DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Alborada del Río / Celada Ward
Applicant/Owner: José Martínez
Investigator: Elkys Ríos / Eduardo Cabrera

Date: 26/oct/2004
County: Gurabo
State: Puerto Rico

Do Normal Circumstances exist on the site? Yes (No)
Is the site significantly disturbed (Atypical Situation)? (Yes) No
Is the area a potential Problem Area? Yes No
(If needed, explain on reverse.)

Community ID:
Transect ID: 2
Plot ID: 1

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Brachiaria purpurascens	H	FACW
2. Paspalum virgatum	H	FACW-
3. Urochloa maxima	H	FACU-
4.		
5.		
6.		
7.		
8.		

Dominant Plant Species	Stratum	Indicator
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 2/3 = 66.6 %

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
X No Recorded Data Available

Field Observations:

Depth of Surface Water: N/A (in.)
Depth to Free Water in Pit: 9 (in.)
Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
✓ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: Atypical situation: Used water deposits on the area from a cattle ranch operating within the site.

SOILS

Map Unit Name
(Series and Phase): Aceitunas clay (AaC) Drainage Class: WD

Taxonomy (Subgroup): Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10 YR-4/3			loamy sand

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: saturated soil; no reduction or gleyed colors on soil. Atypical situation: manure deposits on the area from a cattle ranch operating within the site.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks: Free water on the soil pit, saturated soils and hydrophytic vegetation were found on this sampling point. However, hydric conditions are created because the area is subject to manure and used water deposits from a small cattle ranch operating within the site. Therefore, this is an atypical situation.

Approved by HQUSACE 7/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Alborada del Río / Celada Ward
Applicant/Owner: José Martínez
Investigator: Elkys Ríos / Eduardo Cabrera

Date: 26/oct/2004
County: Guaba
State: Puerto Rico

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes No
Is the area a potential Problem Area? Yes No
(If needed, explain on reverse.)

Community ID:
Transect ID: 2
Plot ID: 2

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Urochloa maxima	H	FACU-
2. Eriochloa polystachya	H	FACW+
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 1/2 = 50%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
X No Recorded Data Available

Field Observations:

Depth of Surface Water: N/A (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: Grande de Loíza River (Lake Carraízo) was about 10 ft to the west of the sampling point. However, no hydrology indicators were found.

SOILS

Map Unit Name
(Series and Phase): Aceitunas clay (AaC) Drainage Class: WD

Taxonomy (Subgroup): Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR-4/4			silty clay loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: moist soils occur on the sampling point.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks: Grande de Loíza River (Lake Carraízo) was about 10 ft to the west of the sampling point. However, no soil or hydrology indicators were found.

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Alborada del Río / Celada Ward
Applicant/Owner: José Martínez
Investigator: Elkys Ríos / Eduardo Cabrera

Date: 4/nov/2004
County: Gurabo
State: Puerto Rico

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes No
Is the area a potential Problem Area? Yes No
(If needed, explain on reverse.)

Community ID:
Transect ID: 3
Plot ID: 1

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Casearia guianensis	H	FAC
2. Myrcia splendens	H	OBL
3. Faramea occidentalis	H	FACU
4. Adiantum latifolium	H	FAC
5. Guarea guidonia	H	FAC
6. Hura crepitans	T	FAC
7. Roystonea borinquena	T	FAC
8. Zanthoxylum martinicense	T	NI
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 6/7 = 85.7 %

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
X No Recorded Data Available

Field Observations:

Depth of Surface Water: N/A (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: Sampling point was about 6 ft from a small tributary of the unnamed creek.

SOILS

Map Unit Name (Series and Phase): Aceitunas clay (AaC) Drainage Class: WD

Taxonomy (Subgroup): Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR-4/4			silty clay loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Sampling point was about 1-2 ft higher than the water level of the small tributary of the unnamed creek. Moist soils occur on the sampling point and its surrounding.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? (Circle) Yes (No)

Remarks: Sampling point was within a humid area due to the presence of an unnamed creek and its tributary. However, no wetland indicators for soil or hydrology were found.

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Alborada del Río / Celada Ward
Applicant/Owner: José Martínez
Investigator: Elkys Ríos / Eduardo Cabrera

Date: 11/nov/2004
County: Gorabo
State: Puerto Rico

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes No
Is the area a potential Problem Area? Yes No
(If needed, explain on reverse.)

Community ID: _____
Transect ID: 3
Plot ID: 2

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Adiantum latifolium	H	FAC
2. Inga laurina	T	FAC
3. Faramea occidentalis	S	FACU
4. Guapira fragrans	T	NI
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 2/3 = 66.6 %

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
X No Recorded Data Available

Field Observations:

Depth of Surface Water: N/A (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks: sampling point was about 10-15 ft from the unnamed creek.

SOILS

Map Unit Name (Series and Phase): Aceitunas clay (AaC) Drainage Class: WD

Taxonomy (Subgroup): Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR-4/4			silty clay loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Sampling point was about 7-9ft higher than the water level of the unnamed creek. Moist soils occur on the sampling point and its surrounding.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

(Circle)
Is this Sampling Point Within a Wetland? Yes (No)

Remarks: Sampling point was within a humid area due to the presence of an unnamed creek. However, no wetland indicators for soil or hydrology were found.

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Alcocrada del Río / Celada ward
Applicant/Owner: José Martínez
Investigator: Elkys Ríos / Eduardo Cabrera

Date: 4 / nov / 2004
County: Gurabo
State: Puerto Rico

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes No
Is the area a potential Problem Area? Yes No
(If needed, explain on reverse.)

Community ID:
Transect ID: 4
Plot ID: 1

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Mimosa casta	H	OBL
2. Eriochloa polystachya	H	FACW+
3. Commelina diffusa	H	FAC
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 3/3 = 100%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
___ No Recorded Data Available

Field Observations:

Depth of Surface Water: N/A (in.)
Depth to Free Water in Pit: 11 (in.)
Depth to Saturated Soil: 2 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
✓ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): Aceituna clay (AaC) Drainage Class: WD

Taxonomy (Subgroup): Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-1	A	10YR-4/3			silty clay loam
1-12	B	Gley 1-4/10 Y			silty clay loam

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ✓ Sulfidic Odor
- ✓ Aquic Moisture Regime
- ✓ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Alborada del Río / Celada Ward
Applicant/Owner: Josie Martinez
Investigator: Elhys Ríos / Eduardo Cabrera

Date: 4/nov/2004
County: Gurabo
State: Puerto Rico

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes No
Is the area a potential Problem Area? Yes No
(If needed, explain on reverse.)

Community ID:
Transect ID: 4
Plot ID: 2

VEGETATION

Dominant Plant Species	Stratum	Indicator
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-).

Remarks: Vegetation data was not collected on this sampling point.

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
X No Recorded Data Available

Field Observations:

Depth of Surface Water: N/A (in.)
Depth to Free Water in Pit: 4 (in.)
Depth to Saturated Soil: 2 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
✓ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name
(Series and Phase): Aceituna clay (AaC) Drainage Class: WD

Taxonomy (Subgroup): Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ✓ Aquic Moisture Regime
- ✓ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Although no matrix color data was collected, the sampling point presented aquic moisture regime, reducing conditions and gleyed colors on soils.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks: The area was briefly assessed since it lies on a depression between higher elevations. Reduced soils and free water in soil pit lead to the conclusion that the sampling point was within a wetland.

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Alborada del Río / Celada ward
Applicant/Owner: José Martínez
Investigator: Elkys Ríos / Yasev García

Date: 27/nov/2004
County: Gurabo
State: Puerto Rico

Do Normal Circumstances exist on the site? (Yes) No
Is the site significantly disturbed (Atypical Situation)? Yes (No)
Is the area a potential Problem Area? Yes (No)
(If needed, explain on reverse.)

Community ID:
Transect ID: 5
Plot ID: 1

VEGETATION

Dominant Plant Species	Stratum	Indicator
1. Mimosa casta	H	OBL
2. Brachiaria arrecta	H	FACW
3. Dieffenbachia seguine	H	OBL
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 3/3 = 100%

Remarks:

HYDROLOGY

___ Recorded Data (Describe in Remarks):
___ Stream, Lake, or Tide Gauge
___ Aerial Photographs
___ Other
X No Recorded Data Available

Field Observations:

Depth of Surface Water: N/A (in.)
Depth to Free Water in Pit: 5 (in.)
Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators:
Primary Indicators:
___ Inundated
✓ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
___ Oxidized Root Channels in Upper 12 Inches
___ Water-Stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): Caguabo clay loam (CaE) Drainage Class: WD

Taxonomy (Subgroup): Field Observations Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR-4/2			silty clay
4-12	B	10YR-4/2	5YR-4/6	30%/sandy	silty clay

Hydric Soil Indicators:

- ___ Histosol
- ___ Histic Epipedon
- ✓ Sulfidic Odor
- ✓ Aquic Moisture Regime
- ✓ Reducing Conditions
- ✓ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer in Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Sampling point lies on a depression between hills. No surface water was found. Saturated soils occur on the sampling point.

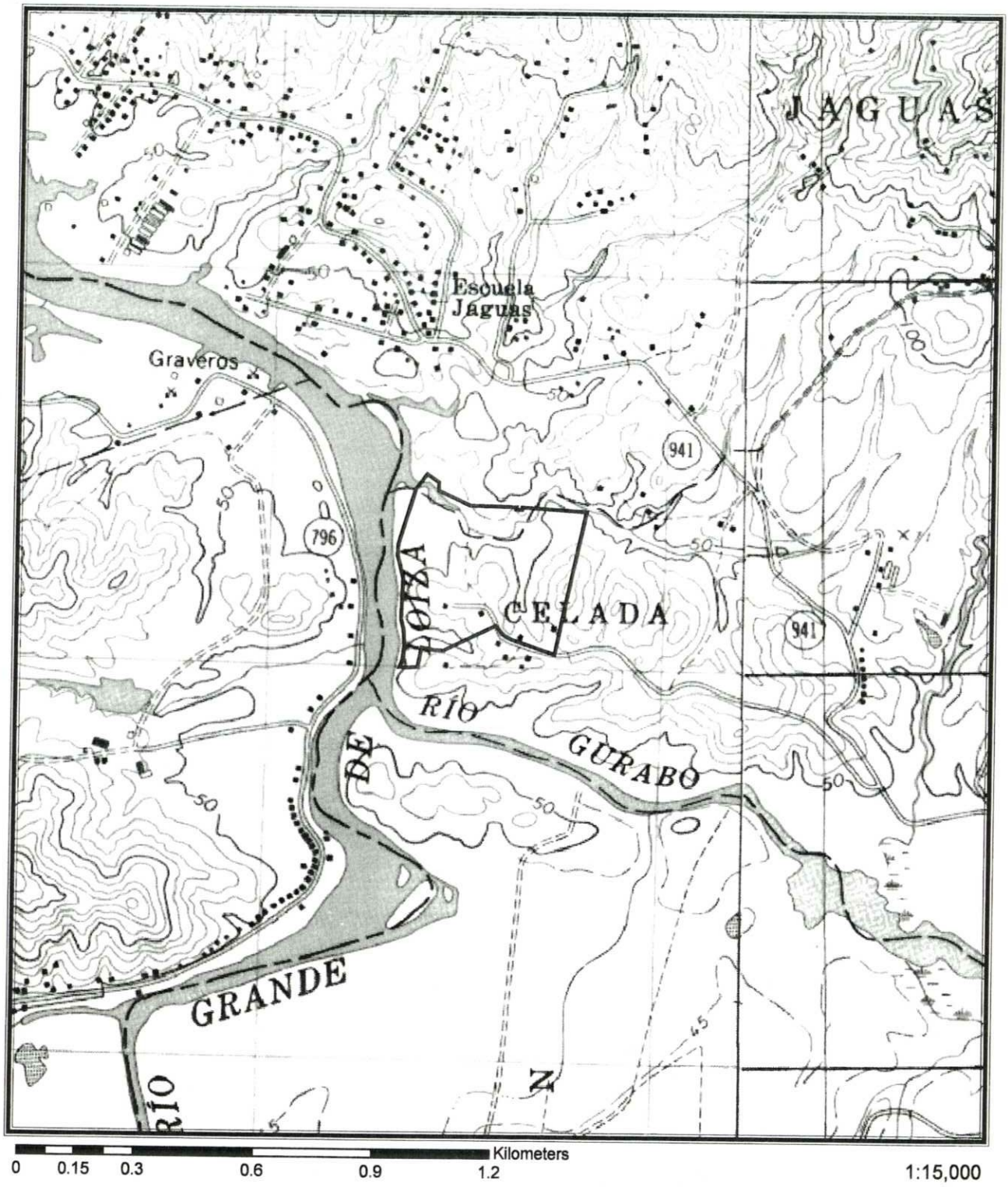
WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (Circle)
Wetland Hydrology Present? (Yes) No
Hydric Soils Present? (Yes) No

(Circle)
Is this Sampling Point Within a Wetland? (Yes) No

Remarks: Sampling point lies on a depression between hills. No surface water was found. Saturated soils occur on the sampling point.

Figures



Servicios Científicos y Técnicos, Inc. RR-9 Buzón 1722 San Juan, PR 00926-9736 Tel.787-292-0620 CARTOGRAPHY: Vanessa I. Marrero	**Figure 1: Site Location on the Topographic Map** Jurisdictional Determination *Alborada del Río* Celada Ward Gurabo, Puerto Rico

Servicios Científicos y Técnicos, Inc.

RR-9 Buzón 1722
San Juan, PR 00926-9736
Tel.787-292-0620

CARTOGRAPHY:
Vanessa I. Marrero

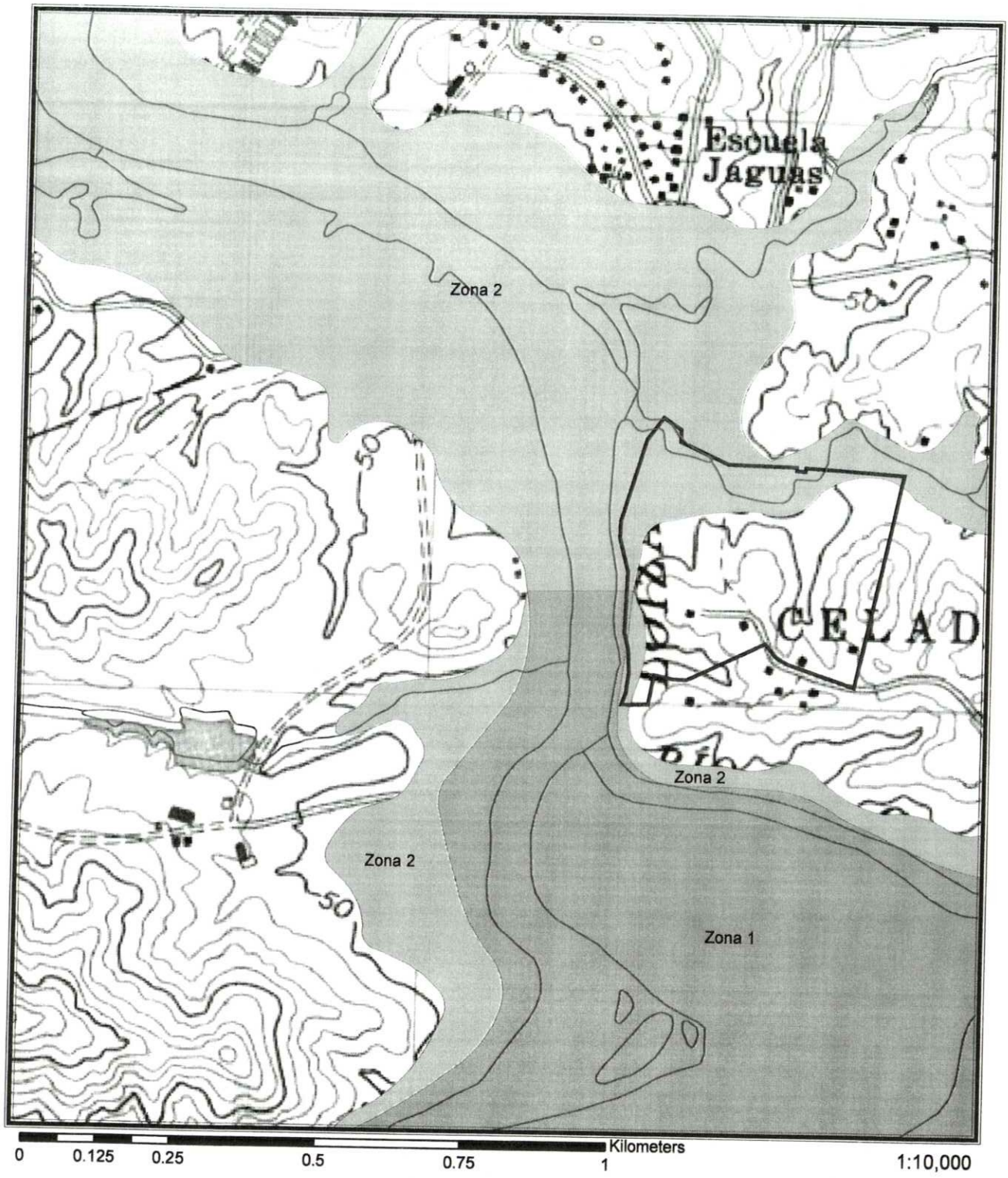
Figure 2: Site Location on the 2002 Satellite Image

Jurisdictional Determination

Alborada del Río

N
W
E
S

Celada Ward
Gurabo, Puerto Rico



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RR-9 Buzón 1722
San Juan, PR 00926-9736
Tel.787-292-0620

CARTOGRAPHY:
Vanessa I. Marrero

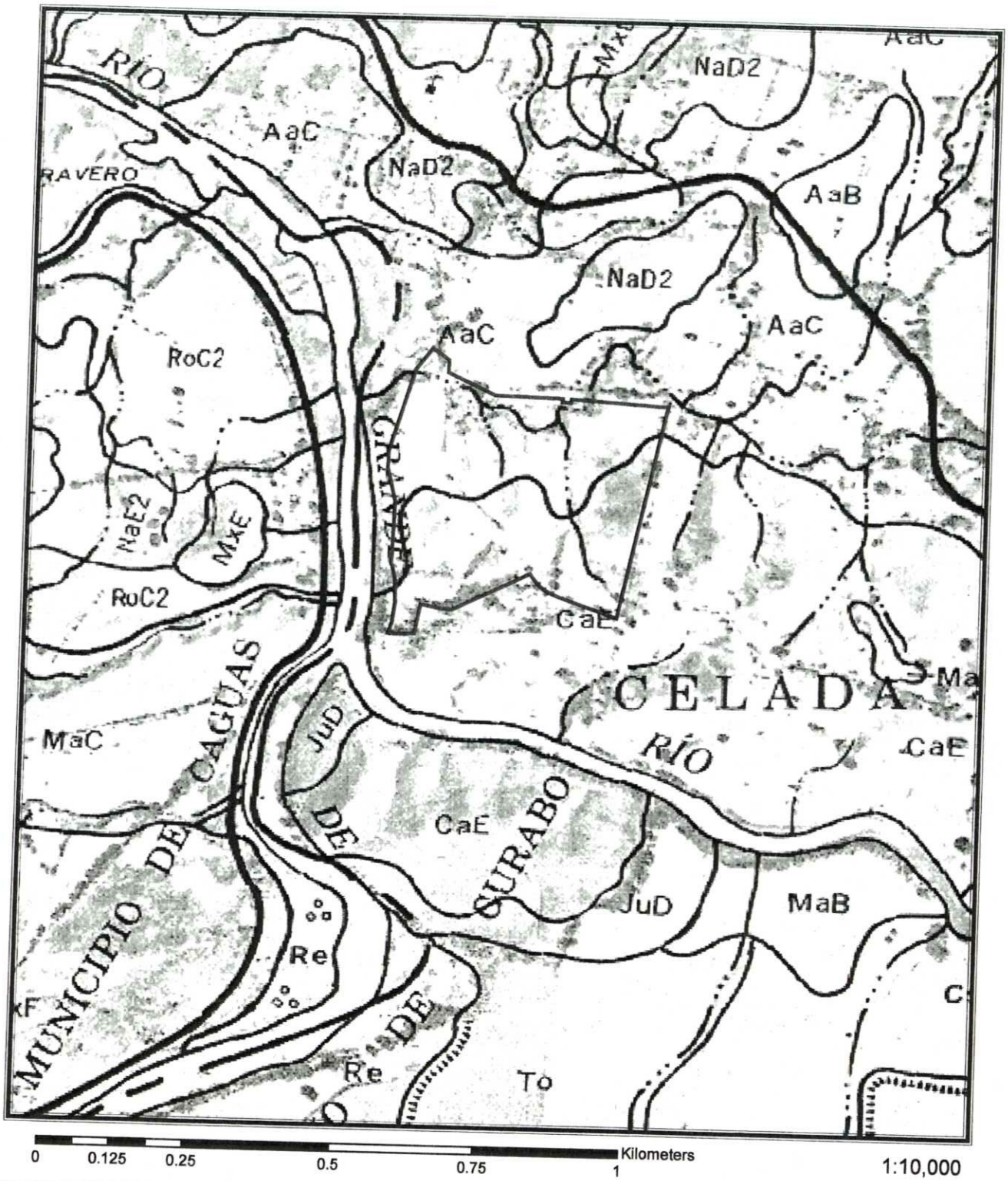
Figure 3: Site Location on the Flood Map

Jurisdictional Determination

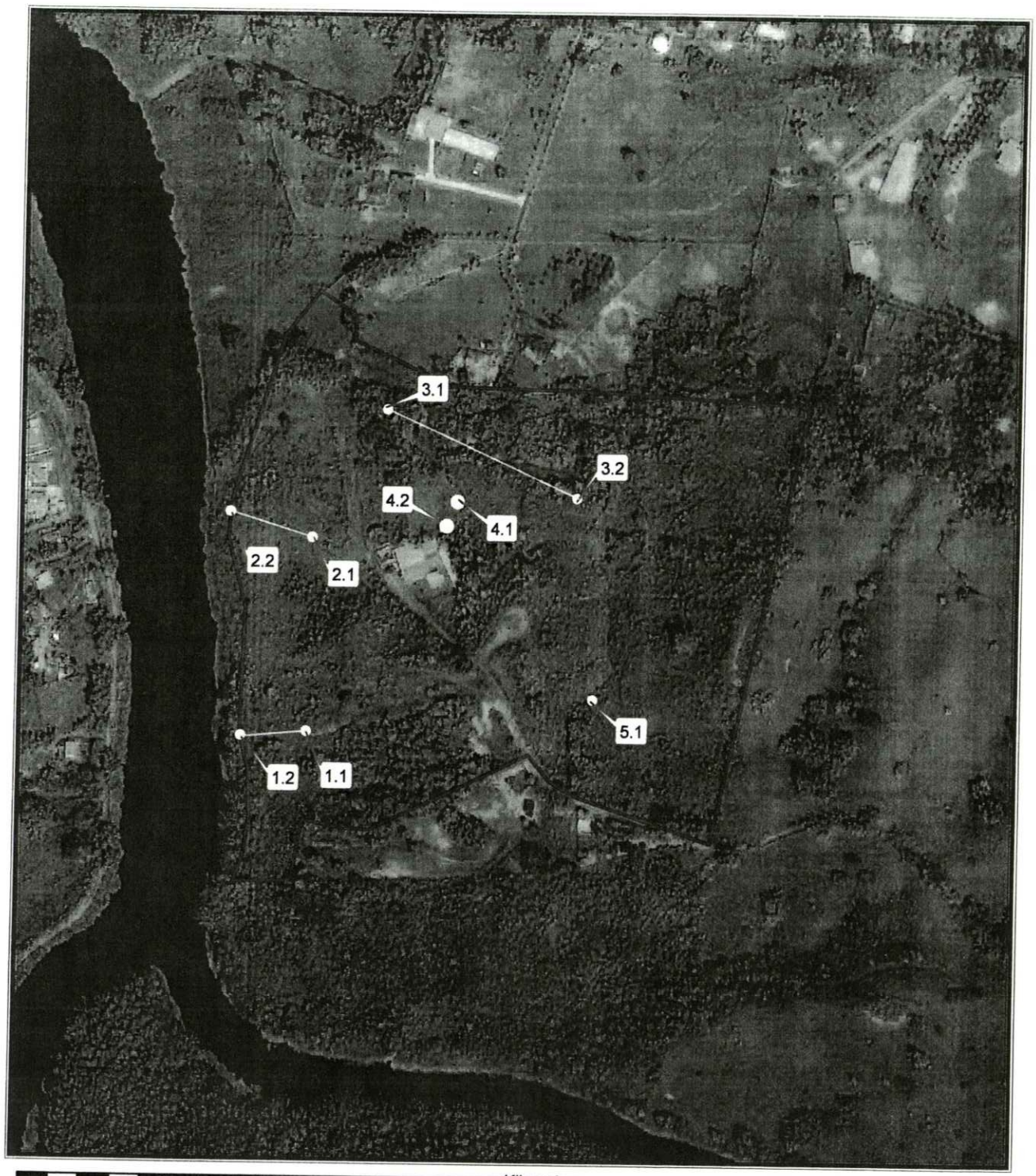
Alborada del Río

Celada Ward
Gurabo, Puerto Rico

N
W
E
S



Servicios Científicos y Técnicos, Inc. RR-9 Buzón 1722 San Juan, PR 00926-9736 Tel.787-292-0620 CARTOGRAPHY: Vanessa I. Marrero	**Figure 4: Site Location on the Soils Map** Jurisdictional Determination *Alborada del Río* Celada Ward Gurabo, Puerto Rico



0 0.05 0.1 0.2 0.3 0.4 Kilometers

1:5,000

Servicios Científicos y Técnicos, Inc.

RR-9 Buzón 1722
San Juan, PR 00926-9736
Tel.787-292-0620

CARTOGRAPHY:
Vanessa I. Marrero

Figure 5: Transects and Sampling Points Location

Jurisdictional Determination

Alborada del Río

Celada Ward
Gurabo, Puerto Rico

N
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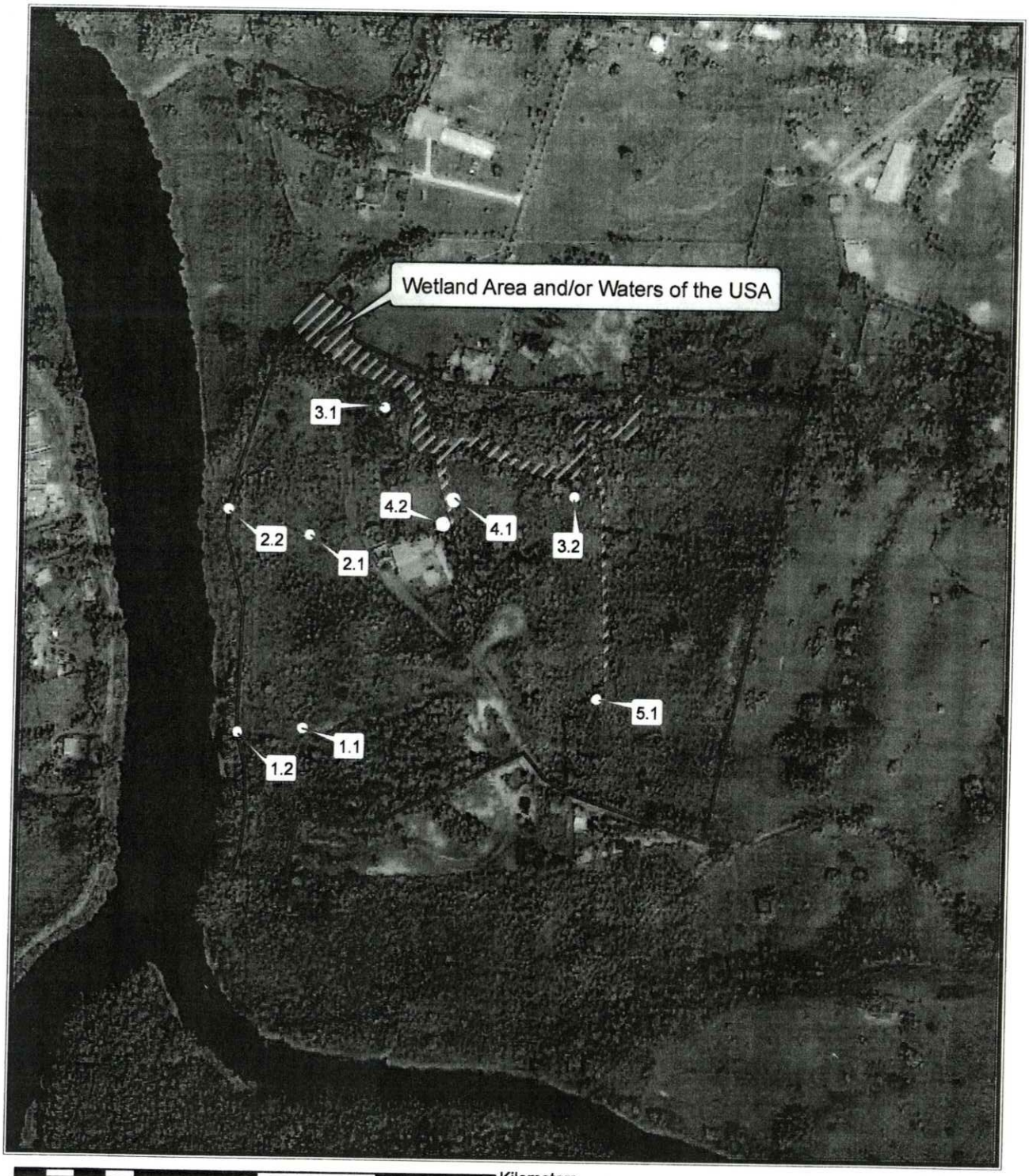

Servicios Científicos y Técnicos, Inc. RR-9 Buzón 1722 San Juan, PR 00926-9736 Tel.787-292-0620 CARTOGRAPHY: Vanessa I. Marrero	**Figure 6: Preliminary Wetland Delineation and Sampling Points** Jurisdictional Determination *Alborada del Río* Celada Ward Gurabo, Puerto Rico

Servicios Científicos y Técnicos, Inc.

RR-9 Buzón 1722
San Juan, PR 00926-9736
Tel.787-292-0620

CARTOGRAPHY:
Vanessa I. Marrero

Figure 7: Preliminary Wetland Delineation

Jurisdictional Determination

Alborada del Río

Celada Ward
Gurabo, Puerto Rico

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Data Forms