

## ASR SUPPLEMENT

**INSTALLATION NAME:** CULEBRA ISL NWR

**INSTALLATION AKA:** CULEBRA ISL NWR

**FFID:** PR9799F4143

**FUDS PROPERTY NUMBER:** I02PR0068

**TOTAL PROPERTY ACREAGE:** 92500

**MSC:** South Atlantic Division - 41506  
FLAMENCO PEN, PR 00775

**POC for this data:**

Robert Hoffman, Rock Island District  
Phone: 309-794-5504  
Email: robert.e.hoffman@mvr02.usace.army.mil

**DOES THE INSTALLATION HAVE ANY A/I RANGES?** NO

**DOES THE INSTALLATION HAVE ANY CTT RANGES?** YES

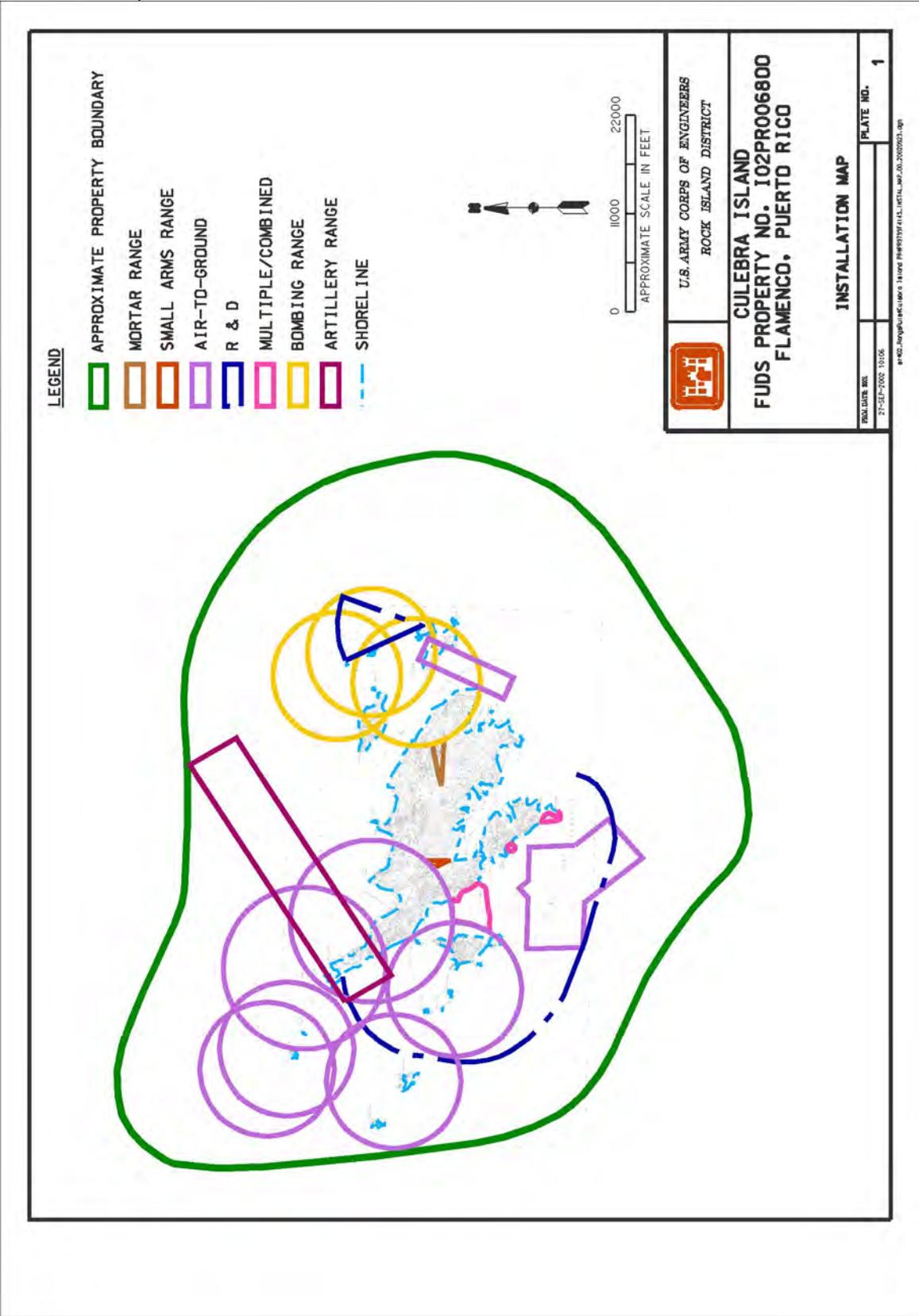
**TYPES OF MUNITIONS USED ON THIS INSTALLATION:** Conventional

**INFORMATION IN THIS SUPPLEMENT WAS GATHERED FROM THE:** ASR

MMR AREA SUMMARY						
PROJECT No.	PLATE No.	RANGE NAME	SUB-RANGE NAME	ACREAGE	AARS AOC	RMIS RANGE ID
02	R01	Mortar range		80	A-4	I02PR006802R01
02	R02	Airfield rifle range		22	A-5	I02PR006802R02
02	R03	Aerial mining range		2438	A-7	I02PR006802R03
02	R04	Water mine field		142	A-7	I02PR006802R04
02	R05	Water west		360	A-7	I02PR006802R05
02	R06	Water center		20	A-7	I02PR006802R06
02	R07	Water south		40	A-7	I02PR006802R07
02	R08	Range complex east		7262	A-1	I02PR006802R08

02	R08-SR01		Shark Rock	3680	A-1	I02PR006802R08-SR01
02	R08-SR02		Palada Cay	3680	A-1	I02PR006802R08-SR02
02	R08-SR03		Ladrone Cay	3680	A-1	I02PR006802R08-SR03
02	R08-SR04		Culebrita strafing range	640	A-1	I02PR006802R08-SR04
02	R08-SR05		Culebrita torpedo range	789	A-1	I02PR006802R08-SR05
02	R09	Range complex west		22052	A-3	I02PR006802R09
02	R09-SR01		Naval gunfire target area	4311	A-2	I02PR006802R09-SR01
02	R09-SR02		Twin Rocks	4044	A-2	I02PR006802R09-SR02
02	R09-SR03		Fungy Bowl	4044	A-2	I02PR006802R09-SR03
02	R09-SR04		Cross Cay	4044	A-2	I02PR006802R09-SR04
02	R09-SR05		Agua Cay	4044	A-2	I02PR006802R09-SR05
02	R09-SR06		Air to ground north	5917	A-2	I02PR006802R09-SR06
02	R09-SR07		Air to ground south	5917	A-2	I02PR006802R09-SR07
02	UL01	Rifle range south		0	A-5	I02PR006802R10

Installation Map: PR9799F4143\_INSTAL\_MAP\_00\_20020923.JPG



**INSTALLATION NAME**

CULEBRA ISL NWR  
FLAMENCO PEN, PR

**FUDS PROJECT**

I02PR006802 - 11 IMPACT SITES (BOMB)

**PROJECT COMMENTS:** This site consists of the main island of Culebra as well as about 20 smaller islands and tiny keys. The large acreage figure includes the water surrounding the islands, as scuba diving is popular. The land is about 7,300 acres, and the remaining 85,200 acres are water. The land portions are owned by the US Fish and Wildlife Service, the Puerto Rico Department of Natural Resources (DNR), and various private individuals. The DNR owns water from the high tide mark out to 9 miles. Virtually all of the water is used for year-round recreation, including scuba diving.

Military operations began in 1903, when US Marines landed and used the site for maneuvers, artillery firing, and amphibious training until 1941. The US Navy used the site as a ship to shore and aerial gunnery range from 1935 until 1975.

All of the keys are uninhabited with no docking facilities, and most are simply rocks. The ASR team had to jump off a boat and swim short distances to survey these keys. The ASR team observed a large amount of inert OE residue, but nothing that could be confirmed as live. The ASR was submitted in February 1995, and an EE/CA has already been performed.

**MMR AREA NAME:** Mortar range

**RMIS Range ID:** I02PR006802R01

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
ARTILLERY	1901	1941	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Agricultural w/housing	1942	N/A

**ACREAGE:**

<b>Land:</b>	80
<b>Tidal Water:</b>	0
<b>Inland Water:</b>	0
<b>Total:</b>	80
<b>Tidal Water with Public Exposure Pathway:</b>	No

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	80
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	B
<b>RAC Score:</b>	2

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19010101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This range is on uninhabited grazing land.

**COMMENTS:** This range was not shown on any maps or historical documents. A local resident told about this range, which was used by the Marine Corps in the 1930s. Around 1935, a local boy was killed playing with a UXO item he had found here. The ASR team observed fragments of a 3" or 4.2" mortar round.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** Yes - Around 1935, a young boy was killed while he was playing with UXO found on this range.

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
MORTARS, HE(CTT22)	3-inch, Mortar, HE, MK1		
MORTARS, HE(CTT22)	4.2-inch, Mortar, HE, M329A1		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	FENCES	Description is not on file
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
O	Various Private Owners		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Peninsula	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** CLAY/SAND WITH STONE

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** SHRUBS WITH SOME TREES

**GROUNDWATER**

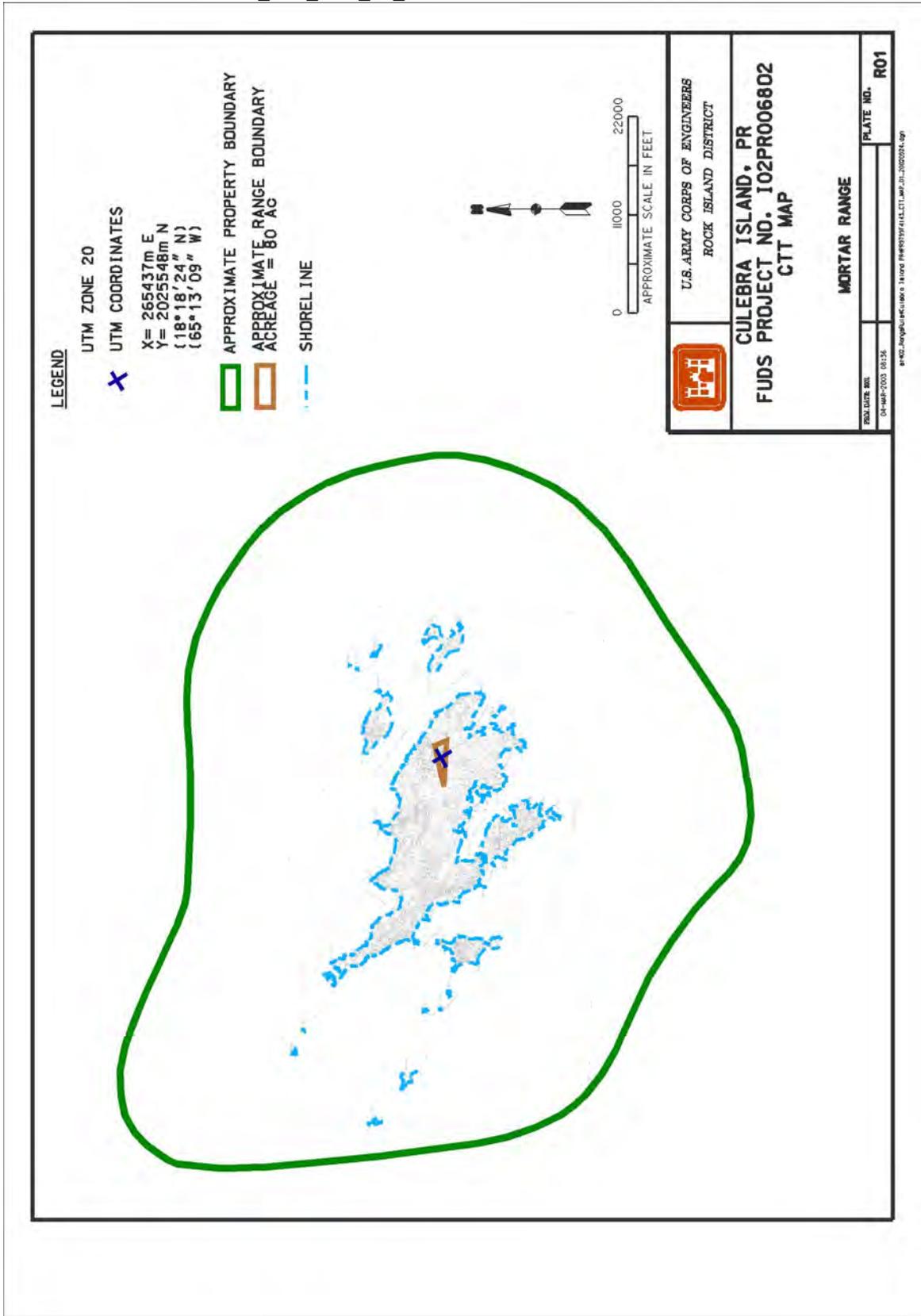
<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN

**RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS** UNKNOWN

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 265437.00  
**UTM Y: (meters)** 2025548.00  
**UTM ZONE:** 20  
**Latitude:** 18° 18' 24" N  
**Longitude:** 65° 13' 9" W

RANGE MAP: PR9799F4143\_CTT\_MAP\_01\_20020924.JPG



**MMR AREA NAME:** Airfield rifle range

**RMIS Range ID:** I02PR006802R02

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
SMALL ARMS	1901	1941	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1942	N/A

**ACREAGE:**

<b>Land:</b>	22
<b>Tidal Water:</b>	0
<b>Inland Water:</b>	0
<b>Total:</b>	22
<b>Tidal Water with Public Exposure Pathway:</b>	No

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	22
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	V
<b>Hazard Probability:</b>	B
<b>RAC Score:</b>	5 <i>(RAC OVERRIDE: Small Arms Only Range)</i>

**CLASSIFICATION(S):**

Training  
Small Arms Range

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19010101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This small arms range is located in heavy vegetation next to the current runway.

**COMMENTS:** This small arms range was shown on several maps and referenced in documents. There is no evidence it was used for other than small arms.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
SMALL ARMS(CTT01)	Small Arms, General		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
O	Various Private Owners		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** CLAY-SAND/CLAY-SILT

**TOPOGRAPHY:** GENTLY ROLLING

**VEGETATION:** HEAVY SHRUBS WITH TREES

**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	253535.00

**COORDINATES:**

**UTM Y: (meters)** 2025958.00

**UTM ZONE:** 20

**Latitude:** 18° 18' 24" N

**Longitude:** 65° 13' 9" W



**MMR AREA NAME:** Aerial mining range

**RMIS Range ID:** I02PR006802R03

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1967	1975	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1976	N/A

**ACREAGE:**

<b>Land:</b>	0
<b>Tidal Water:</b>	2438
<b>Inland Water:</b>	0
<b>Total:</b>	2438
<b>Tidal Water with Public Exposure Pathway:</b>	No

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	2438
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	V
<b>Hazard Probability:</b>	B
<b>RAC Score:</b>	5

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19670101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** Training mines

**COMMENTS:** This was an aerial mining range where Navy planes would drop training mines. These mines would later be recovered by divers or minesweepers.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
TORPEDOES/SEA MINES(CTT47)	TORPEDOES/SEA MINES		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** FLAT

**VEGETATION:** BARREN OR LOW GRASS

**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	251120.00
<b>UTM Y: (meters)</b>	2010839.00

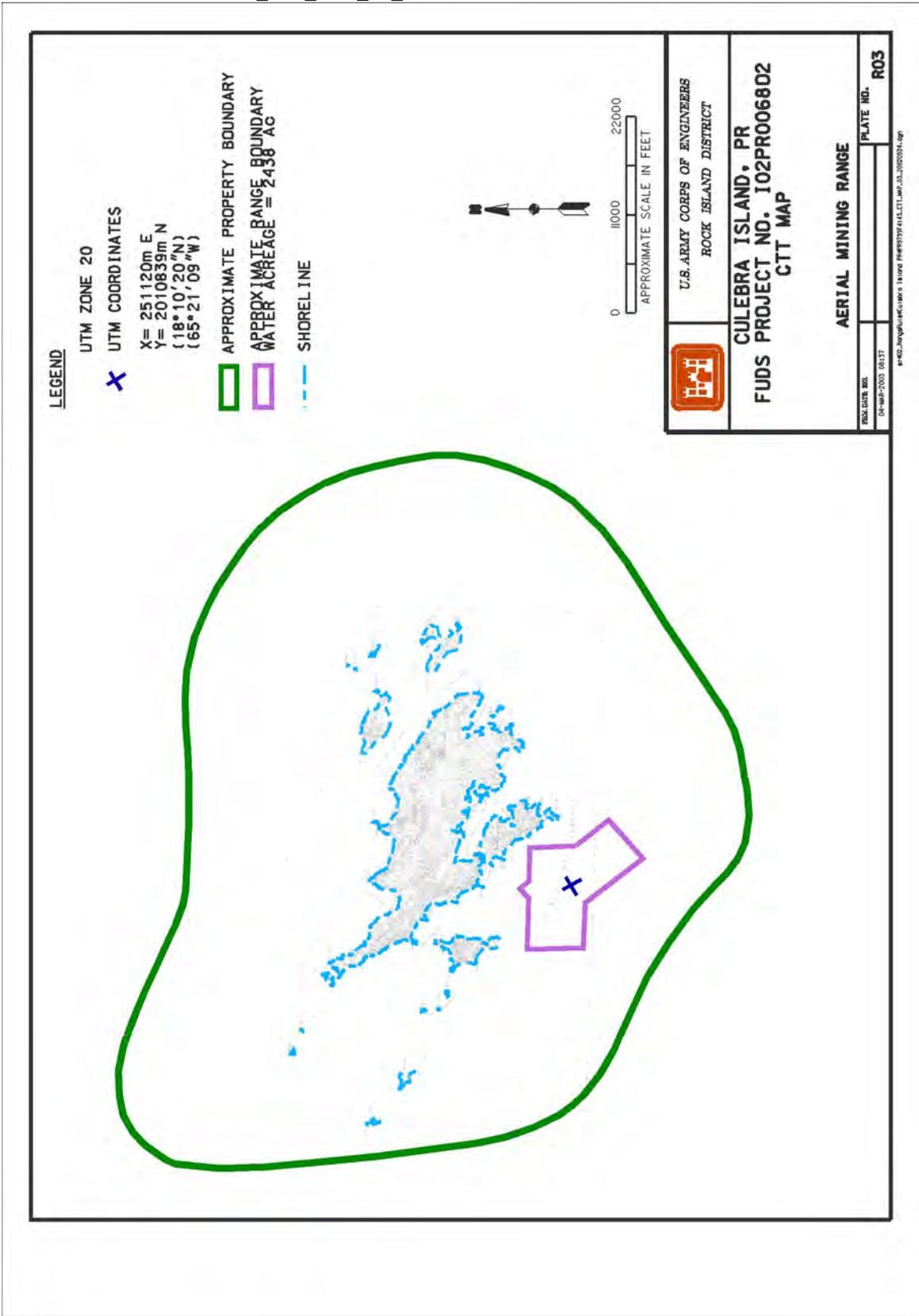
**COORDINATES:**

**UTM ZONE:** 20

**Latitude:** 18° 10' 20" N

**Longitude:** 65° 21' 9" W

RANGE MAP: PR9799F4143\_CTT\_MAP\_03\_20020924.JPG



**MMR AREA NAME:** Water mine field

**RMIS Range ID:** I02PR006802R04

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
TRAINING AREA/MANEUVER AREA	1913	1914	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1915	N/A

**ACREAGE:**

<b>Land:</b>	0
<b>Tidal Water:</b>	142
<b>Inland Water:</b>	0
<b>Total:</b>	142
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	142
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19130101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This possible minefield was in open water.

**COMMENTS:** There is no firm evidence this minefield existed. The primary reference was a 1913 Marine map showing plans for an upcoming training exercise. Two books also mention this exercise and tell of dragging for mines and minesweeping trials. There is no information on whether they used live HE mines, inert shapes, of practice mines with a small spotting charge.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

<b>MUNITIONS ID</b>	<b>MUNITIONS</b>	<b>USED START DATE</b>	<b>USED END DATE</b>
TORPEDOES/SEA MINES(CTT47)	Civil War, Mine, Submarine		

**RANGE LAND ACCESS AND RESTRICTIONS:**

<b>RESTRICTION TYPE</b>	<b>RESTRICTION</b>	<b>DESCRIPTION</b>
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

<b>OWNER TYPE</b>	<b>OWNER DESCRIPTION</b>	<b>LEASE</b>	<b>LEASE TERMINATION</b>	<b>REVOCATION OF LAND</b>
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

<b>TYPE</b>	<b>NAME</b>	<b>STATE</b>	<b>COUNTRY</b>
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** FLAT

**VEGETATION:** BARREN OR LOW GRASS

**GROUNDWATER**

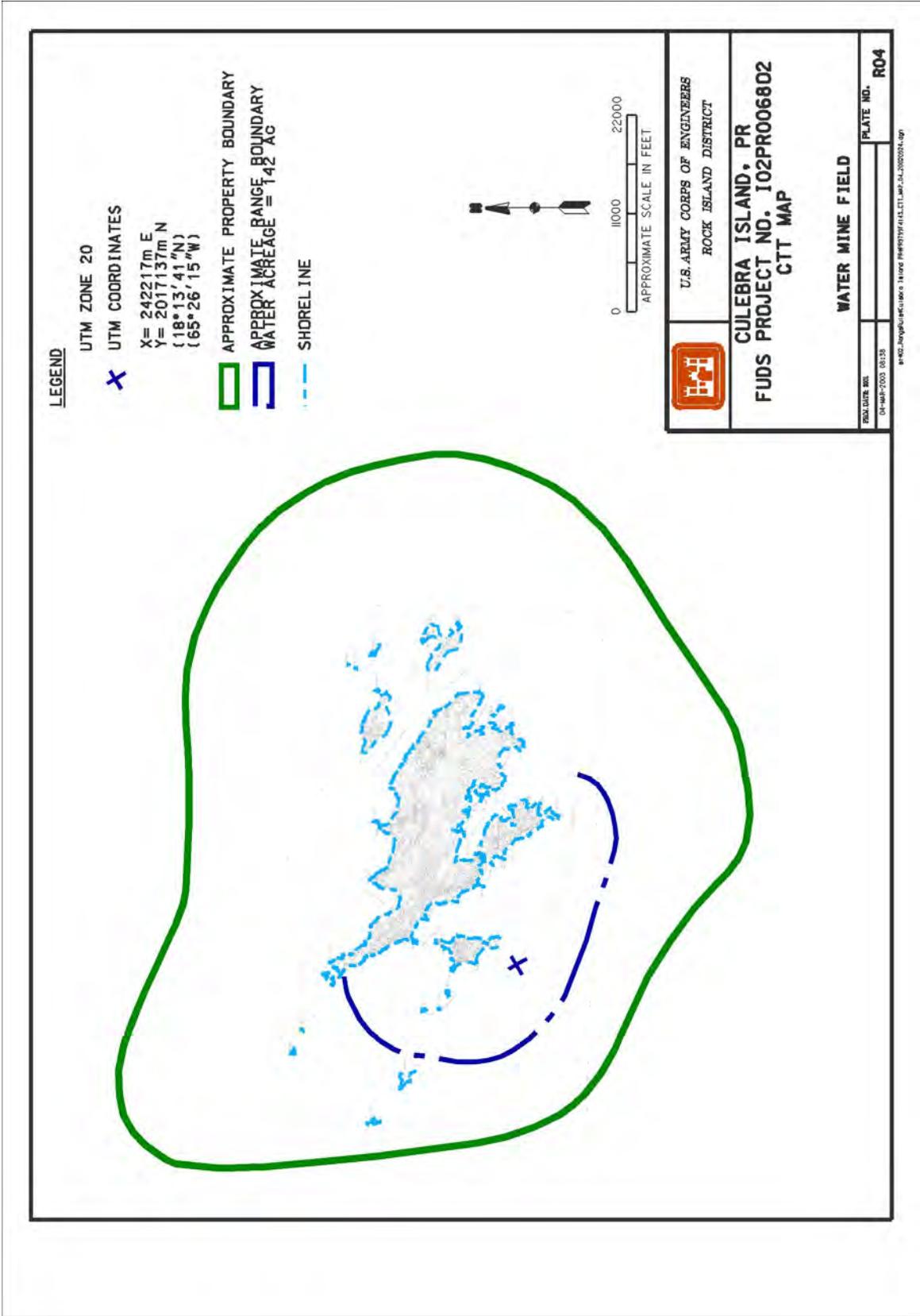
<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 242217.00  
**UTM Y: (meters)** 2017137.00  
**UTM ZONE:** 20  
**Latitude:** 18° 13' 41" N  
**Longitude:** 65° 26' 15" W

RANGE MAP: PR9799F4143\_CTT\_MAP\_04\_20020924.JPG



**MMR AREA NAME:** Water west

**RMIS Range ID:** I02PR006802R05

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
ARTILLERY	1901	1941	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1942	N/A

**ACREAGE:**

<b>Land:</b>	0
<b>Tidal Water:</b>	360
<b>Inland Water:</b>	0
<b>Total:</b>	360
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	360
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19010101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** The underwater UXO is probably a result of artillery firing.

**COMMENTS:** This is one of three areas where a local scuba instructor reported viewing underwater ordnance. Because of the location, this is probably surface-fired and not aerial ordnance

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

<b>MUNITIONS ID</b>	<b>MUNITIONS</b>	<b>USED START DATE</b>	<b>USED END DATE</b>
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	6-inch, HE, Mk II		

**RANGE LAND ACCESS AND RESTRICTIONS:**

<b>RESTRICTION TYPE</b>	<b>RESTRICTION</b>	<b>DESCRIPTION</b>
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

<b>OWNER TYPE</b>	<b>OWNER DESCRIPTION</b>	<b>LEASE</b>	<b>LEASE TERMINATION</b>	<b>REVOCATION OF LAND</b>
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

<b>TYPE</b>	<b>NAME</b>	<b>STATE</b>	<b>COUNTRY</b>
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** FLAT

**VEGETATION:** BARREN OR LOW GRASS

**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	1941
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	248576.00

**COORDINATES:**

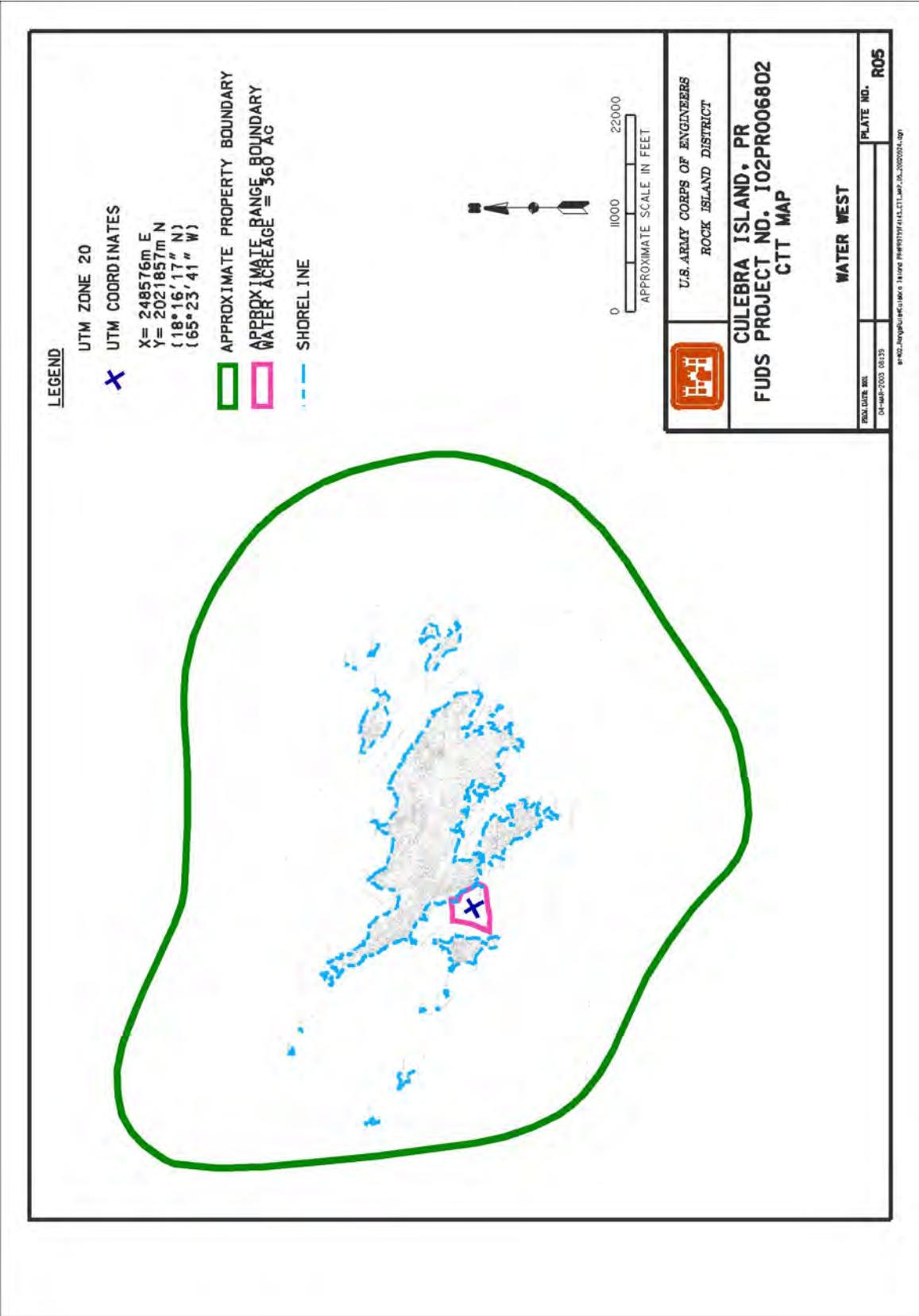
**UTM Y: (meters)**        2021857.00

**UTM ZONE:**                20

**Latitude:**                18° 16' 17" N

**Longitude:**               65° 23' 41" W

RANGE MAP: PR9799F4143\_CTT\_MAP\_05\_20020924.JPG



**MMR AREA NAME:** Water center

**RMIS Range ID:** I02PR006802R06

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
ARTILLERY	1901	1941	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1942	N/A

**ACREAGE:**

<b>Land:</b>	0
<b>Tidal Water:</b>	20
<b>Inland Water:</b>	0
<b>Total:</b>	20
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	20
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19010101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** The underwater UXO is probably a result of artillery firing.

**COMMENTS:** This is one of three areas where a local scuba instructor reported viewing underwater ordnance. Because of the location, this is probably surface-fired and not aerial ordnance

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

<b>MUNITIONS ID</b>	<b>MUNITIONS</b>	<b>USED START DATE</b>	<b>USED END DATE</b>
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	6-inch, HE, Mk II		

**RANGE LAND ACCESS AND RESTRICTIONS:**

<b>RESTRICTION TYPE</b>	<b>RESTRICTION</b>	<b>DESCRIPTION</b>
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

<b>OWNER TYPE</b>	<b>OWNER DESCRIPTION</b>	<b>LEASE</b>	<b>LEASE TERMINATION</b>	<b>REVOCATION OF LAND</b>
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

<b>TYPE</b>	<b>NAME</b>	<b>STATE</b>	<b>COUNTRY</b>
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** FLAT

**VEGETATION:** BARREN OR LOW GRASS

**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	255243.00

**COORDINATES:**

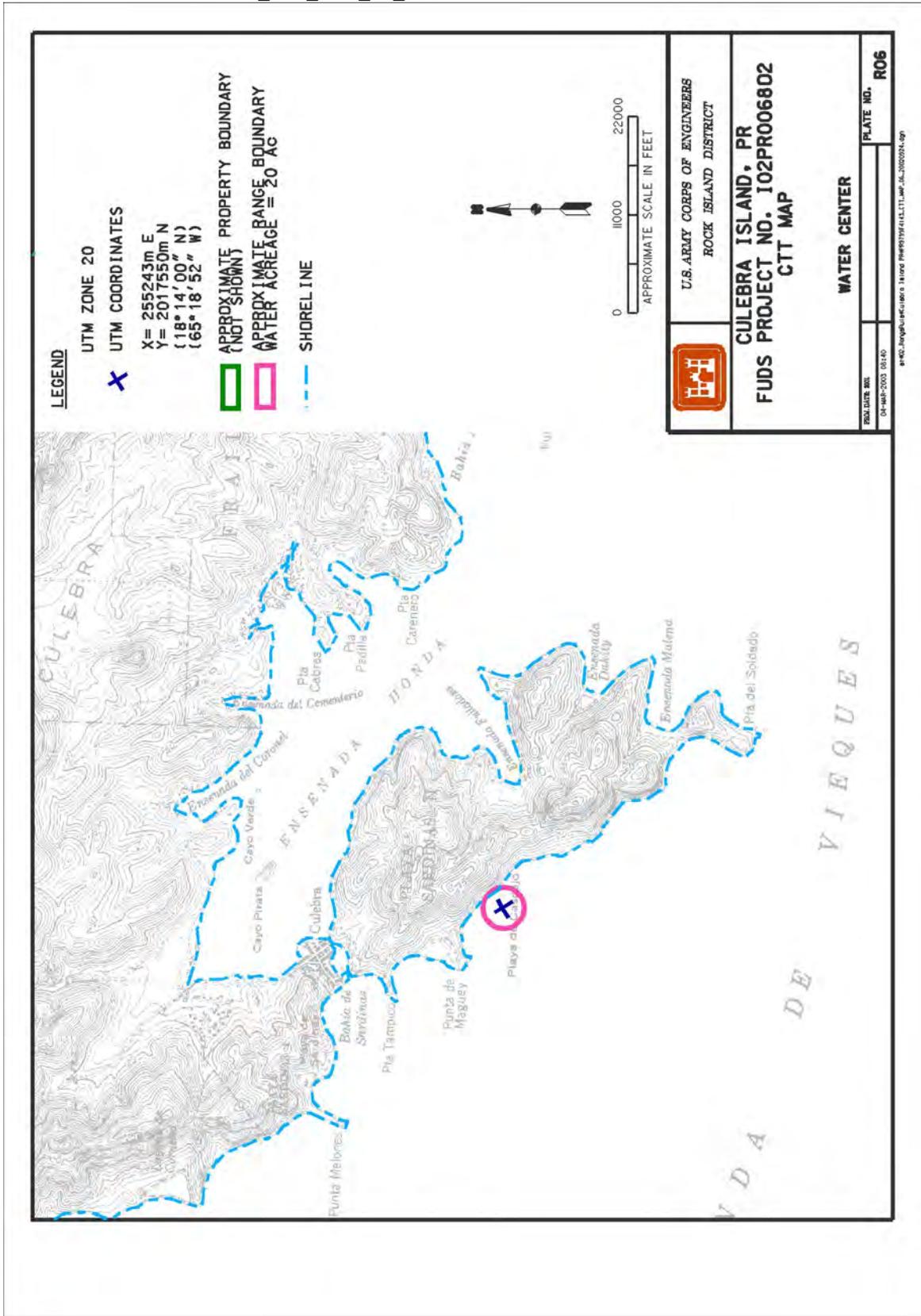
**UTM Y: (meters)**      2017550.00

**UTM ZONE:**                      20

**Latitude:**                      18° 14' 0" N

**Longitude:**                    65° 18' 52" W

RANGE MAP: PR9799F4143\_CTT\_MAP\_06\_20020924.JPG



**MMR AREA NAME:** Water south

**RMIS Range ID:** I02PR006802R07

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
ARTILLERY	1901	1941	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1942	N/A

**ACREAGE:**

<b>Land:</b>	0
<b>Tidal Water:</b>	40
<b>Inland Water:</b>	0
<b>Total:</b>	40
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	40
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19010101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** The underwater UXO is probably a result of artillery firing.

**COMMENTS:** This is one of three areas where a local scuba instructor reported viewing underwater ordnance. Because of the location, this is probably surface-fired and not aerial ordnance.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

<b>MUNITIONS ID</b>	<b>MUNITIONS</b>	<b>USED START DATE</b>	<b>USED END DATE</b>
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	6-inch, HE, Mk II		

**RANGE LAND ACCESS AND RESTRICTIONS:**

<b>RESTRICTION TYPE</b>	<b>RESTRICTION</b>	<b>DESCRIPTION</b>
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

<b>OWNER TYPE</b>	<b>OWNER DESCRIPTION</b>	<b>LEASE</b>	<b>LEASE TERMINATION</b>	<b>REVOCATION OF LAND</b>
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

<b>TYPE</b>	<b>NAME</b>	<b>STATE</b>	<b>COUNTRY</b>
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	FL	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** FLAT

**VEGETATION:** BARREN OR LOW GRASS

**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	258604.00

**COORDINATES:**

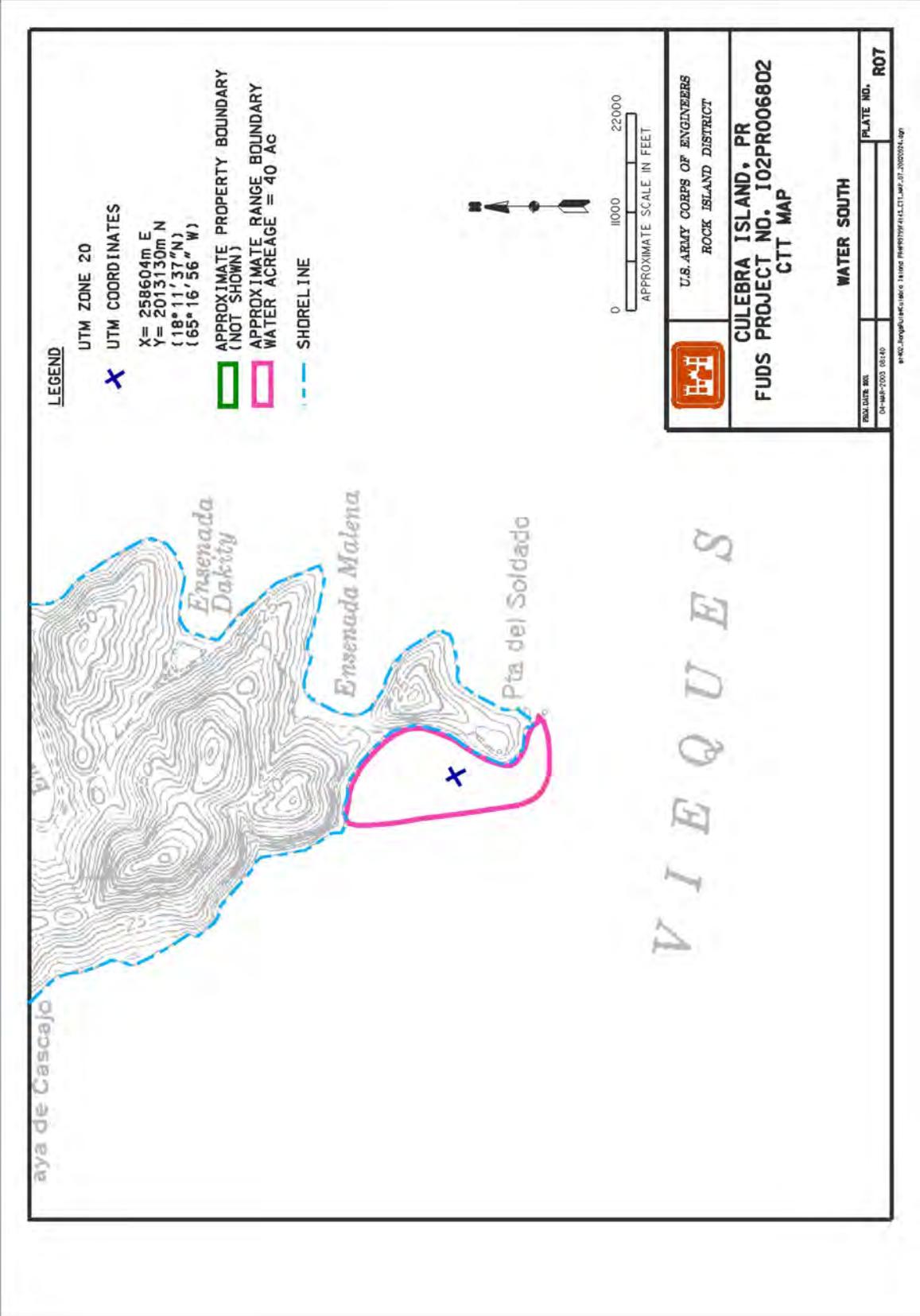
**UTM Y: (meters)** 2013130.00

**UTM ZONE:** 20

**Latitude:** 18° 11' 37" N

**Longitude:** 65° 16' 56" W

RANGE MAP: PR9799F4143\_CTT\_MAP\_07\_20020924.JPG



**MMR AREA NAME:** Range complex east

**RMIS Range ID:** I02PR006802R08

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1965	1970	N/A
R&D	1959	1960	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Recreational	1971	N/A
Undeveloped	1961	N/A

**ACREAGE:**

<b>Land:</b>	1092
<b>Tidal Water:</b>	6170
<b>Inland Water:</b>	0
<b>Total:</b>	7262
<b>Tidal Water with Public Exposure Pathway:</b>	No

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	7262
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	B
<b>RAC Score:</b>	2

**CLASSIFICATION(S):**

Testing  
Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Unrestricted Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19590101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This complex is mostly water, with some small uninhabited islands.

**COMMENTS:** This complex includes three islands that were used for air to ground bombing and rocket firing, one island that as a 20mm strafing range, and another where the sheer rock cliff was a torpedo target.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** Yes - Navy EOD divers reported finding expended practice bombs, a Mk 27 HE torpedo, and 500 lb HE bombs.

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
SMALL ARMS(CTT01)	50 Cal. Machine Gun		
SMALL ARMS(CTT01)	Small Arms, General		
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 82, General Purpose Bomb, 500 lbs		
MEDIUM CALIBER (20MM, 25MM, 30MM), HE(CTT16)	20mm HEI, MKI		
AERIAL ROCKETS (LIVE)(CTT26)	5-inch, Rocket, Zuni		
TORPEDOES/SEA MINES(CTT47)	Torpedo, Gen, Navy		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO
F	US Fish and Wildlife Service		NO	NO
F	US Fish and Wildlife Service		NO	NO
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

<b>TYPE</b>	<b>NAME</b>	<b>STATE</b>	<b>COUNTRY</b>
CO	Culebra	FL	UNITED STATES
CO	Culebra	PR	UNITED STATES
CT	Flamenco Pen	PR	UNITED STATES
CT	Flamenco Pen	PR	UNITED STATES

**SOIL TYPE:** ROCK

**TOPOGRAPHY:** WATER

**VEGETATION:** BARREN OR LOW GRASS

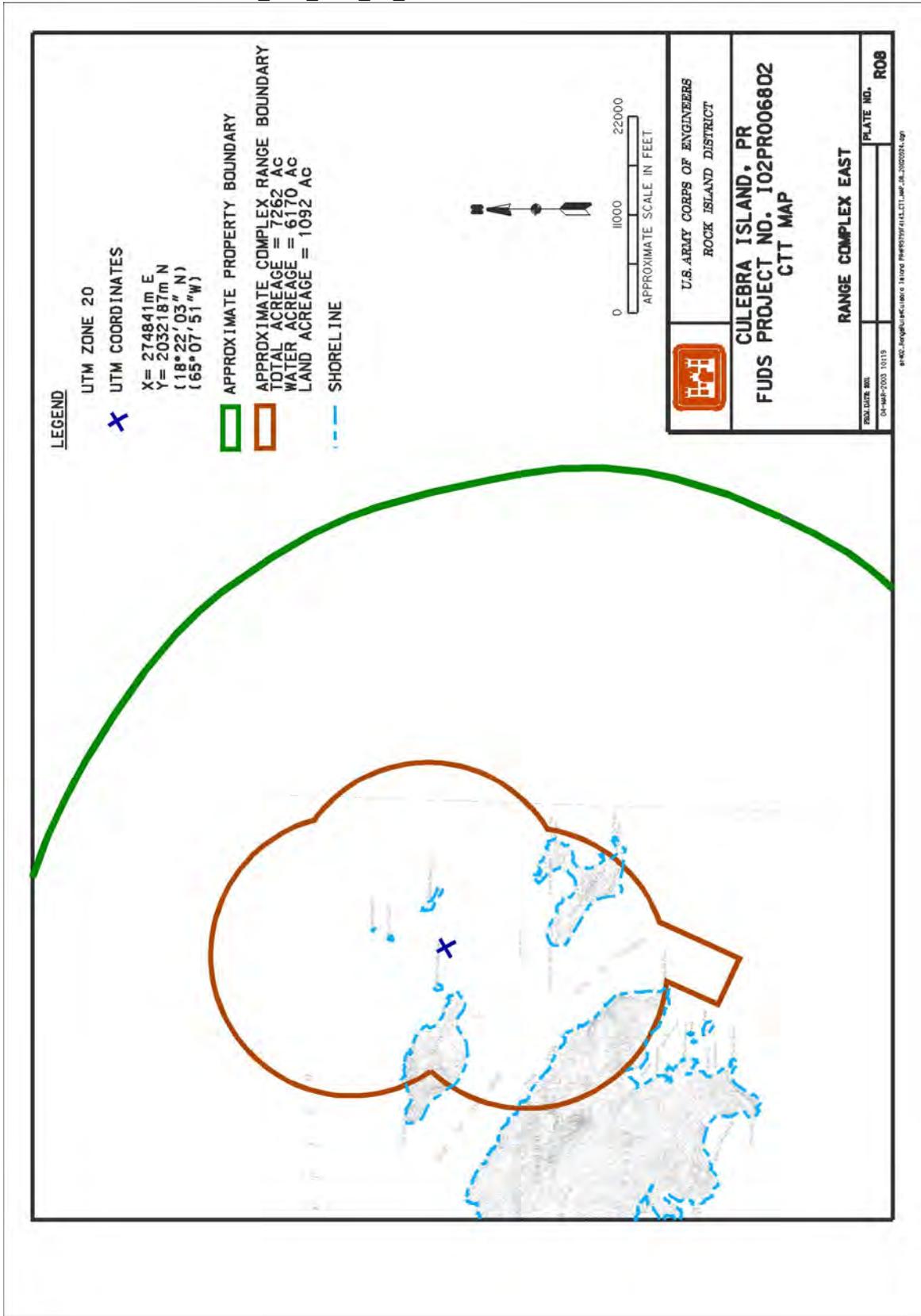
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 278481.00  
**UTM Y: (meters)** 2032187.00  
**UTM ZONE:** 20  
**Latitude:** 18° 22' 3" N  
**Longitude:** 65° 7' 51" W

RANGE MAP: PR9799F4143\_CTT\_MAP\_08\_20020924.JPG



**SUB-RANGE NAME:** Shark Rock  
**Complex Name:** Range complex east

**RMIS Range ID:** I02PR006802R08-SR01

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1965	1970	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1971	N/A

**ACREAGE:**

<b>Land:</b>	220
<b>Tidal Water:</b>	3460
<b>Inland Water:</b>	0
<b>Total:</b>	3680
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	3680
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19650101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This small rock key is uninhabited.

**COMMENTS:** Shark Rock (also knows as Cayo Tiburon) was used an a target for aerial gunnery with bombs and rockets.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No  
Answer

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 82, General Purpose Bomb, 500 lbs		
AERIAL ROCKETS (LIVE)(CTT26)	5-inch, Rocket, Zuni		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** ROCK

**TOPOGRAPHY:** HEAVILY ROLLING

**VEGETATION:** BARREN OR LOW GRASS

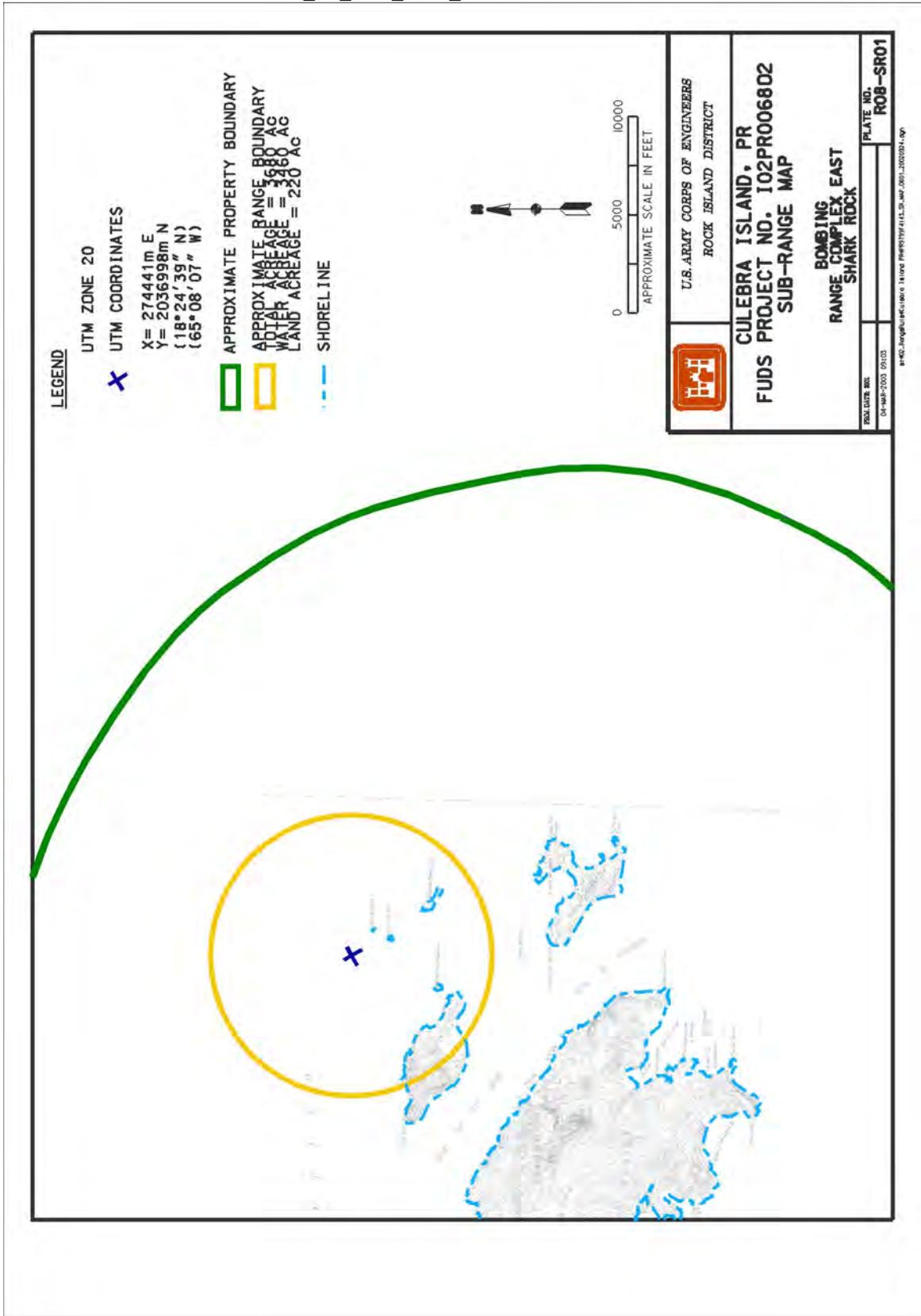
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	NO POTENTIAL
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 274441.00  
**UTM Y: (meters)** 2036998.00  
**UTM ZONE:** 20  
**Latitude:** 18° 24' 39" N  
**Longitude:** 65° 8' 7" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0801\_20020924.JPG



**SUB-RANGE NAME:** Palada Cay  
**Complex Name:** Range complex east

**RMIS Range ID:** I02PR006802R08-SR02

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1965	1970	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1971	N/A

**ACREAGE:**

<b>Land:</b>	221
<b>Tidal Water:</b>	3459
<b>Inland Water:</b>	0
<b>Total:</b>	3680
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	3680
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19650101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** These uninhabited, rocky keys are surrounded by water.

**COMMENTS:** Palada Cay (also known as Cayo Geniqui) consists of two small adjacent keys that were used for aerial bombing and rocket firing. These rocky keys are uninhabited.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 82, General Purpose Bomb, 500 lbs		
AERIAL ROCKETS (LIVE)(CTT26)	5-inch, Rocket, Zuni		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** ROCK

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** BARREN OR LOW GRASS

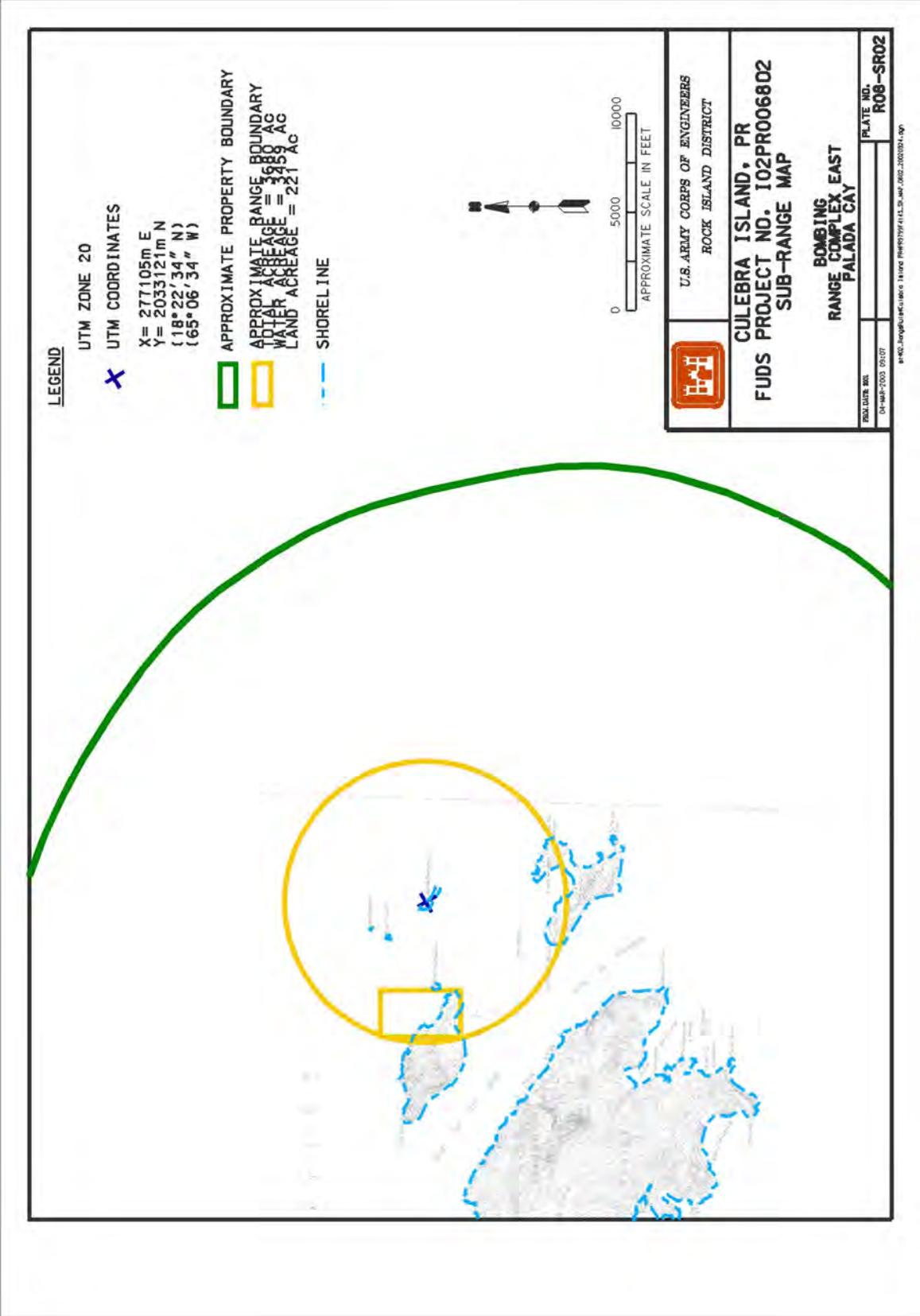
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 277105.00  
**UTM Y: (meters)** 2033121.00  
**UTM ZONE:** 20  
**Latitude:** 18° 22' 34" N  
**Longitude:** 65° 6' 34" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0802\_20020924.JPG



**SUB-RANGE NAME:** Ladrone Cay  
**Complex Name:** Range complex east

**RMIS Range ID:** I02PR006802R08-SR03

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1965	1970	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1976	N/A

**ACREAGE:**

<b>Land:</b>	1071
<b>Tidal Water:</b>	2609
<b>Inland Water:</b>	0
<b>Total:</b>	3680
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	3680
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	B
<b>RAC Score:</b>	2

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19650101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This uninhabited key is surrounded by water.

**COMMENTS:** This site (also known as Cayo Botella) was used as an aerial bombing and rocket target. This uninhabited key belongs to the Fish and Wildlife Service. The ASR team observed expended practice bombs and fragments from HE bombs.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 82, General Purpose Bomb, 500 lbs		
AERIAL ROCKETS (LIVE)(CTT26)	5-inch, Rocket, Zuni		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	FL	UNITED STATES

**SOIL TYPE:** ROCK

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** BARREN OR LOW GRASS

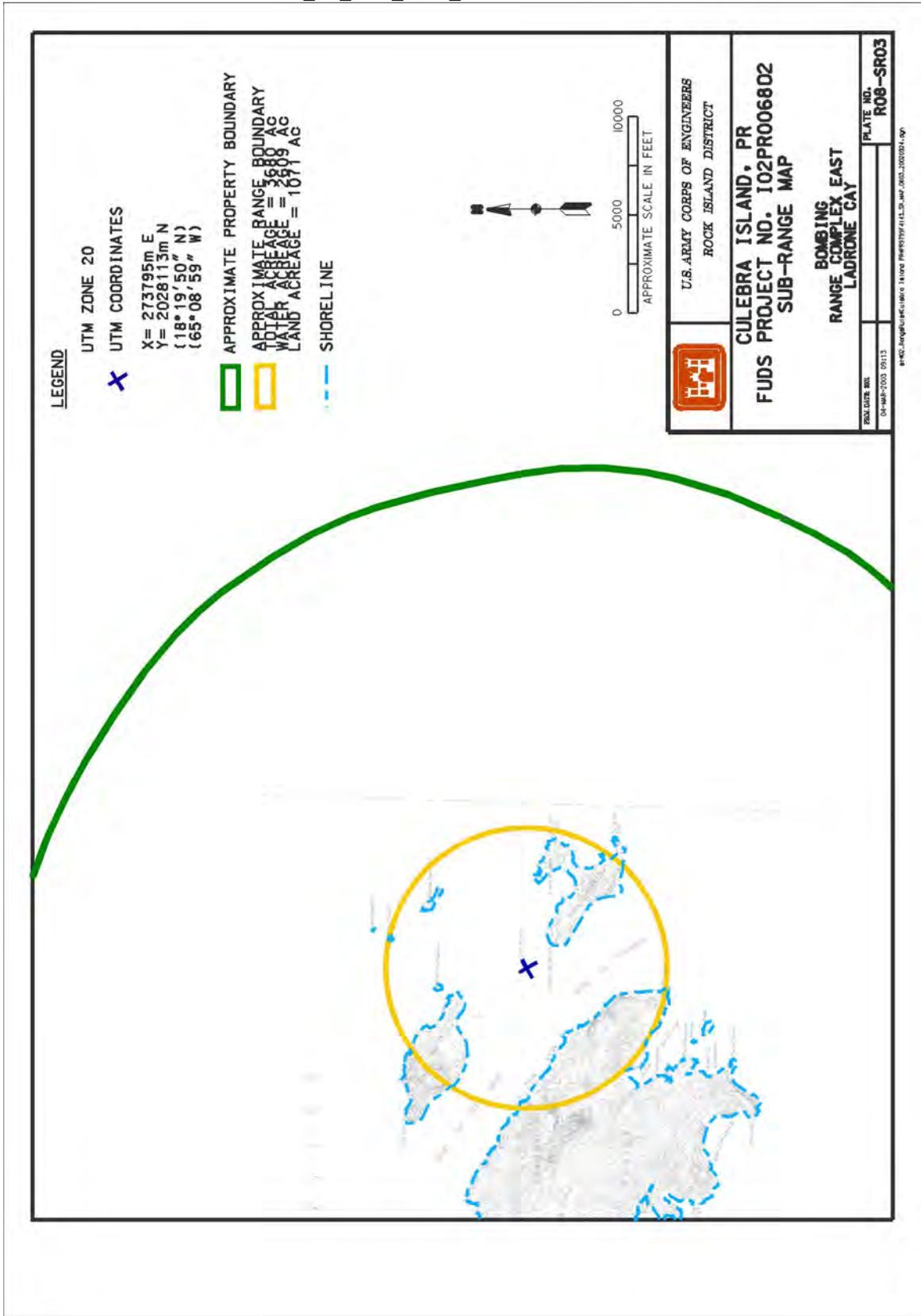
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 273795.00  
**UTM Y: (meters)** 2028113.00  
**UTM ZONE:** 20  
**Latitude:** 18° 19' 50" N  
**Longitude:** 65° 8' 59" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0803\_20020924.JPG



**SUB-RANGE NAME:** Culebrita strafing range  
**Complex Name:** Range complex east

**RMIS Range ID:** I02PR006802R08-SR04

**HISTORIC USE:**

HISTORIC USE	START YEAR	END YEAR	COMMENTS
AIR-TO-GROUND	1965	1970	N/A

**CURRENT USE:**

CURRENT USE	START YEAR	COMMENTS
Undeveloped	1971	N/A
Recreational	1971	N/A

**ACREAGE:**

<b>Land:</b>	93
<b>Tidal Water:</b>	547
<b>Inland Water:</b>	0
<b>Total:</b>	640
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	640
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19650101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This fairly large, uninhabited island is owned by the Fish and Wildlife Service. North Bay is a popular recreational beach for boaters.

**COMMENTS:** This was a strafing range with cloth panel targets and a manned spotting tower. North Bay is a popular recreational beach for boaters.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No  
 Answer

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
SMALL ARMS(CTT01)	Small Arms, General		
SMALL ARMS(CTT01)	50 Cal. Machine Gun		
MEDIUM CALIBER (20MM, 25MM, 30MM), HE(CTT16)	20mm HEI, MKI		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** SAND-SILT/SAND-CLAY

**TOPOGRAPHY:** GENTLY ROLLING

**VEGETATION:** LOW GRASS AND FEW SHRUBS

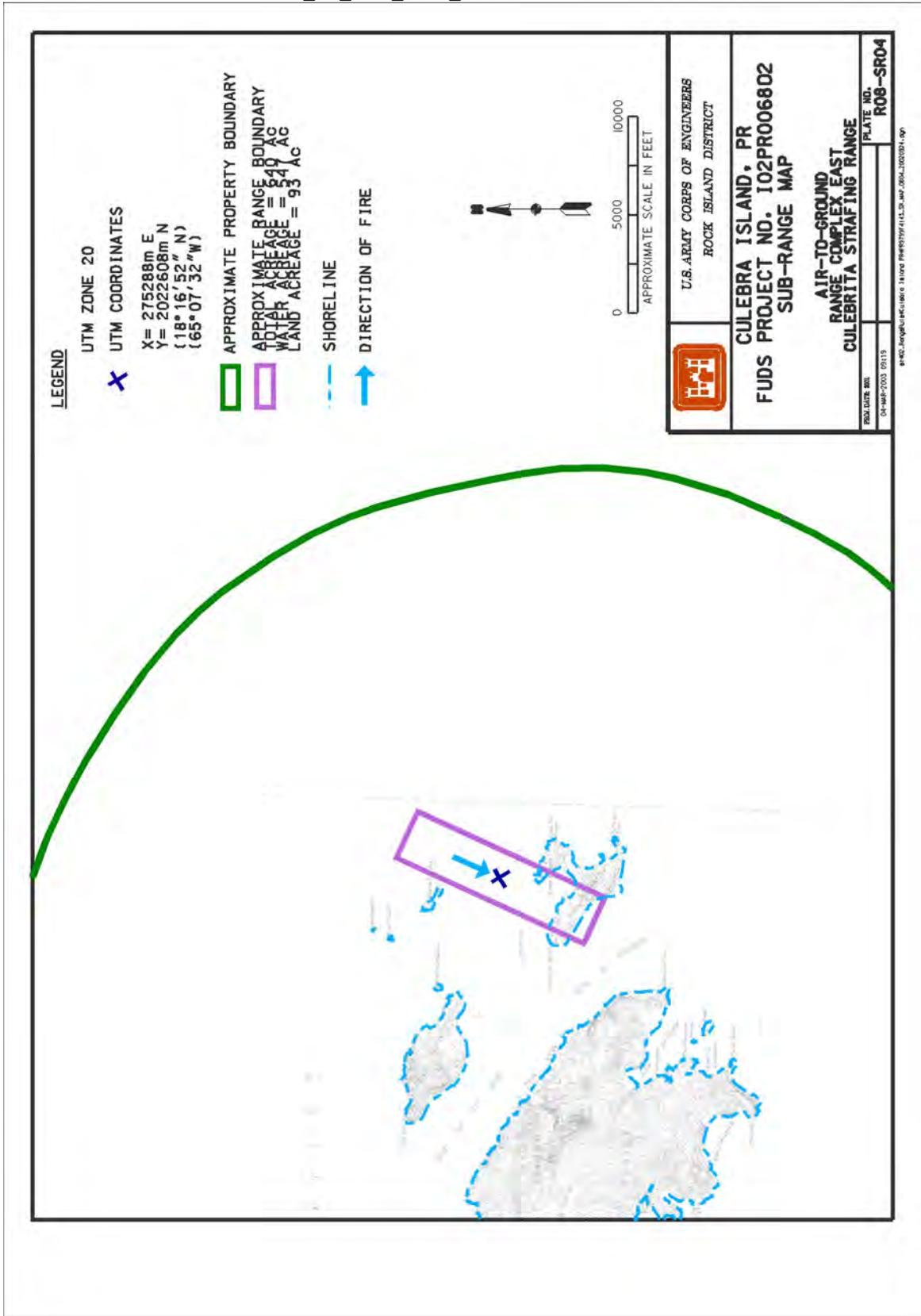
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	275288.00
<b>UTM Y: (meters)</b>	2022608.00
<b>UTM ZONE:</b>	20
<b>Latitude:</b>	18° 16' 52" N
<b>Longitude:</b>	65° 7' 32" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0804\_20020924.JPG



**SUB-RANGE NAME:** Culebrita torpedo range  
**Complex Name:** Range complex east

**RMIS Range ID:** I02PR006802R08-SR05

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
R&D	1959	1960	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1961	N/A

**ACREAGE:**

<b>Land:</b>	0
<b>Tidal Water:</b>	789
<b>Inland Water:</b>	0
<b>Total:</b>	789
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	789
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Testing  
Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19590101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** Submarines used this water range to fire torpedoes at the sheer cliff.

**COMMENTS:** This water range was used to test HE torpedoes fired from submarines about 100 yards away.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** Yes - Yes. Navy divers reported finding a Mk 27 HE torpedo east of Cayos Geniqui in in Jan 1983.

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
TORPEDOES/SEA MINES(CTT47)	Torpedo, Gen, Navy		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CO	Culebra	PR	UNITED STATES
CT	Flamenco Pen	PR	UNITED STATES

**SOIL TYPE:** ROCK

**TOPOGRAPHY:** WATER

**VEGETATION:** BARREN OR LOW GRASS

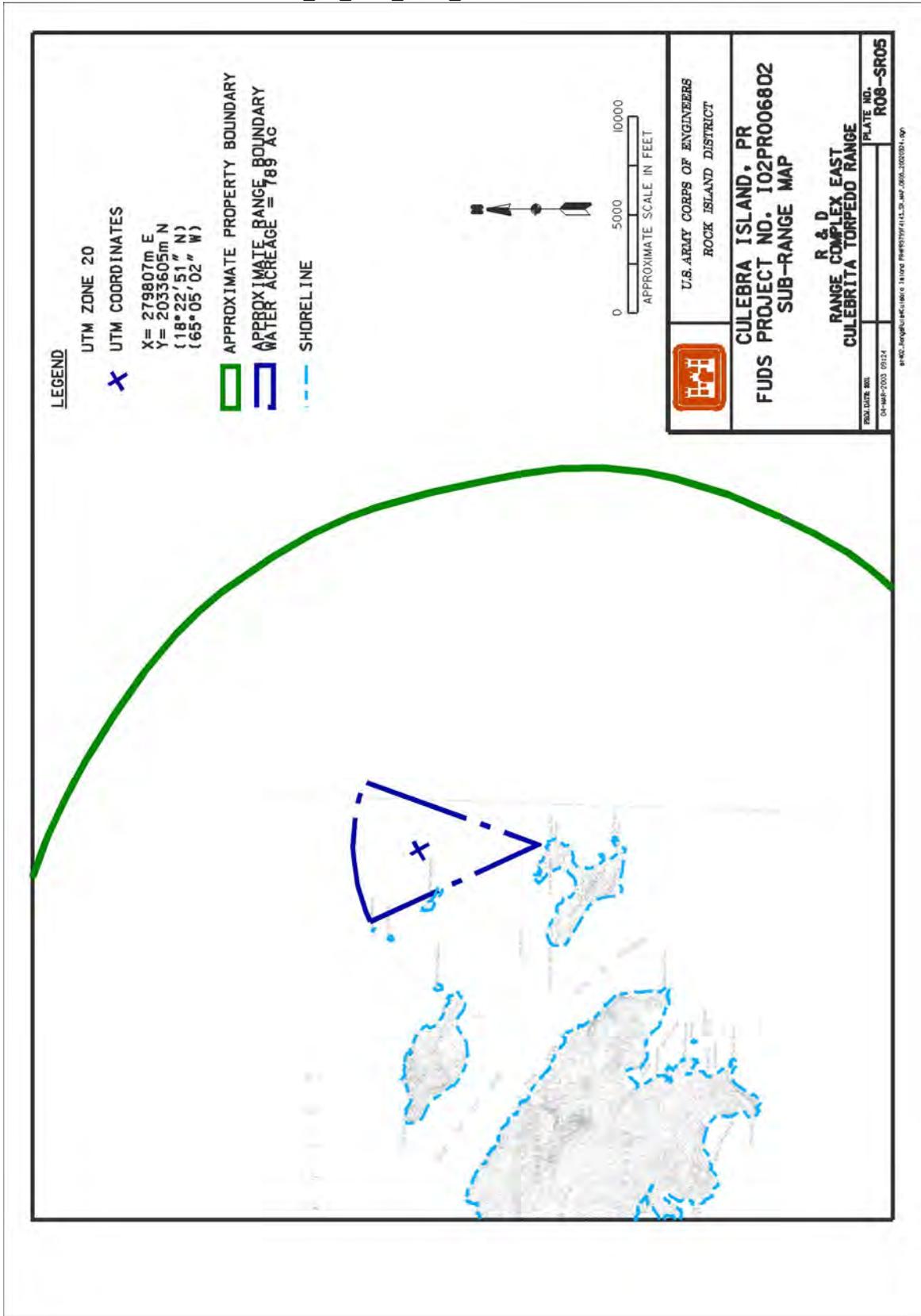
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 279807.00  
**UTM Y: (meters)** 2033605.00  
**UTM ZONE:** 20  
**Latitude:** 18° 22' 51" N  
**Longitude:** 65° 5' 2" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0805\_20020924.JPG



**MMR AREA NAME:** Range complex west

**RMIS Range ID:** I02PR006802R09

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1942	1975	N/A
ARTILLERY	1936	1975	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Agricultural w/o housing	1976	N/A
Open Water	1976	N/A
Recreational	1976	N/A
Undeveloped	1976	N/A

**ACREAGE:**

<b>Land:</b>	1732
<b>Tidal Water:</b>	20320
<b>Inland Water:</b>	0
<b>Total:</b>	22052
<b>Tidal Water with Public Exposure Pathway:</b>	No

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	22052
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	A
<b>RAC Score:</b>	1

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Unrestricted Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19360101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This complex is mostly open water, but includes some rocky keys, small islands, and the Flamenco Peninsula.

**COMMENTS:** While this complex is mostly water, it includes many small, rocky keys that were targets for aerial bombing and rocket firing. It also includes the Flamenco Peninsula, which was a naval gunfire and aerial target.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

<b>MUNITIONS ID</b>	<b>MUNITIONS</b>	<b>USED START DATE</b>	<b>USED END DATE</b>
SMALL ARMS(CTT01)	50 Cal. Machine Gun		
SMALL ARMS(CTT01)	Small Arms, General		
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 81 Mk 82 Mk 83 Mk 84, GP		
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 82, General Purpose Bomb, 500 lbs		
MEDIUM CALIBER (20MM, 25MM, 30MM), HE(CTT16)	20mm HEI, MKI		
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	105mm, HE, M1		
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	16-inch, AP, Mk 5		
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	8-inch, AP, Mk 21		
AERIAL ROCKETS (LIVE)(CTT26)	2.75-inch, Rockets General		
AERIAL ROCKETS (LIVE)(CTT26)	5-inch, Rocket, Zuni		
AERIAL ROCKETS (LIVE)(CTT26)	Rocket, 11.75-inch, Tiny Tim, Mk 1 Mod 0		
AERIAL ROCKETS (PRACTICE)(CTT28)	5-inch, Practice Rocket, Mk 8		

**RANGE LAND ACCESS AND RESTRICTIONS:**

<b>RESTRICTION TYPE</b>	<b>RESTRICTION</b>	<b>DESCRIPTION</b>
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO
F	US Fish and Wildlife Service		NO	NO
O	Numerous private owners		NO	NO
O	Private owners.		NO	NO
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CO	Culebra	PR	UNITED STATES
CT	Flamenco Pen	PR	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** BARREN OR LOW GRASS

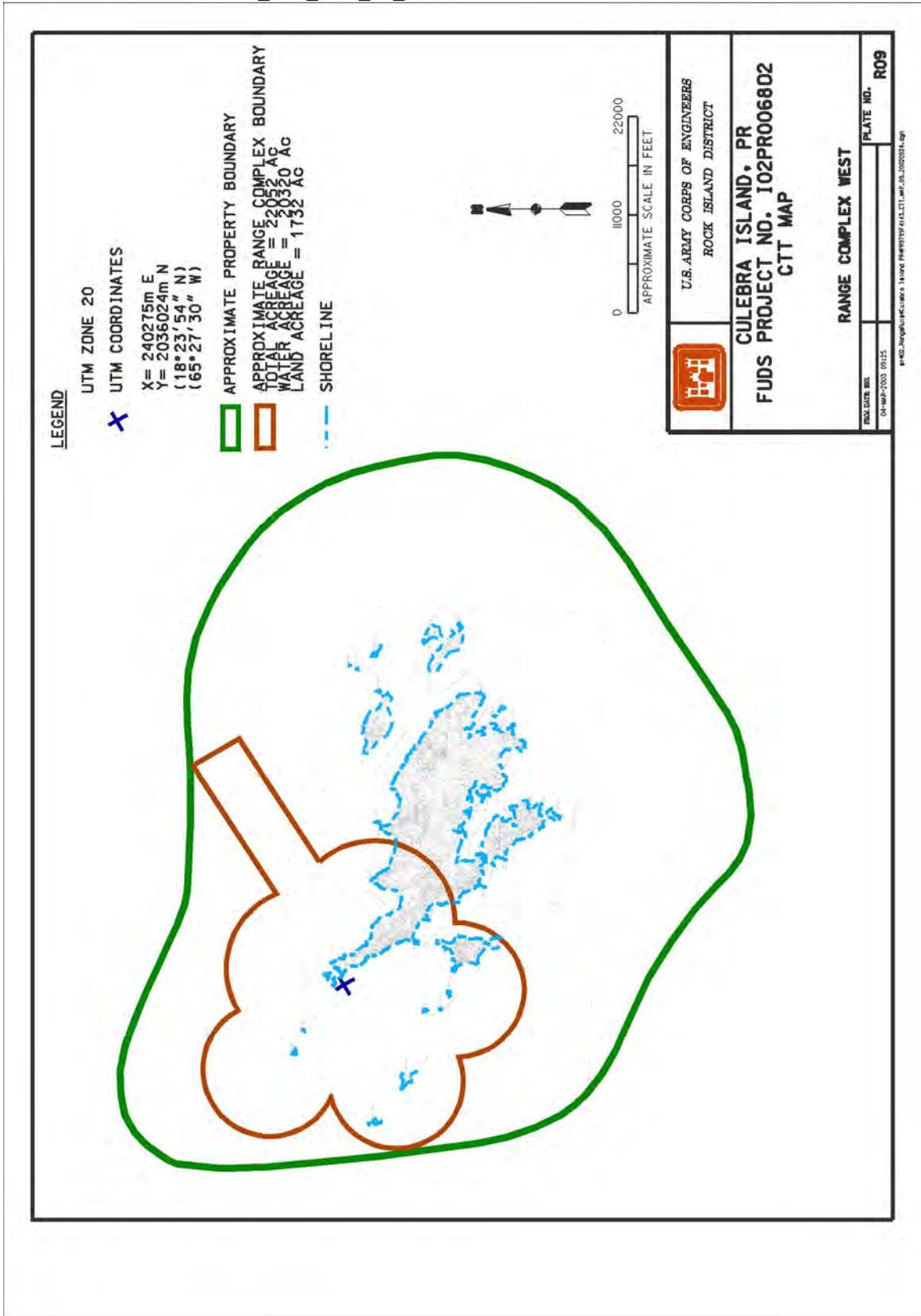
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	240275.00
<b>UTM Y: (meters)</b>	2036024.00
<b>UTM ZONE:</b>	20
<b>Latitude:</b>	18° 23' 54" N
<b>Longitude:</b>	65° 27' 30" W

RANGE MAP: PR9799F4143\_CTT\_MAP\_09\_20020924.JPG



**SUB-RANGE NAME:** Naval gunfire target area  
**Complex Name:** Range complex west

**RMIS Range ID:** I02PR006802R09-SR01

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1942	1975	N/A
ARTILLERY	1936	1975	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Recreational	1976	N/A
Undeveloped	1976	N/A
Agricultural w/o housing	1976	N/A

**ACREAGE:**

<b>Land:</b>	298
<b>Tidal Water:</b>	4013
<b>Inland Water:</b>	0
<b>Total:</b>	4311
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	4311
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	A
<b>RAC Score:</b>	1

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Unrestricted Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19360101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This is the impact area for naval ship bombardment and aerial bombing.

**COMMENTS:** This was a naval gunfire and air-to-ground target.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
SMALL ARMS(CTT01)	Small Arms, General		
SMALL ARMS(CTT01)	50 Cal. Machine Gun		
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 81 Mk 82 Mk 83 Mk 84, GP		
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	105mm, HE, M1		
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	8-inch, AP, Mk 21		
LARGE CALIBER (37MM AND LARGER), HE(CTT18)	16-inch, AP, Mk 5		
AERIAL ROCKETS (LIVE)(CTT26)	2.75-inch, Rockets General		
AERIAL ROCKETS (LIVE)(CTT26)	Rocket, 11.75-inch, Tiny Tim, Mk 1 Mod 0		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
O	Numerous private owners		NO	NO
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES

CO    Culebra            PR    UNITED STATES

**SOIL TYPE:** SAND-SILT/SAND-CLAY

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** HEAVY SHRUBS WITH TREES

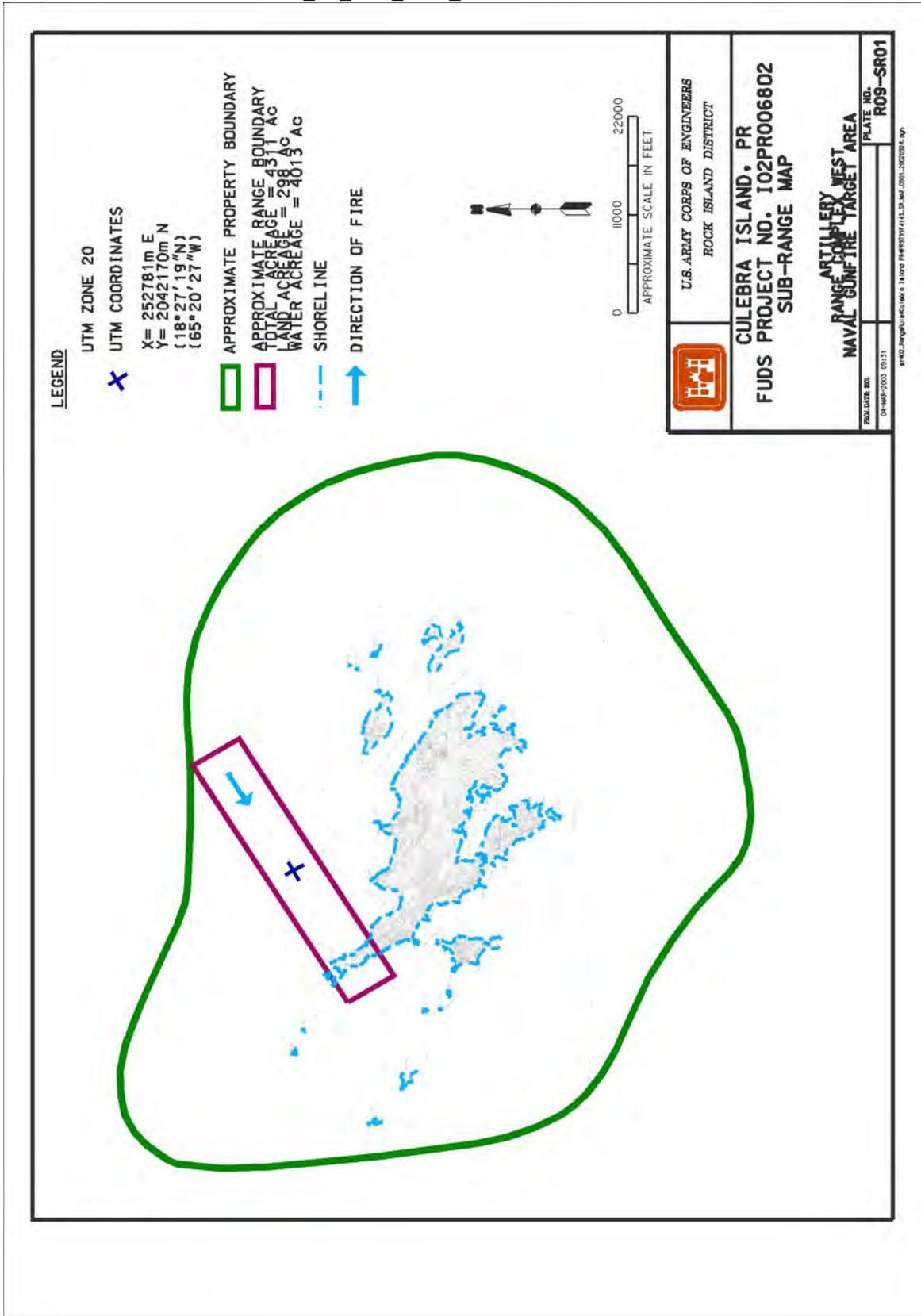
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	252781.00
<b>UTM Y: (meters)</b>	2042170.00
<b>UTM ZONE:</b>	20
<b>Latitude:</b>	18° 27' 19" N
<b>Longitude:</b>	65° 20' 27" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0901\_20020924.JPG



**SUB-RANGE NAME:** Twin Rocks  
**Complex Name:** Range complex west

**RMIS Range ID:** I02PR006802R09-SR02

**HISTORIC USE:**

HISTORIC USE	START YEAR	END YEAR	COMMENTS
AIR-TO-GROUND	1942	1975	N/A

**CURRENT USE:**

CURRENT USE	START YEAR	COMMENTS
Undeveloped	1976	N/A

**ACREAGE:**

Land:	1
Tidal Water:	4043
Inland Water:	0
Total:	4044
Tidal Water with Public Exposure Pathway:	Yes

**MMR ACREAGE:**

Identified:	0
Suspected:	4044
Not Suspected:	0

**RISK ASSESSMENT CODE:**

Hazard Severity:	II
Hazard Probability:	E
RAC Score:	4 <i>(RAC OVERRIDE: Low Severity)</i>

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19420101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** These two tiny keys are owned by Fish and Wildlife.

**COMMENTS:** This site (also known as Los Gemelos) is two tiny rocks which served as targets for aerial bombs and rockets.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 81 Mk 82 Mk 83 Mk 84, GP		
AERIAL ROCKETS (LIVE)(CTT26)	5-inch, Rocket, Zuni		
AERIAL ROCKETS (PRACTICE)(CTT28)	5-inch, Practice Rocket, Mk 8		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** ROCK

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** BARREN OR LOW GRASS

**GROUNDWATER**

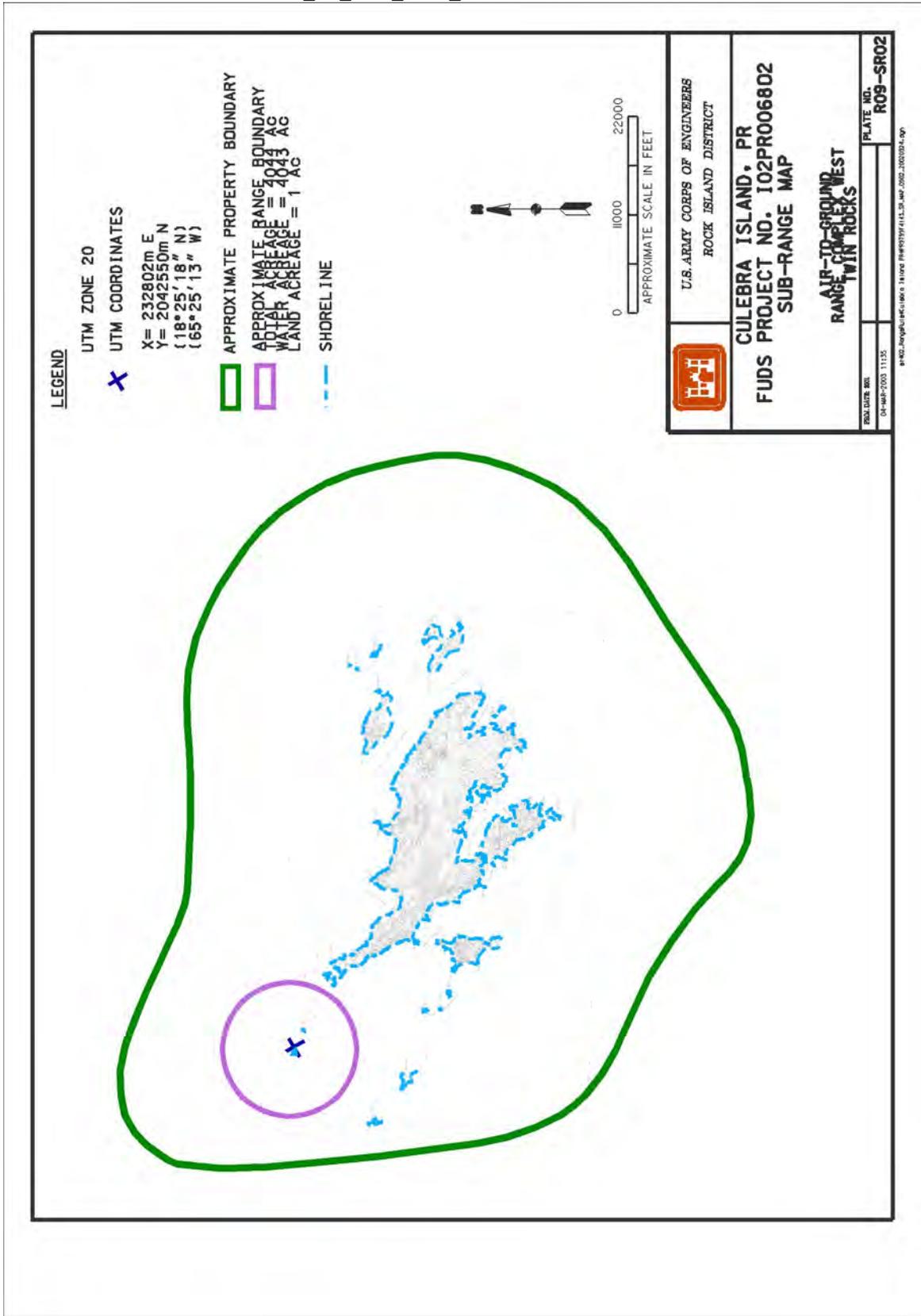
<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	No POTENTIAL

**RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS UNKNOWN**

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 232802.00  
**UTM Y: (meters)** 2042550.00  
**UTM ZONE:** 20  
**Latitude:** 18° 25' 18" N  
**Longitude:** 65° 25' 13" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0902\_20020924.JPG



**SUB-RANGE NAME:** Fungy Bowl  
**Complex Name:** Range complex west

**RMIS Range ID:** I02PR006802R09-SR03

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1942	1975	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1976	N/A

**ACREAGE:**

<b>Land:</b>	1
<b>Tidal Water:</b>	4043
<b>Inland Water:</b>	0
<b>Total:</b>	4044
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	4044
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19420101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This uninhabited rock is owned by the Fish and Wildlife Service.

**COMMENTS:** This site (also known as Alcarazza) is large rock which served as a target for aerial bombs and rockets.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

<b>MUNITIONS ID</b>	<b>MUNITIONS</b>	<b>USED START DATE</b>	<b>USED END DATE</b>
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 81 Mk 82 Mk 83 Mk 84, GP		
AERIAL ROCKETS (LIVE)(CTT26)	5-inch, Rocket, Zuni		

**RANGE LAND ACCESS AND RESTRICTIONS:**

<b>RESTRICTION TYPE</b>	<b>RESTRICTION</b>	<b>DESCRIPTION</b>
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

<b>OWNER TYPE</b>	<b>OWNER DESCRIPTION</b>	<b>LEASE</b>	<b>LEASE TERMINATION</b>	<b>REVOCATION OF LAND</b>
F	US Fish and Wildlife Service		NO	NO

**RANGE DEMOGRAPHICS:**

<b>TYPE</b>	<b>NAME</b>	<b>STATE</b>	<b>COUNTRY</b>
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** ROCK

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** BARREN OR LOW GRASS

**GROUNDWATER**

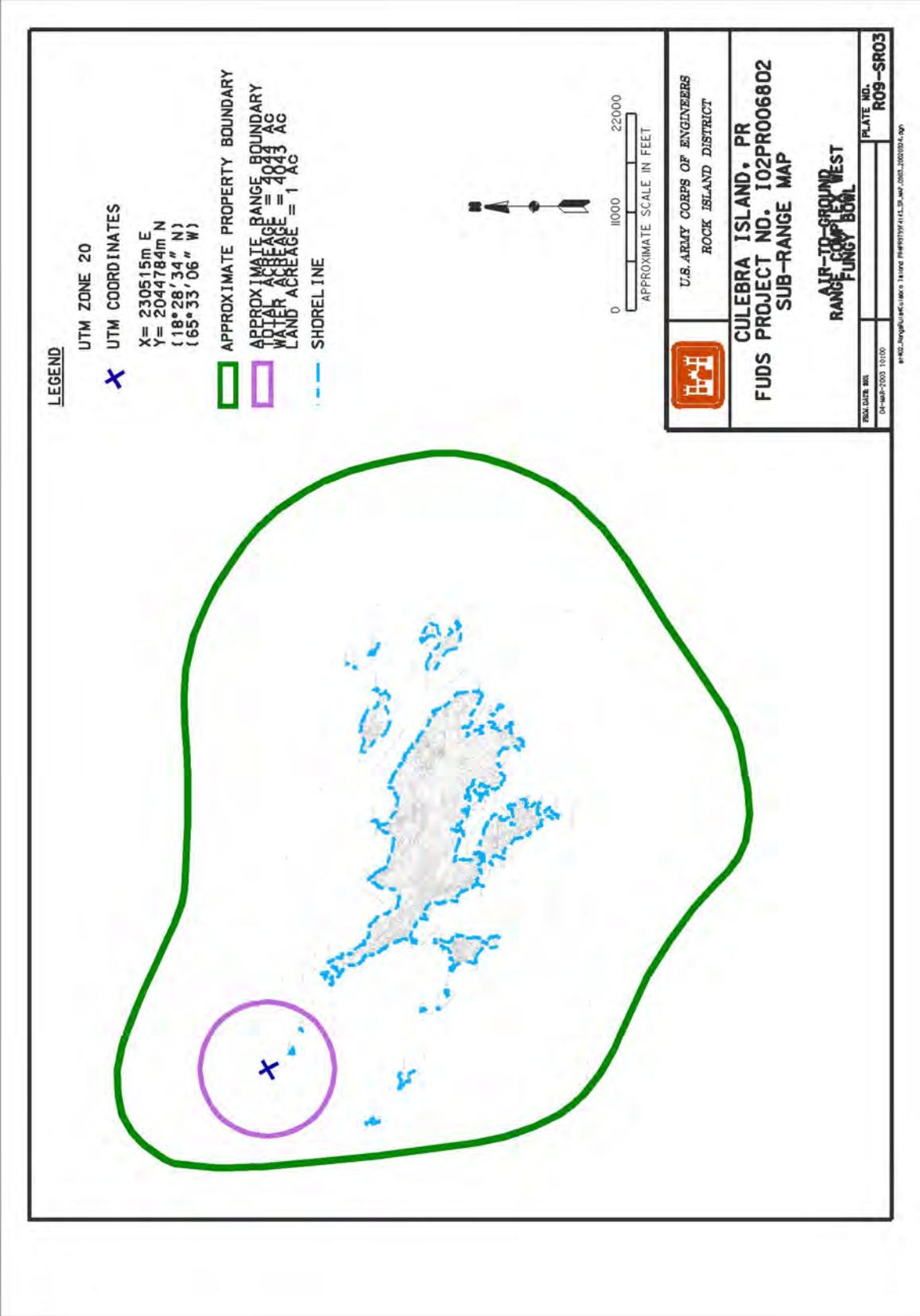
<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	NO POTENTIAL
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 230515.00  
**UTM Y: (meters)** 2044784.00  
**UTM ZONE:** 20  
**Latitude:** 18° 28' 37" N  
**Longitude:** 65° 33' 6" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0903\_20020924.JPG



**SUB-RANGE NAME:** Cross Cay  
**Complex Name:** Range complex west

**RMIS Range ID:** I02PR006802R09-SR04

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1942	1975	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1976	N/A

**ACREAGE:**

<b>Land:</b>	1
<b>Tidal Water:</b>	4043
<b>Inland Water:</b>	0
<b>Total:</b>	4044
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	4044
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	D
<b>RAC Score:</b>	4

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19420101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This uninhabited island was an air to ground range and is now owned by the US Fish and Wildlife Service.

**COMMENTS:** This site (also known as Cayo Lobo) is an uninhabited, grassy island, much larger than the rocky keys. Reocrds indidcate that a strafing range was on this island.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
SMALL ARMS(CTT01)	Small Arms, General		
SMALL ARMS(CTT01)	50 Cal. Machine Gun		
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 81 Mk 82 Mk 83 Mk 84, GP		
MEDIUM CALIBER (20MM, 25MM, 30MM), HE(CTT16)	20mm HEI, MKI		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** FLAT

**VEGETATION:** BARREN OR LOW GRASS

**GROUNDWATER**

**AVG DEPTH (IN FEET)** NOT SPECIFIED

**DRINKING WATER SUPPLY**

No POTENTIAL

**RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS**

UNKNOWN

**COORDINATES:**

**DATUM:** NAD83

**UTM X: (meters)** 229184.00

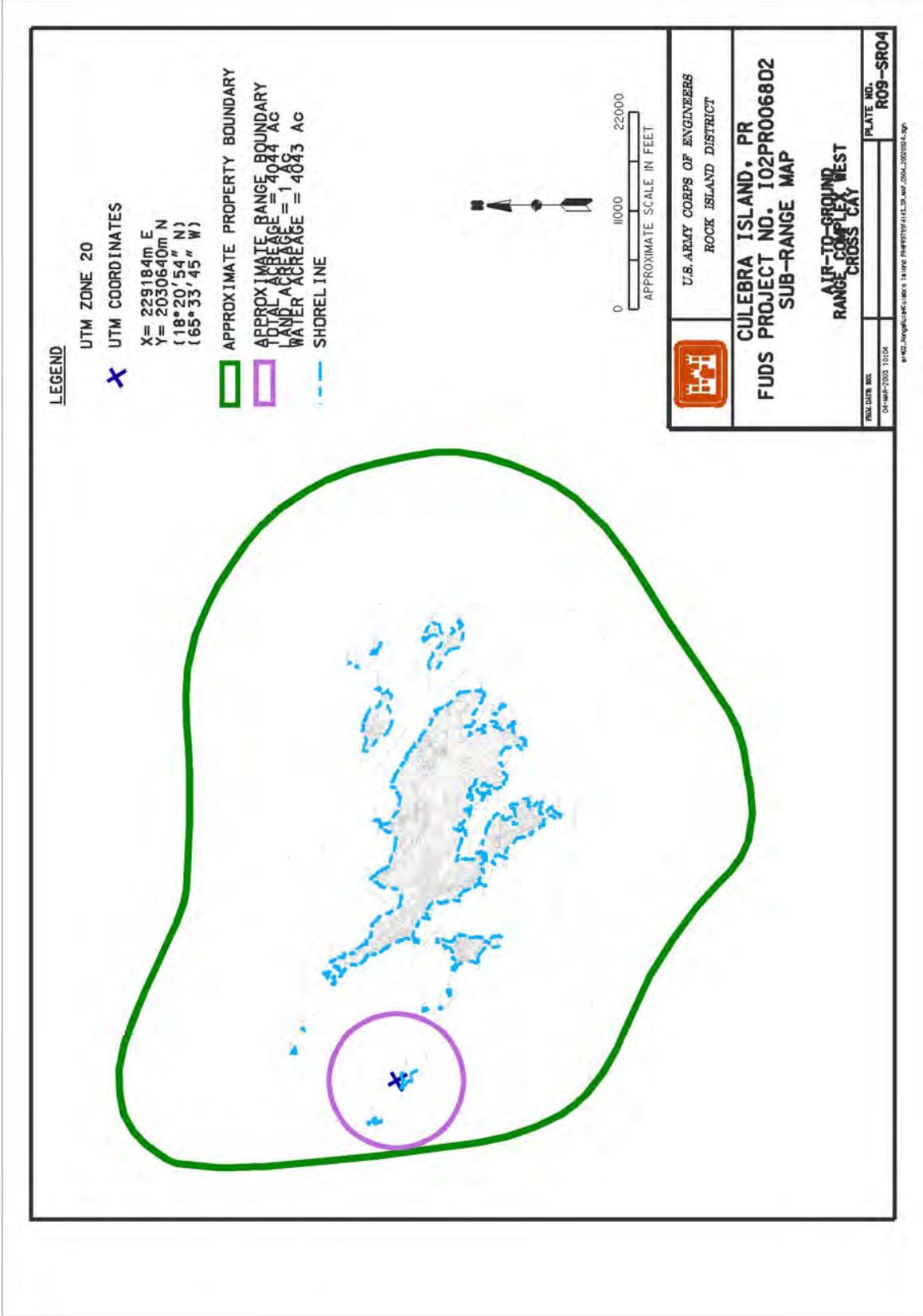
**UTM Y: (meters)** 2030640.00

**UTM ZONE:** 20

**Latitude:** 18° 20' 54" N

**Longitude:** 65° 33' 45" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0904\_20020924.JPG



**SUB-RANGE NAME:** Agua Cay  
**Complex Name:** Range complex west

**RMIS Range ID:** I02PR006802R09-SR05

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1942	1975	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1976	N/A

**ACREAGE:**

<b>Land:</b>	470
<b>Tidal Water:</b>	3574
<b>Inland Water:</b>	0
<b>Total:</b>	4044
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	4044
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	C
<b>RAC Score:</b>	3

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19420101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This remote key is surrounded by water and owned by the US Fish and Wildlife Service.

**COMMENTS:** This small uninhabited key (also known as Water Key) was used for aircraft bombing and rocket fire. The ASR team found HE bomb fragments.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 81 Mk 82 Mk 83 Mk 84, GP		
AERIAL ROCKETS (LIVE)(CTT26)	2.75-inch, Rockets General		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** GRAVEL/GRAVEL-SAND

**TOPOGRAPHY:** GENTLY ROLLING

**VEGETATION:** BARREN OR LOW GRASS

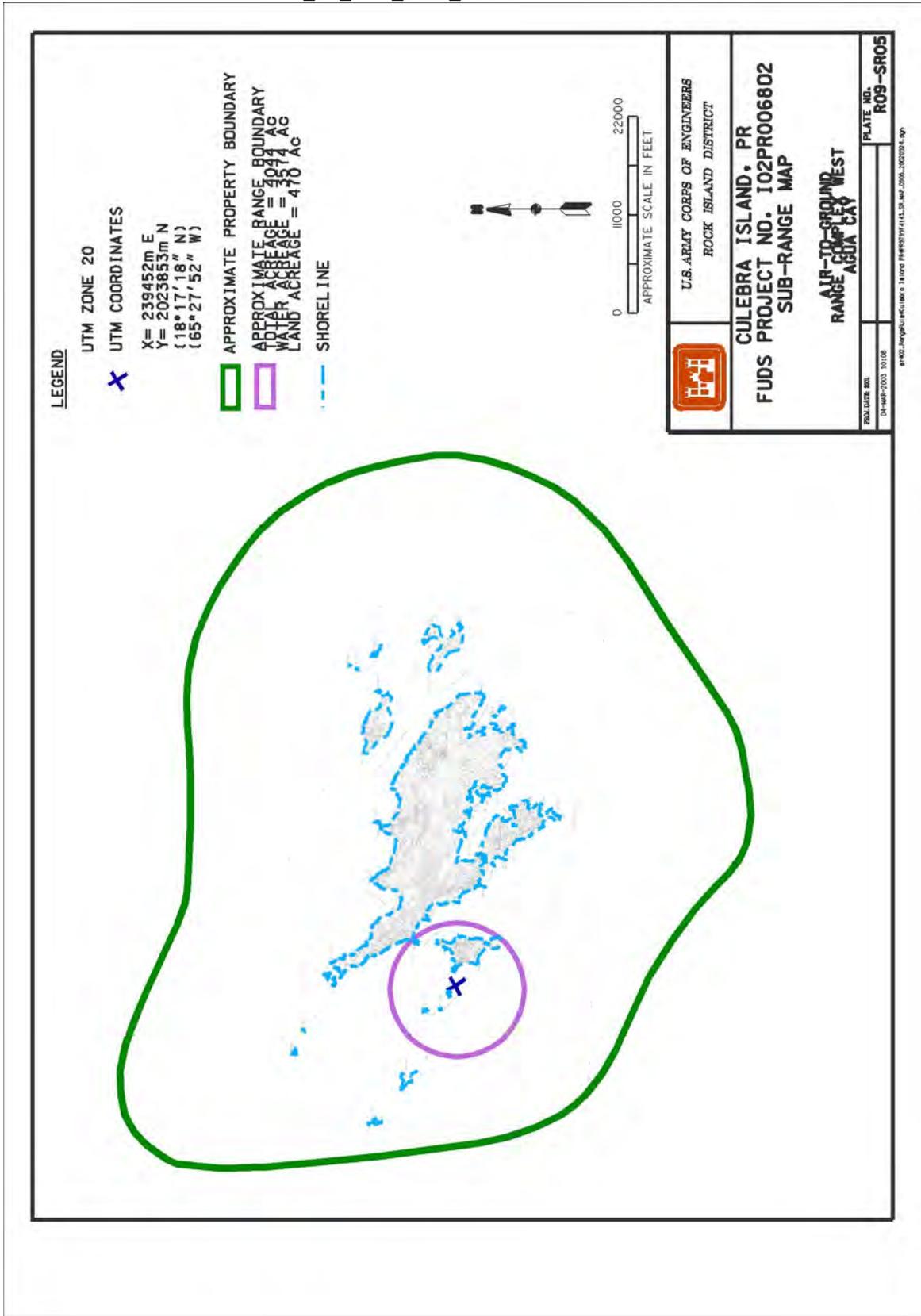
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	NO POTENTIAL
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

**DATUM:** NAD83  
**UTM X: (meters)** 239452.00  
**UTM Y: (meters)** 2023853.00  
**UTM ZONE:** 20  
**Latitude:** 18° 17' 18" N  
**Longitude:** 65° 27' 52" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0905\_20020924.JPG



**SUB-RANGE NAME:** Air to ground north  
**Complex Name:** Range complex west

**RMIS Range ID:** I02PR006802R09-SR06

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1942	1975	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1976	N/A
Open Water	1976	N/A
Agricultural w/o housing	1976	N/A

**ACREAGE:**

<b>Land:</b>	339
<b>Tidal Water:</b>	5578
<b>Inland Water:</b>	0
<b>Total:</b>	5917
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	5917
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	B
<b>RAC Score:</b>	2

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Limited Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19410101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This range is on uninhabited land owned by Fish and Wildlife, It also includes the surrounding water.

**COMMENTS:** This was an air to ground range located on the northern part of Flamenco Peninsula. There may be UXO from naval gunfire found here as well.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
SMALL ARMS(CTT01)	Small Arms, General		
SMALL ARMS(CTT01)	50 Cal. Machine Gun		
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 82, General Purpose Bomb, 500 lbs		
AERIAL ROCKETS (LIVE)(CTT26)	2.75-inch, Rockets General		
AERIAL ROCKETS (LIVE)(CTT26)	Rocket, 11.75-inch, Tiny Tim, Mk 1 Mod 0		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	Description is not on file
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO
S	Department of Natural Resources		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** HEAVY SHRUBS WITH TREES

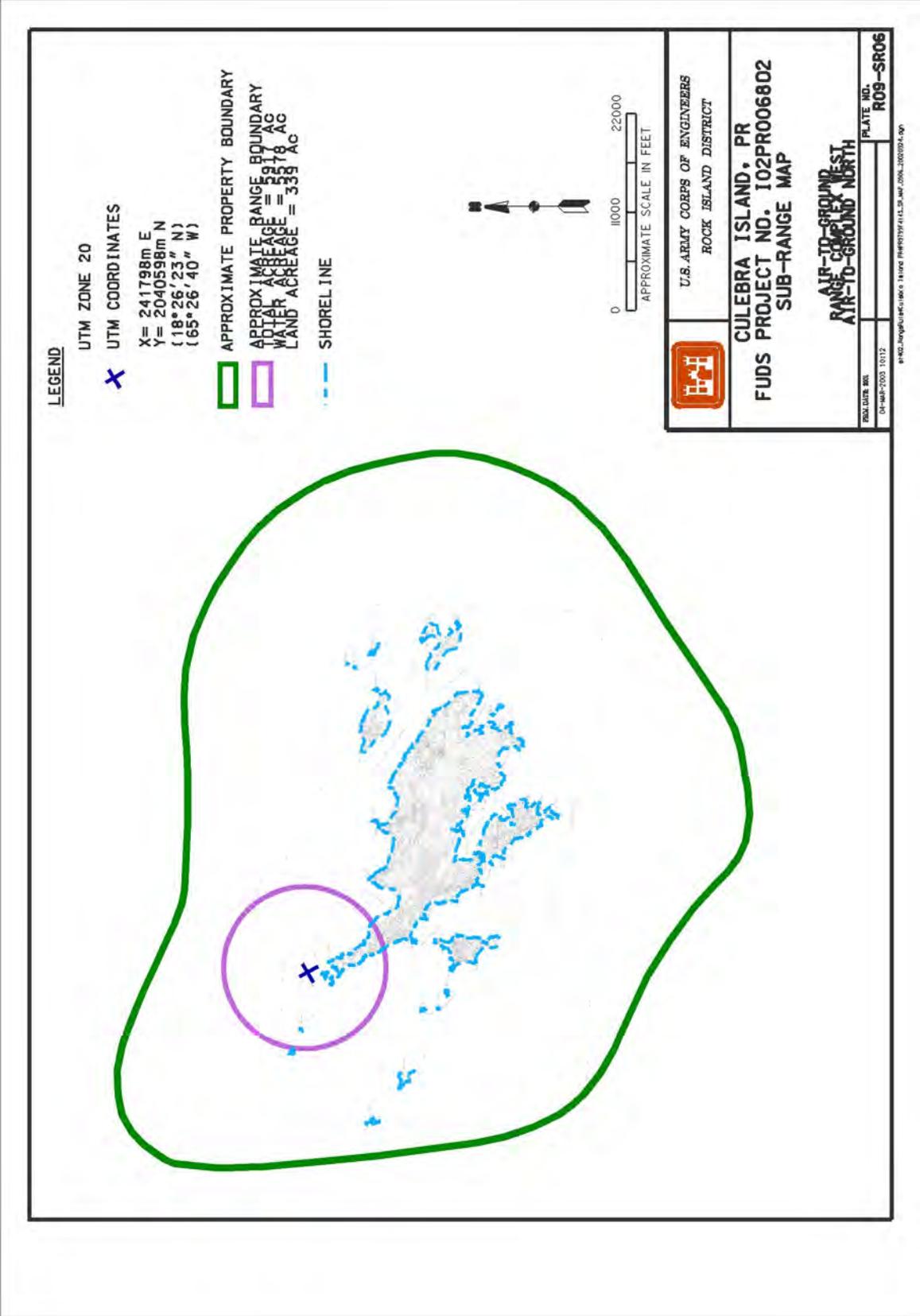
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	241798.00
<b>UTM Y: (meters)</b>	2040598.00
<b>UTM ZONE:</b>	20
<b>Latitude:</b>	18° 26' 23" N
<b>Longitude:</b>	65° 26' 40" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0906\_20020924.JPG



**SUB-RANGE NAME:** Air to ground south  
**Complex Name:** Range complex west

**RMIS Range ID:** I02PR006802R09-SR07

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
AIR-TO-GROUND	1942	1975	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1976	N/A
Agricultural w/o housing	1976	N/A
Open Water	1976	N/A

**ACREAGE:**

<b>Land:</b>	1478
<b>Tidal Water:</b>	4439
<b>Inland Water:</b>	0
<b>Total:</b>	5917
<b>Tidal Water with Public Exposure Pathway:</b>	Yes

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	5917
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	II
<b>Hazard Probability:</b>	A
<b>RAC Score:</b>	1

**CLASSIFICATION(S):**

Training

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Unrestricted Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19410101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This air to ground range includes water, DNR land, and private property.

**COMMENTS:** This was an air to ground range located on the southern part of Flamenco Peninsula and is in the same general area of the naval gunfire target.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
SMALL ARMS(CTT01)	Small Arms, General		
SMALL ARMS(CTT01)	50 Cal. Machine Gun		
BOMBS, HIGH EXPLOSIVE(CTT07)	Mk 82, General Purpose Bomb, 500 lbs		
AERIAL ROCKETS (LIVE)(CTT26)	2.75-inch, Rockets General		
AERIAL ROCKETS (LIVE)(CTT26)	Rocket, 11.75-inch, Tiny Tim, Mk 1 Mod 0		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	Description is not on file
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
F	US Fish and Wildlife Service		NO	NO
S	Department of Natural Resources		NO	NO
O	Private owners.		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** SAND/GRAVEL SAND

**TOPOGRAPHY:** MOUNTAINOUS

**VEGETATION:** HEAVY SHRUBS WITH TREES

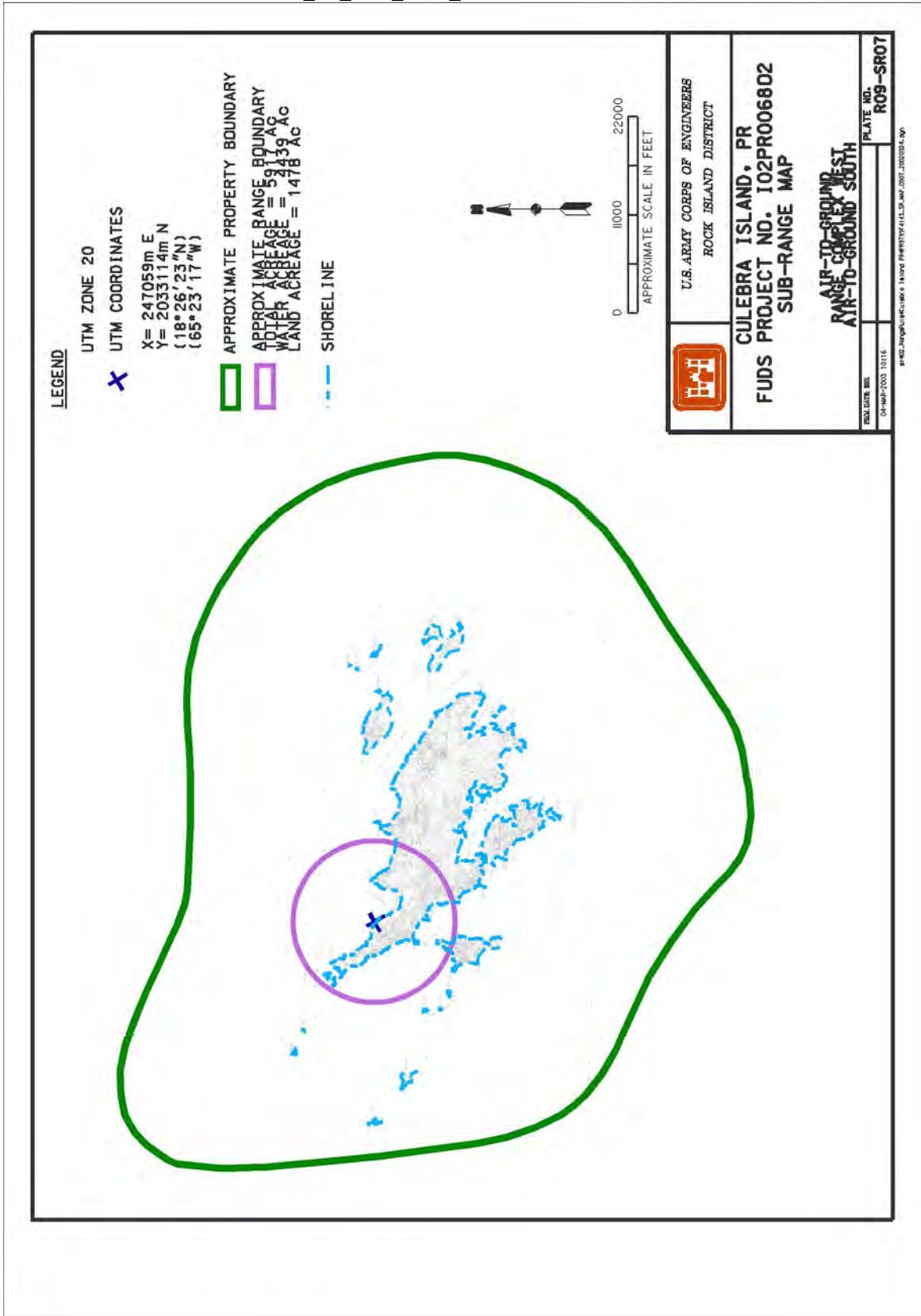
**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	247059.00
<b>UTM Y: (meters)</b>	2033114.00
<b>UTM ZONE:</b>	20
<b>Latitude:</b>	18° 26' 23" N
<b>Longitude:</b>	65° 23' 17" W

SUB-RANGE MAP: PR9799F4143\_SR\_MAP\_0907\_20020924.JPG



**MMR AREA NAME:** Rifle range south

**RMIS Range ID:** I02PR006802R10

**HISTORIC USE:**

<b>HISTORIC USE</b>	<b>START YEAR</b>	<b>END YEAR</b>	<b>COMMENTS</b>
SMALL ARMS	1901	1941	N/A

**CURRENT USE:**

<b>CURRENT USE</b>	<b>START YEAR</b>	<b>COMMENTS</b>
Undeveloped	1942	N/A

**ACREAGE:**

<b>Land:</b>	0
<b>Tidal Water:</b>	0
<b>Inland Water:</b>	0
<b>Total:</b>	0
<b>Tidal Water with Public Exposure Pathway:</b>	No

**MMR ACREAGE:**

<b>Identified:</b>	0
<b>Suspected:</b>	0
<b>Not Suspected:</b>	0

**RISK ASSESSMENT CODE:**

<b>Hazard Severity:</b>	V
<b>Hazard Probability:</b>	B
<b>RAC Score:</b>	5 <i>(RAC OVERRIDE: Small Arms Only Range)</i>

**CLASSIFICATION(S):**

Training  
Small Arms Range

**RANGE / NON-RANGE:** Range

**LAND USE RESTRICTIONS:** Unrestricted Public Access

**CONSTRUCTION DATE: (YYYYMMDD)** 19010101

**THE FOLLOWING TYPES OF MUNITIONS WERE USED ON THIS RANGE:**

Conventional

**DESCRIPTION:** This former small arms range is thought to be in undeveloped land near the southern tip of the island.

**COMMENTS:** The precise location of this range is unknown, though it is somewhere on the southern tip of the island. A 1913 map showed a rifle range near the coaling station, but the ASR team was unable to locate the exact site.

**HAVE THERE BEEN ANY DOCUMENTED INCIDENTS ON THIS RANGE?** No

**RANGE MUNITIONS:**

MUNITIONS ID	MUNITIONS	USED START DATE	USED END DATE
SMALL ARMS(CTT01)	Small Arms, General		

**RANGE LAND ACCESS AND RESTRICTIONS:**

RESTRICTION TYPE	RESTRICTION	DESCRIPTION
A	NO CONTROLS	No known access controls
L	OTHER (Must Describe)	No known Land Use Restrictions

**RANGE OWNERS:**

OWNER TYPE	OWNER DESCRIPTION	LEASE	LEASE TERMINATION	REVOCATION OF LAND
O	Numerous owners.		NO	NO

**RANGE DEMOGRAPHICS:**

TYPE	NAME	STATE	COUNTRY
CT	Flamenco Pen	PR	UNITED STATES
CO	Culebra	PR	UNITED STATES

**SOIL TYPE:** CLAY-SAND/CLAY-SILT

**TOPOGRAPHY:** GENTLY ROLLING

**VEGETATION:** HEAVY SHRUBS WITH TREES

**GROUNDWATER**

<b>AVG DEPTH (IN FEET)</b>	NOT SPECIFIED
<b>DRINKING WATER SUPPLY</b>	UNKNOWN
<b>RANGE CONTAMINATION FROM RESIDUE OF MUNITIONS</b>	UNKNOWN

**COORDINATES:**

<b>DATUM:</b>	NAD83
<b>UTM X: (meters)</b>	257857.00

**COORDINATES:**

**UTM Y: (meters)** 2027463.00

**UTM ZONE:** 20

**Latitude:** 18° 19' 23" N

**Longitude:** 65° 17' 27" W