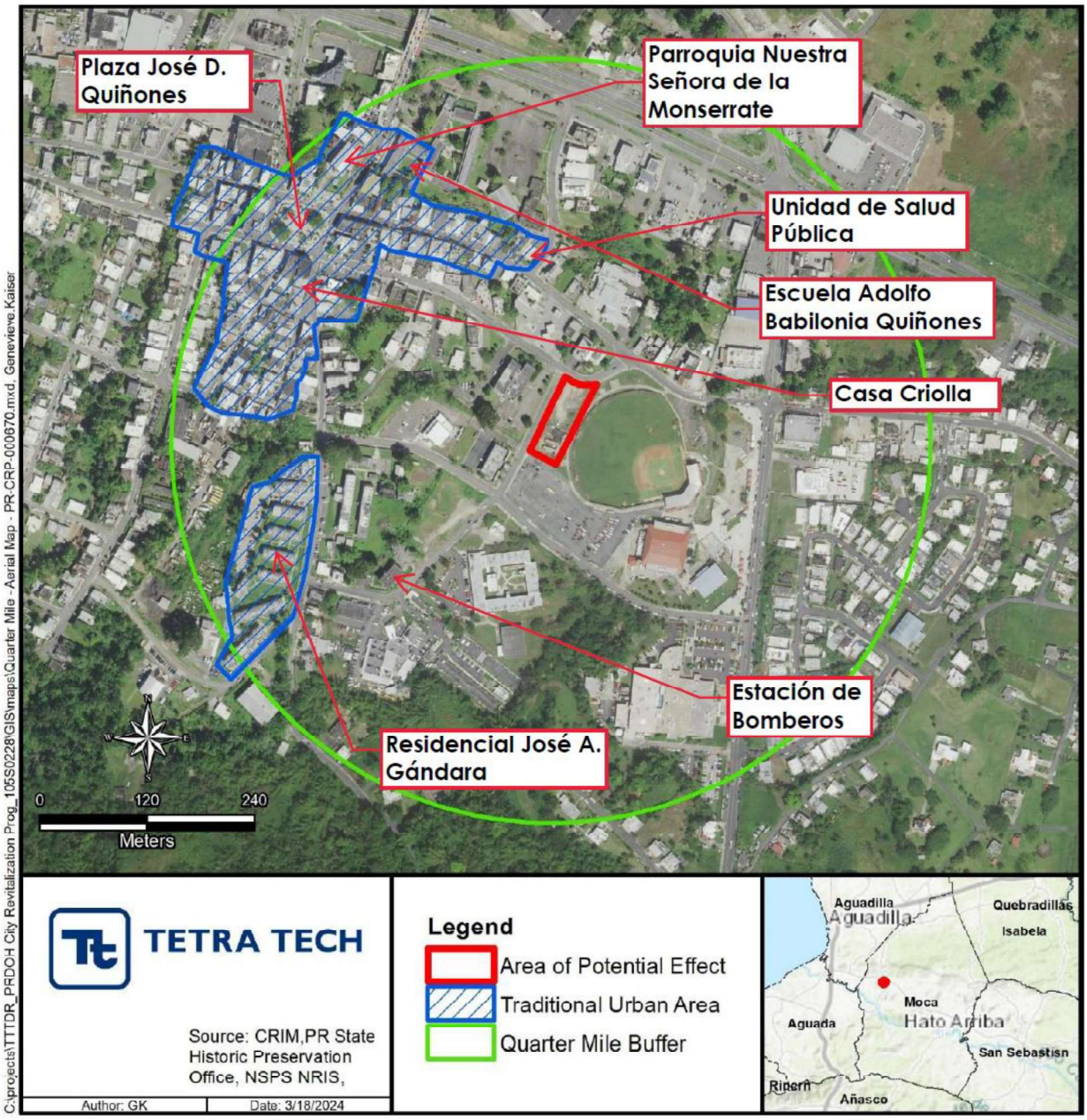
Project (Parcel) Location with Previous Archaeological Surveys- Aerial Map



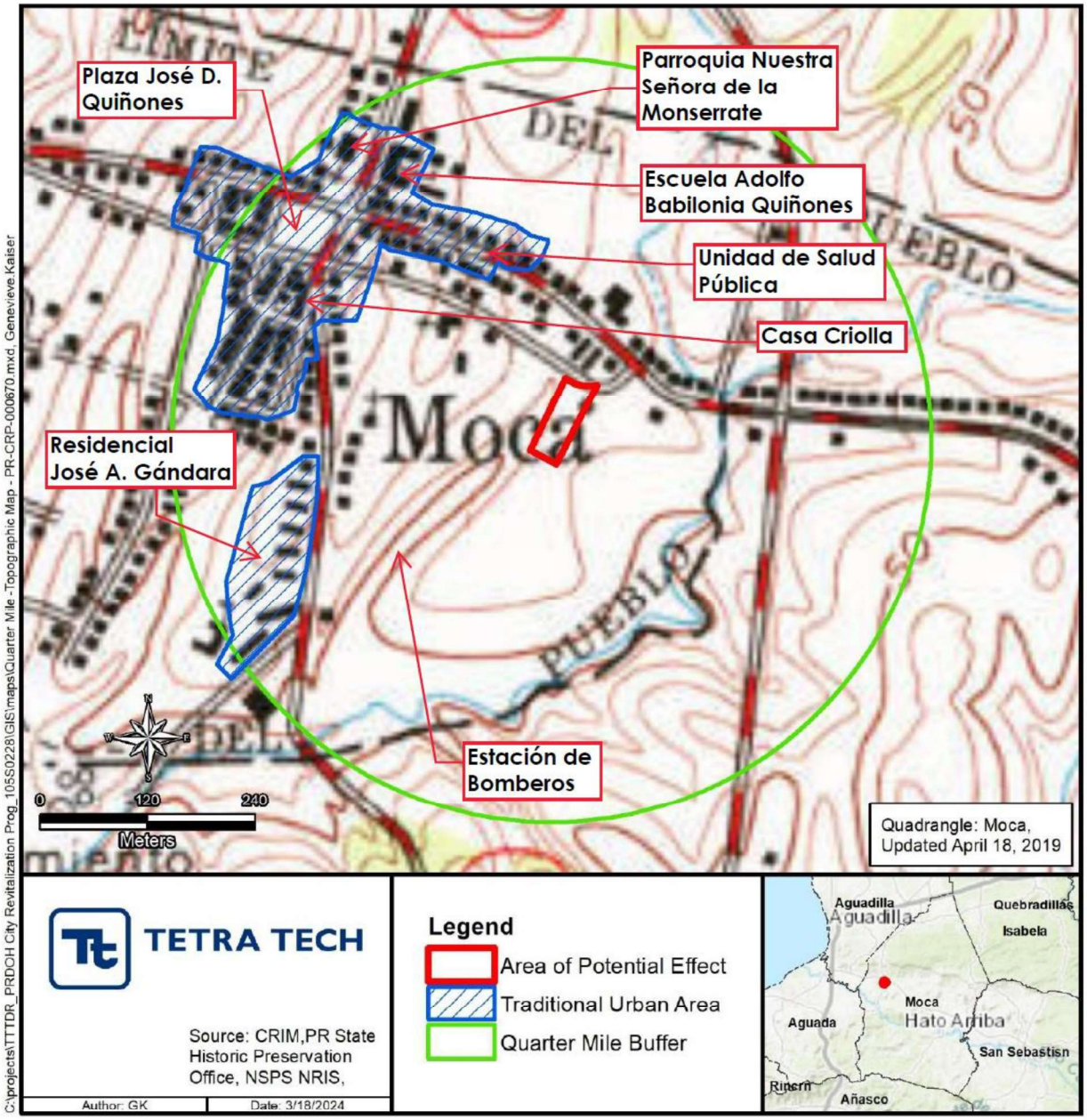
Project (Parcel) Location with Previous Archaeological Surveys
USGS Topographic Map



Project (Parcel) Location with NRHP-eligible Properties - Aerial Map



Project (Parcel) Location with NRHP-eligible Properties
USGS Topographic Map



Photograph Key

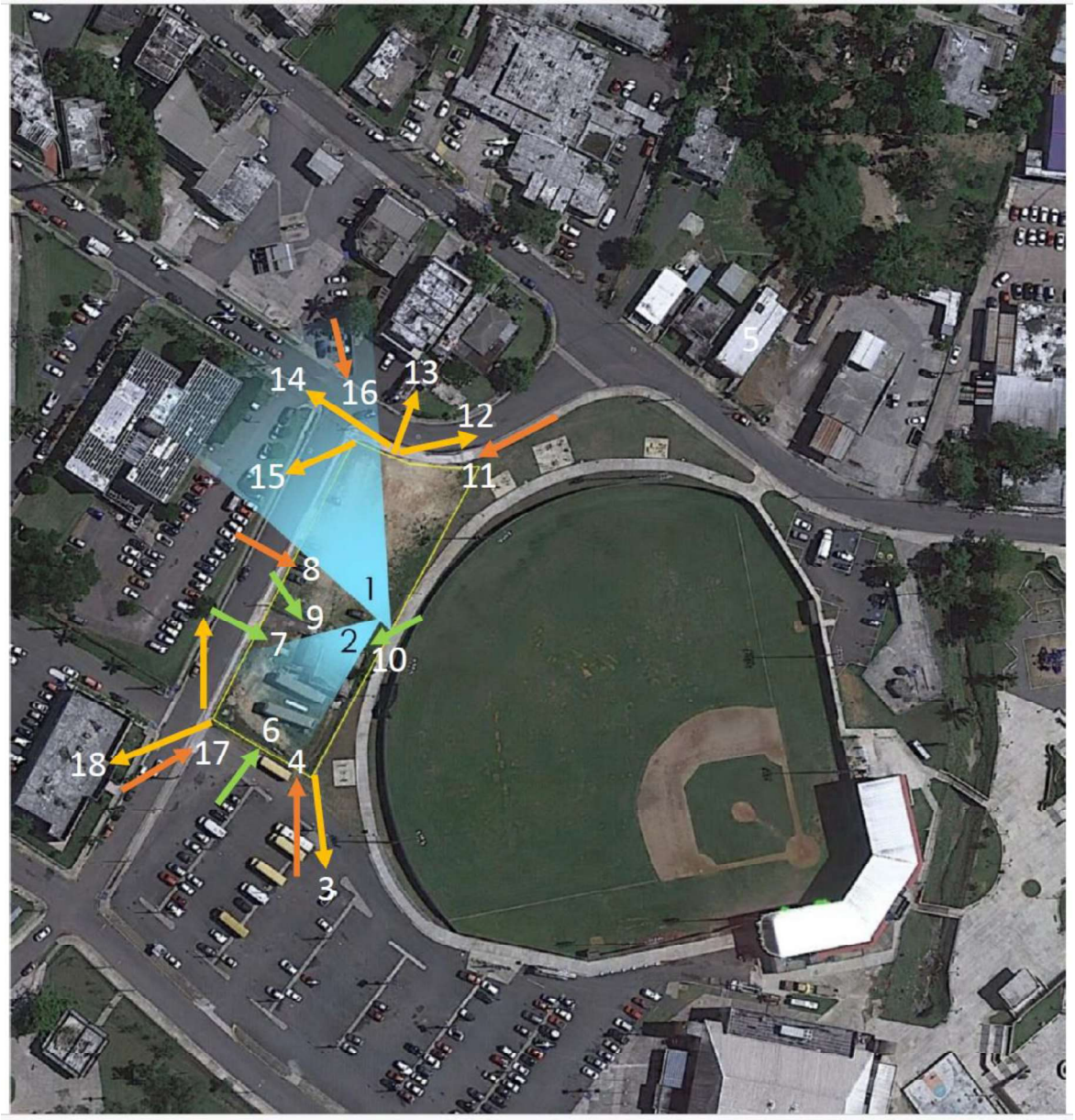


Photo # 1:	**Description (include direction):** View from the site to the northwest.
Date: 02/10/2023	

Photo # 2:	**Description (include direction):** Left side elevation of structure on site, view to the southwest.
Date: 02/10/2023	

Photo # 3: **Date:** 03/18/2024	**Description (include direction):** View from the site to the south.

Photo # 4: **Date:** 03/18/2024	**Description (include direction):** View of the site to the north.

Photo # 5: **Date:** 03/18/2024	**Description (include direction):** View of Mario Medina Street, view to the north.

Photo # 6: **Date:** 03/18/2024	**Description (include direction):** View of the site to the northeast.

Photo # 7: **Date:** 03/18/2024	**Description (include direction):** Structure on site, view to the southeast.

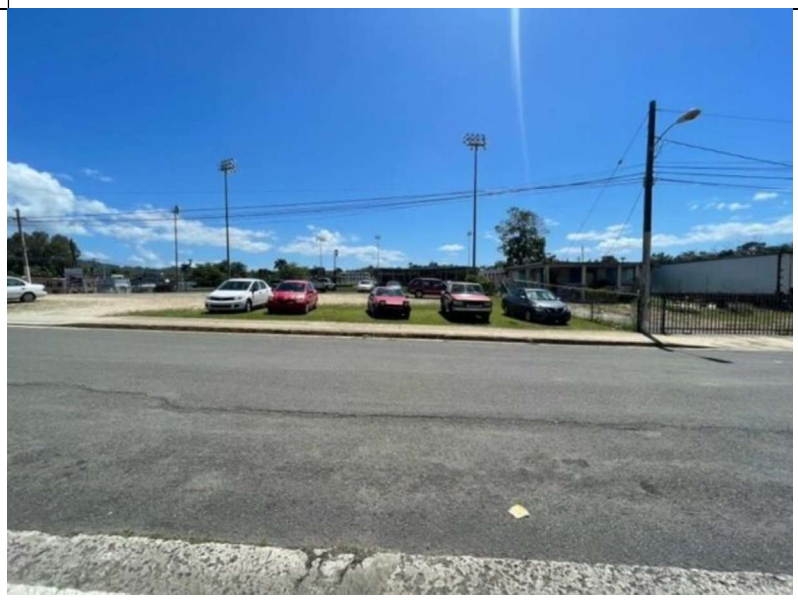


Photo # 8: **Date:** 03/18/2024	**Description (include direction):** View of the site to the southeast.

Photo # 9: **Date:** 03/18/2024	**Description (include direction):** Structure on site, view to the southeast.

Photo # 10: **Date:** 03/18/2024	**Description (include direction):** Structure on site, view to the southwest.

Photo # 11: **Date:** 03/18/2024	**Description (include direction):** View of Don Chemary Street, view to the southwest.

Photo # 12: **Date:** 03/18/2024	**Description (include direction):** View of Don Chemary Street, view to the northeast.

Photo # 13: **Date:** 03/18/2024	**Description (include direction):** View from site of Don Chemary Street, view to the northeast.

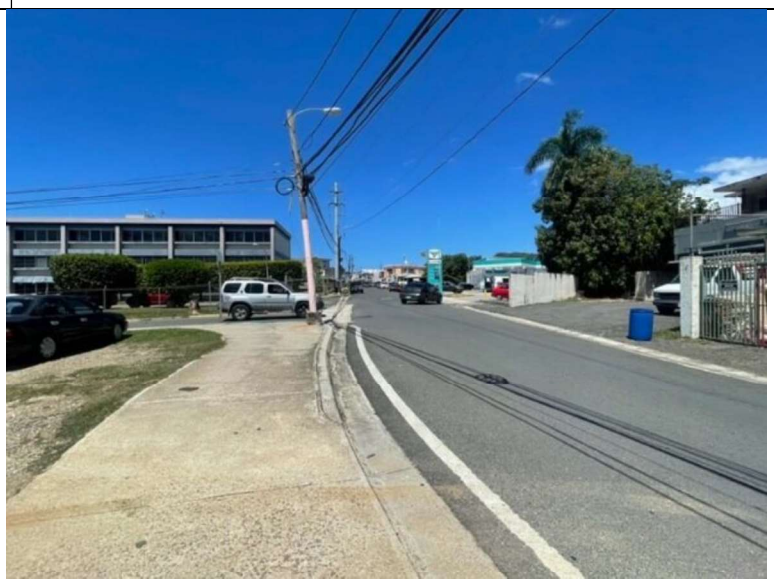


Photo # 14: **Date:** 03/18/2024	**Description (include direction):** View from site of Don Chemary Street, view to the northwest.

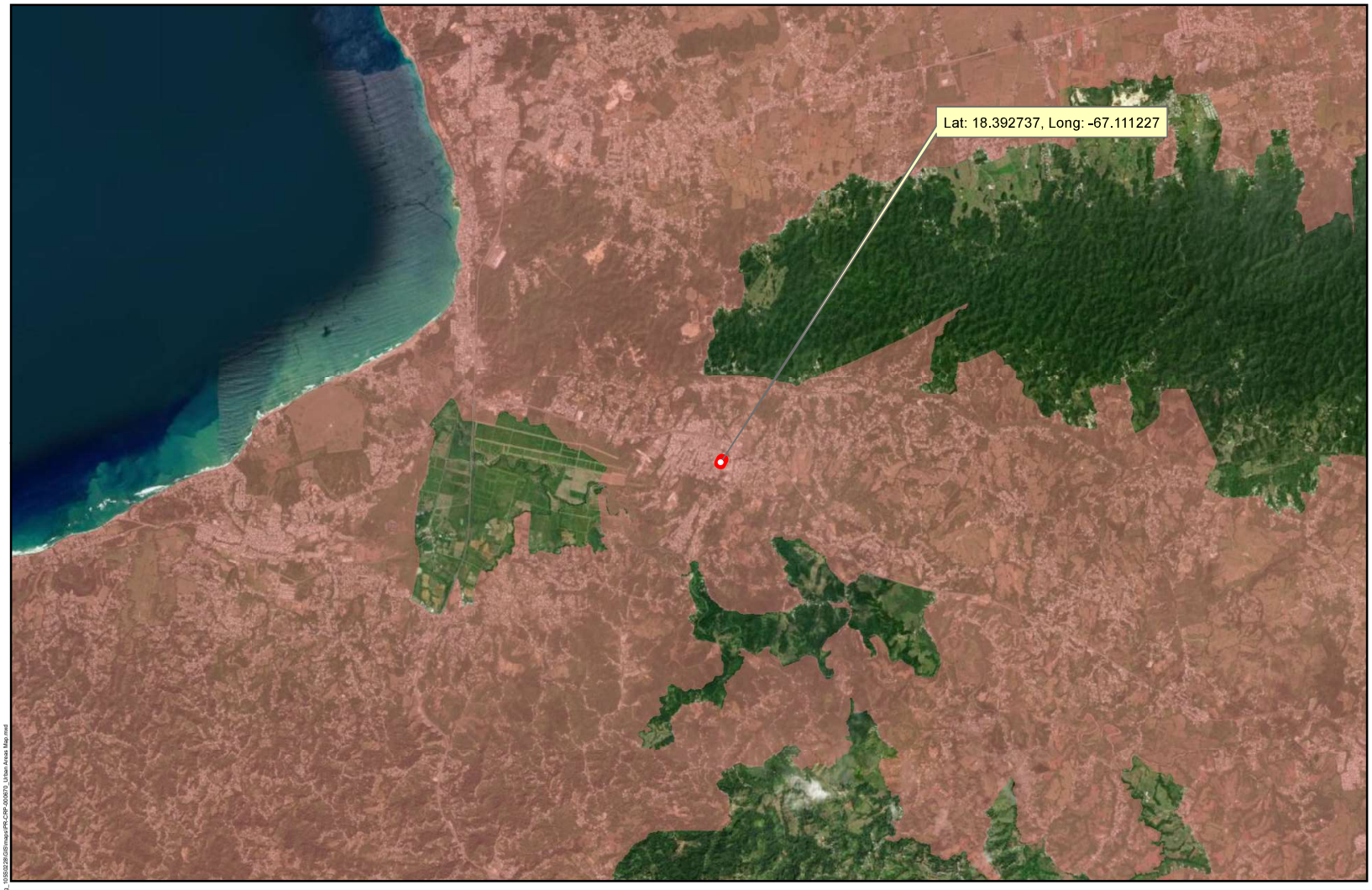
Photo # 15: **Date:** 03/18/2024	**Description (include direction):** View from site of Mario Medina Street, view to the southwest.

Photo # 16: **Date:** 03/18/2024	**Description (include direction):** View of the site from Mario Medina Street, view to the southeast.

Photo # 17: **Date:** 03/18/2024	**Description (include direction):** View of the site from Mario Medina Street, view to the northeast.

Photo # 18: **Date:** 03/18/2024	**Description (include direction):** View from the site to Mario Medina Street, view to the southwest.

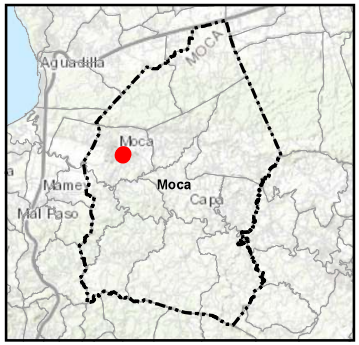
Appendix F



Legend

- Lat: 18.392737, Long: -67.111227
- Project Area
- US Census Urban Areas

PUERTO RICO



TETRA TECH

Urban Areas Map
Multiuse Center (CMDM), Municipality of Moca

Applicant ID: PR-CRP-000670
Project Coordinates: Lat: 18.392737, Long: -67.111227
Address: Calle Mario Medina at the intersection with Calle Don Chemary, Moca PR 00676

Source: CRIM 2014 (https://catastro.crimpr.net/cdprpc/). U.S. US Census Bureau 2023 (https://www2.census.gov/geo/tiger/TIGER2023/UAC/). ESRI 2024.

Author: Genevieve Kaiser | Date: 6/14/2024

N

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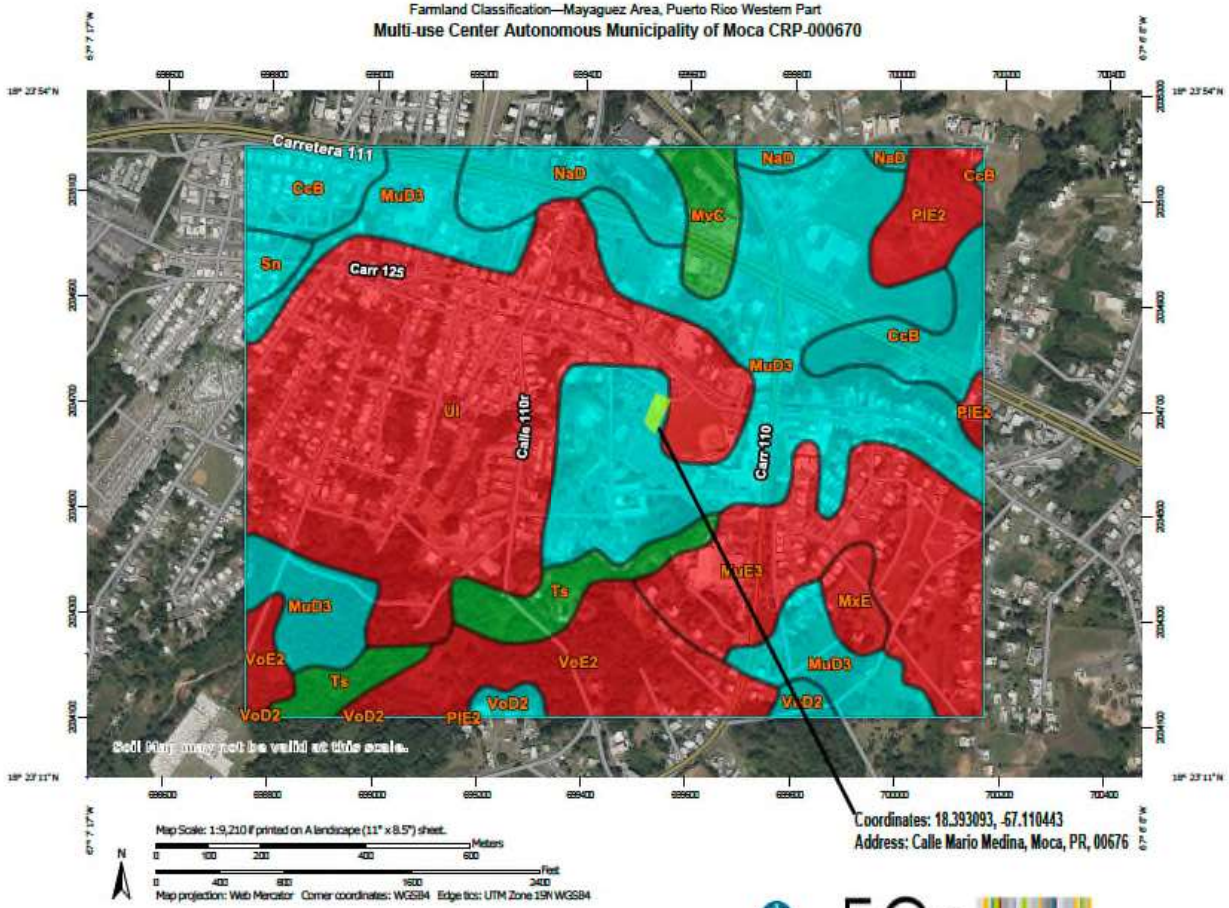
Miles

File Path: C:\projects\TTDR_PRDOH City Revitalization Prog_165832\05\Bmaps\PR-CRP-000670_Urban Areas Map.mxd

Farmland Classification—Mayaguez Area, Puerto Rico Western Part

Multi-use Center Autonomous Municipality of Moca CRP-000670



Map Scale: 1:9,210 if printed on A landscape (11" x 8.5") sheet.

Meters: 0, 100, 200, 400, 600

Feet: 0, 400, 800, 1600, 2400

N

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

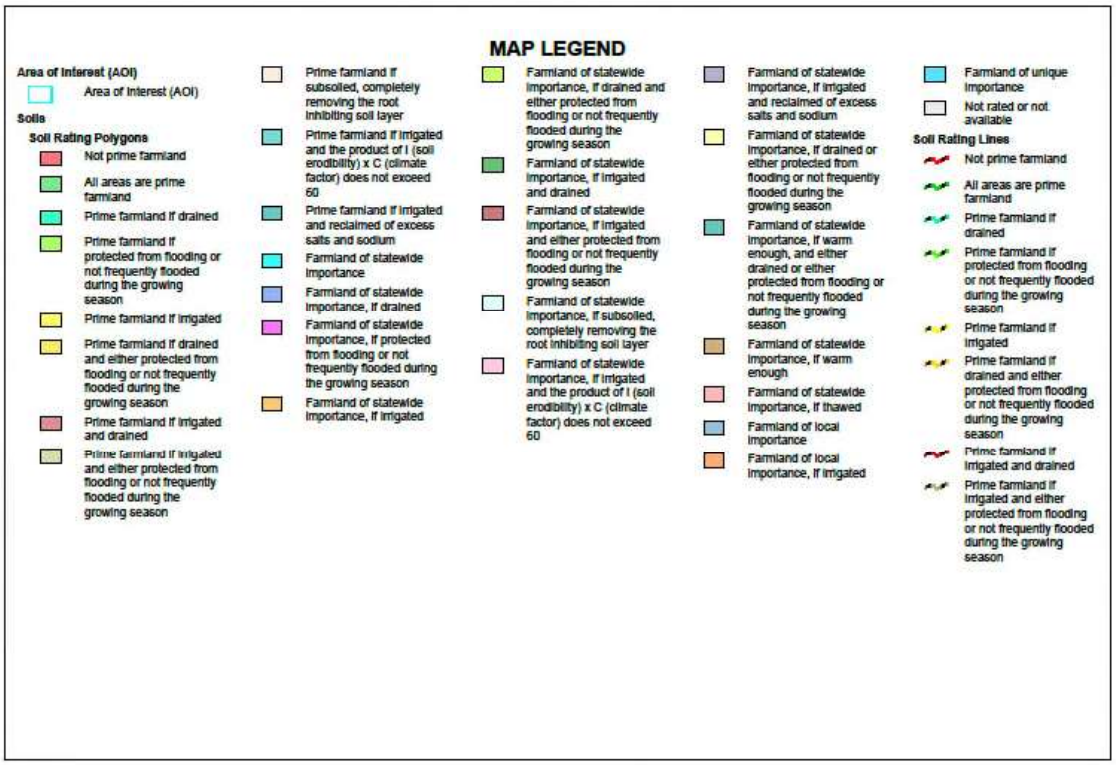
Natural Resources Conservation Service

https://websoilsurvey.sc.egov.usda.gov/App/

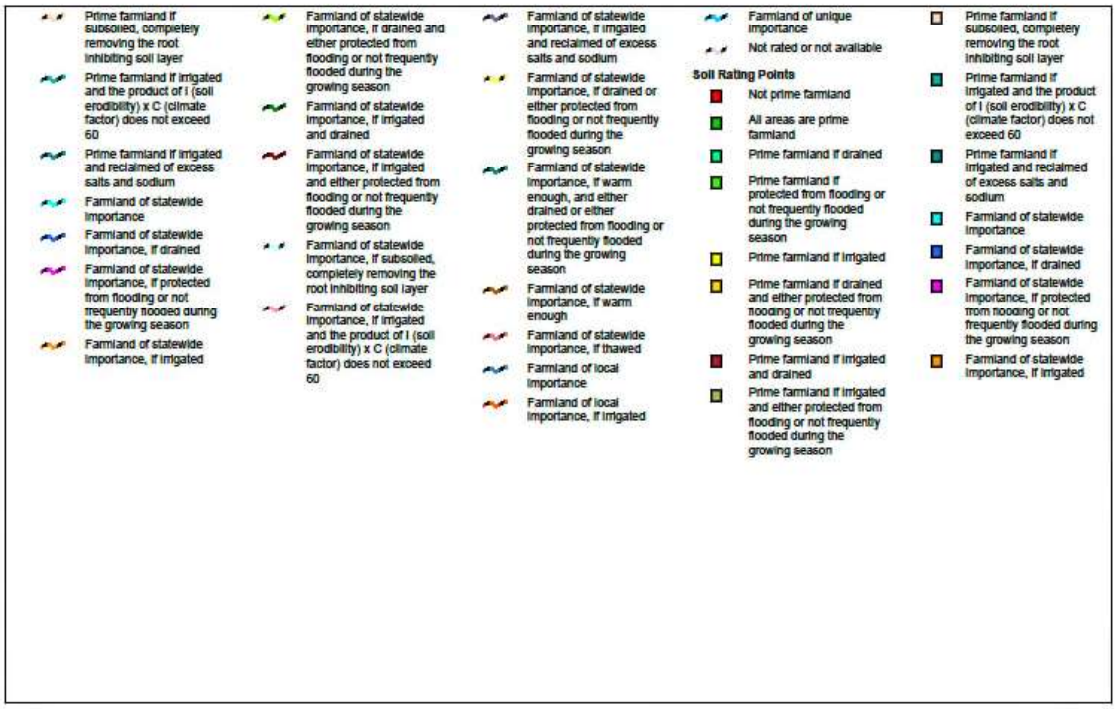
Web Soil Survey
National Cooperative Soil Survey

DIATOM

ECo


MAP LEGEND
Area of Interest (AOI)
Area of Interest (AOI)
Soils
Soil Rating Polygons
Not prime farmland
All areas are prime farmland
Prime farmland if drained
Prime farmland if protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated
Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated and drained
Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
Prime farmland if subsoiled, completely removing the root inhibiting soil layer
Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Prime farmland if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance
Farmland of statewide importance, if drained
Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if irrigated
Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if irrigated and drained
Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if warm enough
Farmland of statewide importance, if thawed
Farmland of local importance
Farmland of local importance, if irrigated
Farmland of unique importance
Not rated or not available
Soil Rating Lines
Not prime farmland
All areas are prime farmland
Prime farmland if drained
Prime farmland if protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated
Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated and drained
Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Farmland Classification—Mayaguez Area, Puerto Rico Western Part
(Estacionamiento y Plazoleta CRP-000870)



- Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated and drained
- Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
- Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough
- Farmland of statewide importance, if thawed
- Farmland of local importance
- Farmland of local importance, if irrigated
- Farmland of unique importance
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Mayaguez Area, Puerto Rico Western Part
Survey Area Data: Version 18, Sep 12, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CcB	Camaguey clay, 2 to 5 percent slopes	Farmland of statewide importance	20.6	5.4%
MuD3	Moca clay, 12 to 20 percent slopes, severely eroded	Farmland of statewide importance	113.9	30.0%
MuE3	Moca clay, 20 to 40 percent slopes, severely eroded	Not prime farmland	43.0	11.3%
MvC	Montegrande clay, 2 to 12 percent slopes	All areas are prime farmland	7.4	2.0%
MxE	Mucara clay, 20 to 40 percent slopes	Not prime farmland	4.6	1.2%
NaD	Naranjo clay, 12 to 20 percent slopes	Farmland of statewide importance	15.9	4.2%
PlE2	Plata clay, 20 to 40 percent slopes, eroded	Not prime farmland	10.9	2.9%
Sn	Santoni clay	Farmland of statewide importance	3.2	0.8%
Ts	Toa silty clay	All areas are prime farmland	14.4	3.8%
UI	Urban land	Not prime farmland	110.4	29.1%
VoD2	Voladora silty clay, 12 to 20 percent slopes, eroded	Farmland of statewide importance	3.9	1.0%
VoE2	Voladora silty clay, 20 to 40 percent slopes, eroded	Not prime farmland	31.4	8.3%
Totals for Area of Interest			**379.7**	**100.0%**

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

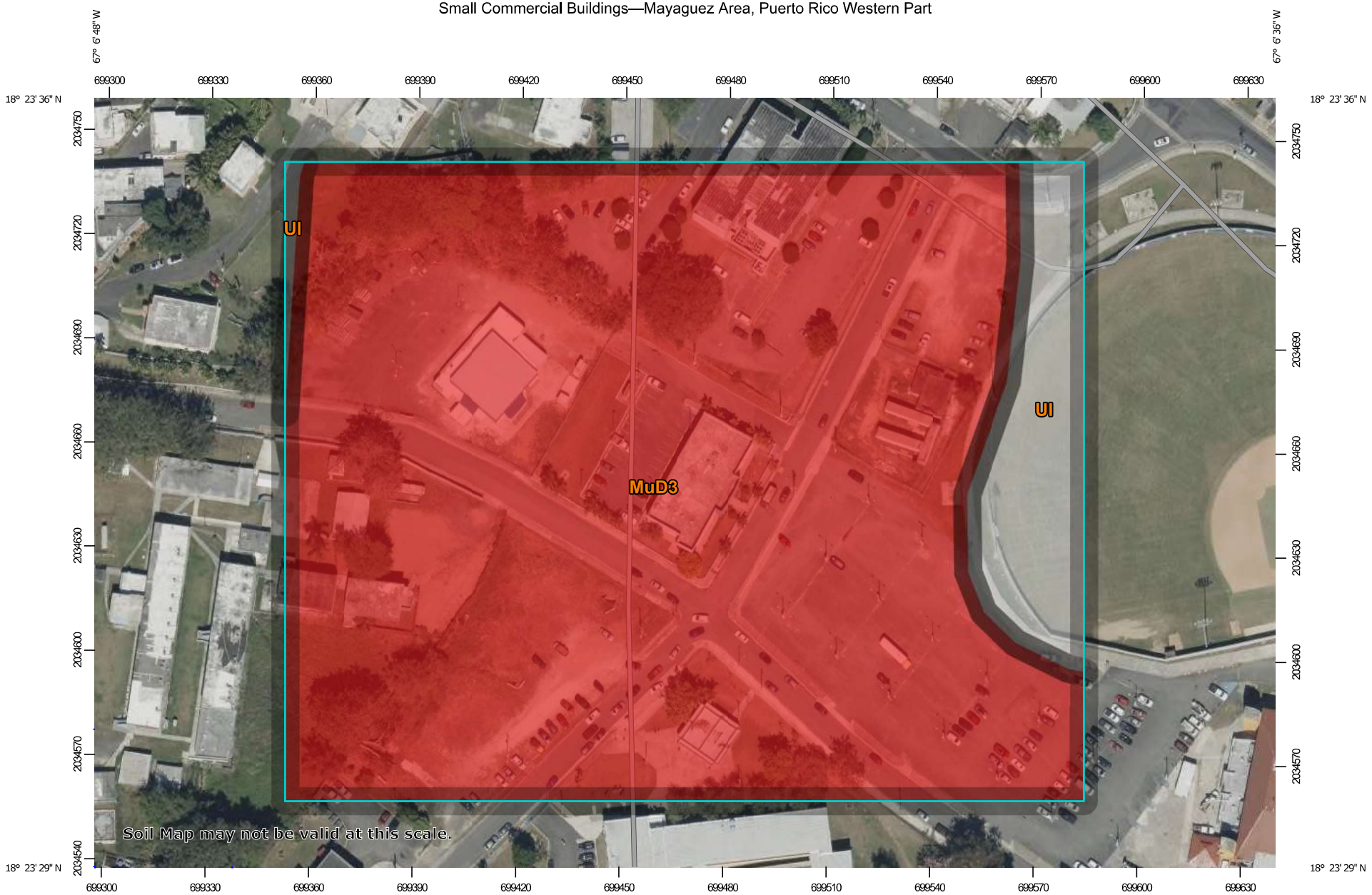
A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The majority of soil attributes are associated with a component of a map unit, and such an attribute has to be aggregated to the map unit level before a thematic map can be rendered. Map units, however, also have their own attributes. An attribute of a map unit does not have to be aggregated in order to render a corresponding thematic map. Therefore, the "aggregation method" for any attribute of a map unit is referred to as "No Aggregation Necessary".

Tie-break Rule: Lower

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.



Map Scale: 1:1,560 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 20 40 80 120

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Background
- Aerial Photography

Soils

Soil Rating Polygons
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Lines
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Points
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Mayaguez Area, Puerto Rico Western Part
Survey Area Data: Version 19, Sep 13, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Small Commercial Buildings

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
MuD3	Moca clay, 12 to 20 percent slopes, severely eroded	Very limited	Moca (100%)	Slope (1.00) Shrink-swell (0.50)	9.6	91.2%
UI	Urban land	Not rated	Urban land (100%)		0.9	8.8%
Totals for Area of Interest					**10.6**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Very limited	9.6	91.2%
Null or Not Rated	0.9	8.8%
Totals for Area of Interest	**10.6**	**100.0%**

Description

ENG - Engineering

Small commercial buildings are structures that are less than three stories high and do not have basements. The foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility (which is inferred from the Unified classification of the soil). The properties that affect the ease and amount of excavation include flooding, depth to a water table, ponding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher