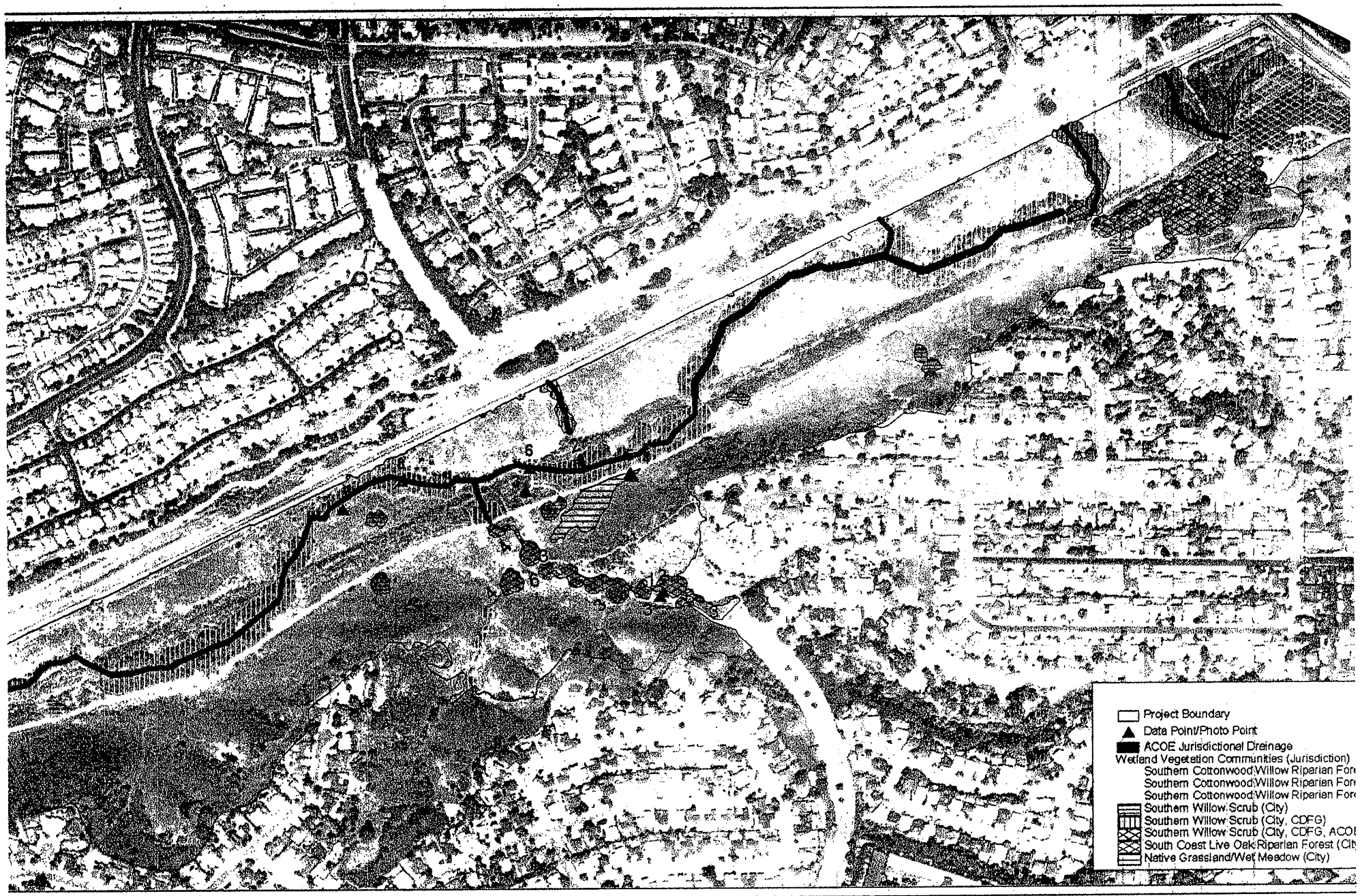
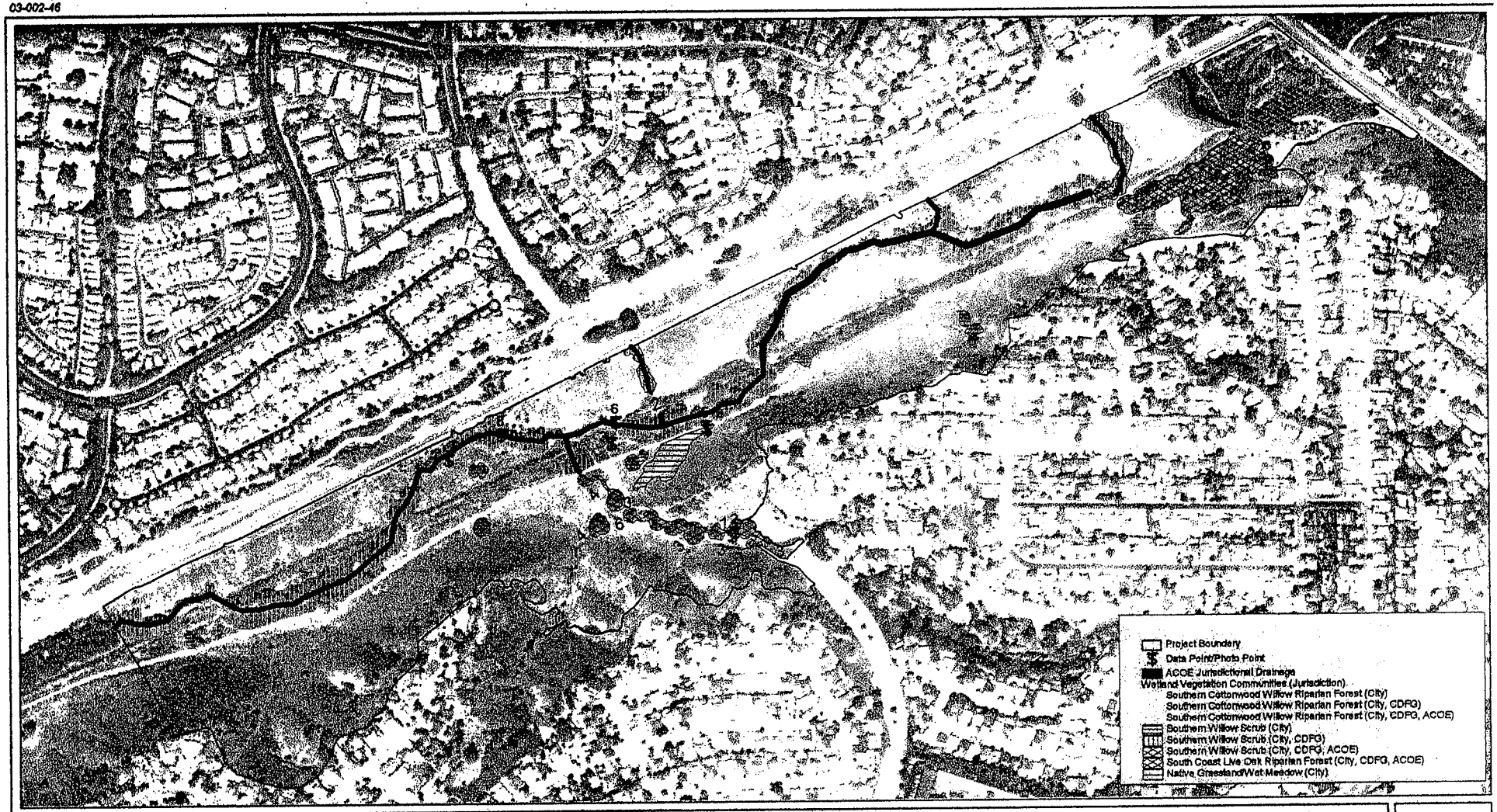
Attachment 56



Wetland and Jurisdictional Non-wetland Resources within Rose Canyon

03-002-46



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200 0 200 Feet

Wetland and Jurisdictional Non-wetland Resources within Rose Canyon

Figure 4

Merkel & Associates, Inc.

Attachment 57

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

Project/Site:	Rose Canyon Mitigation Plan	Date:	02September2004
Applicant/Owner:	City of San Diego	County:	SD
Investigator:	Kyle L. Ince, Adam H. Behle	State:	CA

Do normal circumstances exist on the site?	☒ Yes	☐ No	Community ID:	SWS
Is the site significantly disturbed (Atypical Situation)?	☐ Yes	☒ No	Transect ID:	DP2
Is the area a potential Problem Area? (If needed, explain on reverse.)	☐ Yes	☒ No	Plot ID:	PP2

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. *Salix lasiolepis*	T	FACW	9.		
2. *Artemisia palmeri*	H	FACW	10.		
3. *Xanthium strumarium*	H	FAC	11.		
4. *Toxicodendron diversilobum*	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 75%

Remarks: Data point located in southern willow scrub consisting primarily of hydrophytic vegetation.

HYDROLOGY

☒ Recorded Data (Described in Remarks):
- ☐ Stream, Lake, or Tide Gauge
- ☒ Aerial Photographs
- ☐ Other

☐ No Recorded Data Available

Field Observations:

Depth of Surface Water:	NA	(in.)
Depth to free Water in Pit	NA	(in.)
Depth of Saturated Soil:	NA	(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: Data point located near ephemeral drainage with drainage pattern indicators present.

SOILS

Data Point #2

Map Unit Name
(Series and Phase): Salina Clay Loam

Drainage Class: Well Drained and Moderately Drained

Field Observations

Taxonomy (Subgroup): Calcic Pachic Haploxeralls

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	2.5Y 2.5/1	7.5YR 5/8	5%	Silty 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: Low chroma soils and mottles indicate presence of hydric soils.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	☒	No	☐			
Wetland Hydrology Present?	Yes	☒	No	☐			
Hydric Soils Present?	Yes	☒	No	☐	Is this Sampling Point Within a Wetland?	Yes ☒	No ☐

Remarks: Data point located below ordinary high water mark in City of SD, CDFG, and ACOE jurisdictional wetland.

Approved by HQUSACE 3/92

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

Project/Site:	Rose Canyon Mitigation Plan	Date:	09September2004
Applicant/Owner:	City of San Diego	County:	SD
Investigator:	Kyle L. Ince, Adam H. Behle	State:	CA
Do normal circumstances exist on the site?	☒ Yes ☐ No	Community ID:	SWS
Is the site significantly disturbed (Atypical Situation)?	☐ Yes ☒ No	Transect ID:	DP3
Is the area a potential Problem Area? (If needed, explain on reverse.)	☐ Yes ☒ No	Plot ID:	PP3

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. *Salix lasiolepis*	T	FACW	9.		
2. *Avena barbata*	H	NI	10.		
3. *Bromus hordeaceus*	H	NI	11.		
4. *Ambrosia psilostachya*	H	FAC	12.		
5. *Foeniculum vulgare*	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 60%

Remarks: Data point located in isolated stand of southern willow scrub vegetation with understory of herbaceous non-native species.

HYDROLOGY

☒ Recorded Data (Described in Remarks):
- ☐ Stream, Lake, or Tide Gauge
- ☒ Aerial Photographs
- ☐ Other

☐ No Recorded Data Available

Field Observations:
- Depth of Surface Water: NA (in.)
- Depth to free Water in Pit: NA (in.)
- Depth of Saturated Soil: NA (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: Hydrology not readily apparent. Lone willow likely irrigated by surficial water flow/seepage. Water stained leaves in understory.

SOILS

Data Point #3

Map Unit Name
(Series and Phase): Salina Clay Loam

Drainage Class: Well Drained and Moderately Drained

Field Observations
Taxonomy (Subgroup): Calcic Pachic Haploxeralls

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 3/2	7.5YR 5/8	1%	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: Low chroma soils and mottles indicate presence of hydric soils.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	☒	No	☐	
Wetland Hydrology Present?	Yes	☐	No	☒	
Hydric Soils Present?	Yes	☒	No	☐	Is this Sampling Point Within a Wetland? Yes ☐ No ☒

Remarks: Data point located in City of San Diego jurisdictional wetland.

Approved by HQUSACE 3/92

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

Project/Site:	Rose Canyon Mitigation Plan	Date:	02September2004
Applicant/Owner:	City of San Diego	County:	SD
Investigator:	Kyle L. Ince, Adam H. Behle	State:	CA

Do normal circumstances exist on the site?	☒ Yes	☐ No	Community ID:	Native Grassland
Is the site significantly disturbed (Atypical Situation)?	☐ Yes	☒ No	Transect ID:	DP4
Is the area a potential Problem Area?	☐ Yes	☒ No	Plot ID:	PP4
(If needed, explain on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. *Leymus triticoides*	H	FACW	9.		
2. *Rumex crispus*	H	FACW	10.		
3. *Carduus pycnocephalus*	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 67%

Remarks: Data point located in native grassland (wet meadow) dominated by hydrophytic vegetation.

HYDROLOGY

☒ Recorded Data (Described in Remarks):
- ☐ Stream, Lake, or Tide Gauge
- ☒ Aerial Photographs
- ☐ Other

☐ No Recorded Data Available

Field Observations:

Depth of Surface Water:	NA	(in.)
Depth to free Water in Pit	NA	(in.)
Depth of Saturated Soil:	NA	(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: Data point located in low lying area at base of slope, adjacent to riparian vegetation. No wetland hydrology indicators present.

SOILS

Data Point #4

Map Unit Name
(Series and Phase): Altamont Clay

Drainage Class: Well Drained

Field Observations
Confirm Mapped Type? ☐ Yes ☒ No

Taxonomy (Subgroup): Typic Chromoxererts

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-12	A	7.5YR 2.5/2	--	--	Silty 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: No hydric soil indicators are present.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	☒	No	☐	
Wetland Hydrology Present?	Yes	☐	No	☒	
Hydric Soils Present?	Yes	☐	No	☒	Is this Sampling Point Within a Wetland? Yes ☒ No ☐

Remarks: Data point located in area of native grassland dominated by hydrophytic vegetation. Area is jurisdictional only under the City of San Diego.

Approved by HQUSACE 3/92

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

Project/Site:	Rose Canyon Mitigation Plan	Date:	02September2004
Applicant/Owner:	City of San Diego	County:	SD
Investigator:	Kyle L. Ince, Adam H. Behle	State:	CA

Do normal circumstances exist on the site?	☒ Yes	☐ No	Community ID:	NNG
Is the site significantly disturbed (Atypical Situation)?	☐ Yes	☒ No	Transect ID:	DP5
Is the area a potential Problem Area?	☐ Yes	☒ No	Plot ID:	PP5
(If needed, explain on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. *Cucurbita foetidissima*	H	NI	9.		
2. *Vulpia myuros*	H	NI	10.		
3. *Avena barbata*	H	NI	11.		
4. *Carduus pycnocephalus*	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: Data point located in non-native grassland lacking hydrophytic vegetation.

HYDROLOGY

☒ Recorded Data (Described in Remarks):
- ☐ Stream, Lake, or Tide Gauge
- ☒ Aerial Photographs
- ☐ Other

☐ No Recorded Data Available

Field Observations:

Depth of Surface Water:	NA	(in.)
Depth to free Water in Pit	NA	(in.)
Depth of Saturated Soil:	NA	(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: No hydrology indicators are present.

SOILS

Data Point #5

Map Unit Name
(Series and Phase): Altamont Clay

Drainage Class: Well Drained

Field Observations
Taxonomy (Subgroup): Typic Chromoxererts

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	7.5YR 3/2	7.5YR 5/8	1%	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: Low chroma soils with mottles indicate potential hydric soils. Mottles are present in low percentages.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	☐	No	☒			
Wetland Hydrology Present?	Yes	☐	No	☒			
Hydric Soils Present?	Yes	☒	No	☐	Is this Sampling Point Within a Wetland?	Yes ☐	No ☒

Remarks: Data point located in uplands consisting of non-native grassland.

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

Project/Site:	Rose Canyon Mitigation Plan	Date:	02September2004
Applicant/Owner:	City of San Diego	County:	SD
Investigator:	Kyle L. Ince, Adam H. Behle	State:	CA
Do normal circumstances exist on the site?	☒ Yes ☐ No	Community ID:	SCWRF
Is the site significantly disturbed (Atypical Situation)?	☐ Yes ☒ No	Transect ID:	DP6
Is the area a potential Problem Area? (If needed, explain on reverse.)	☐ Yes ☒ No	Plot ID:	PP6

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. *Platanus racemosa*	T	FACW	9.		
2. *Xanthium strumarium*	H	FAC	10.		
3. *Salix lasiolepis*	H	FACW	11.		
4. *Ambrosia psilostachya*	H	FAC	12.		
5. *Cynodon dactylon*	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100%

Remarks: Data point in southern cottonwood willow riparian forest consisting entirely of wetland vegetation.

HYDROLOGY

☒ Recorded Data (Described in Remarks):
- ☐ Stream, Lake, or Tide Gauge
- ☒ Aerial Photographs
- ☐ Other

☐ No Recorded Data Available

Field Observations:
- Depth of Surface Water: NA (in.)
- Depth to free Water in Pit: NA (in.)
- Depth of Saturated Soil: NA (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: Data point located in cobble drainage channel within Rose Creek.

SOILS

Data Point #6

Map Unit Name
(Series and Phase): Salinas Clay Loam

Drainage Class: Moderate and Well Drained

Field Observations
Confirm Mapped Type? ☐ Yes ☒ No

Taxonomy (Subgroup): Calcic Pachic Heploxeralls

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-8	A	10YR 4/2	7.5YR 5/8	1%	Sandy 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: Aquic moisture regime and mottles indicate presence of hydric soils.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes ☒ No ☐

Wetland Hydrology Present? Yes ☒ No ☐

Hydric Soils Present? Yes ☒ No ☐

Is this Sampling Point Within a Wetland? Yes ☒ No ☐

Remarks: Data point located in southern cottonwood willow riparian forest within main drainage channel of Rose Creek. Jurisdictional under the City of San Diego, CDFG, and ACOE.

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

Project/Site:	Rose Canyon Mitigation Plan	Date:	02September2004
Applicant/Owner:	City of San Diego	County:	SD
Investigator:	Kyle L. Ince, Adam H. Behle	State:	CA

Do normal circumstances exist on the site?	☒ Yes	☐ No	Community ID:	SCWRF
Is the site significantly disturbed (Atypical Situation)?	☐ Yes	☒ No	Transect ID:	DP9
Is the area a potential Problem Area?	☐ Yes	☒ No	Plot ID:	PP9
(If needed, explain on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. *Salix lasiolepis*	T	FACW	9.		
2. *Populus fremontii*	T	FACW	10.		
3. *Platanus racemosa*	T	FACW	11.		
4. *Artemisia douglasiana*	H	FACW	12.		
5. *Ambrosia psilostachya*	H	FAC	13.		
6. *Baccharis salicifolia*	S	FACW	14.		
7. *Quercus agrifolia*	T	NI	15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 86%

Remarks: Data point located in southern cottonwood-willow riparian forest dominated by hydrophytic species.

HYDROLOGY

☒ Recorded Data (Described in Remarks):
- ☐ Stream, Lake, or Tide Gauge
- ☒ Aerial Photographs
- ☐ Other

☐ No Recorded Data Available

Field Observations:

Depth of Surface Water:	NA	(in.)
Depth to free Water in Pit	NA	(in.)
Depth of Saturated Soil:	NA	(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: Data point located adjacent to main drainage currently filled with water.

SOILS

Data Point #9

Map Unit Name
(Series and Phase): Salinas Clay Loam

Drainage Class: Moderate and Well Drained

Field Observations
Confirm Mapped Type? ☐ Yes ☒ No

Taxonomy (Subgroup): Calcic Pachic Heploxeralls

Profile Description:

Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
0-12	A	10YR 5/3	7.5YR 5/8	2%	Silt 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: Low chroma soils with mottles indicate presence of hydric soils.

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	☒	No	☐			
Wetland Hydrology Present?	Yes	☒	No	☐			
Hydric Soils Present?	Yes	☒	No	☐	Is this Sampling Point Within a Wetland?	Yes ☒	No ☐

Remarks: Data point located in southern cottonwood-willow riparian forest jurisdictional by the City of San Diego, CDFG, and ACOE.

Attachment 58

Photo Point 1. Data Point 1, located in coastal sage scrub upland.

Photo Point 2. Data Point 2, located in southern willow scrub vegetation.

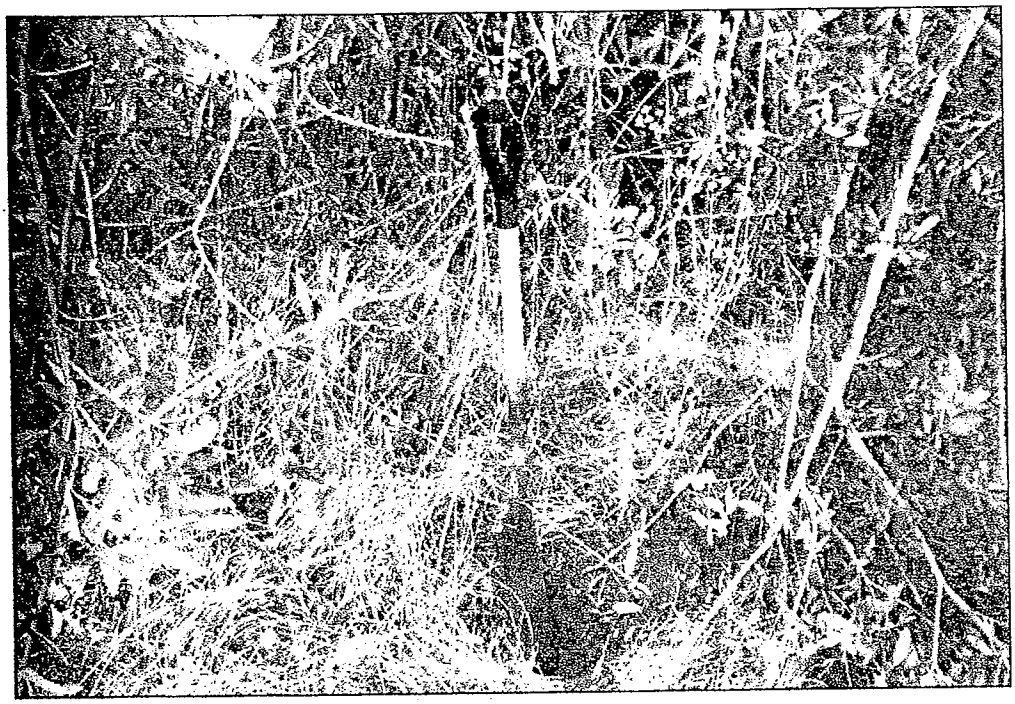


Photo Point 3. Data Point 3, located in isolated southern willow scrub vegetation.

Photo Point 4. Data Point 4, located in native grassland (wet meadow) vegetation. This area is jurisdictional under the City of San Diego only. .

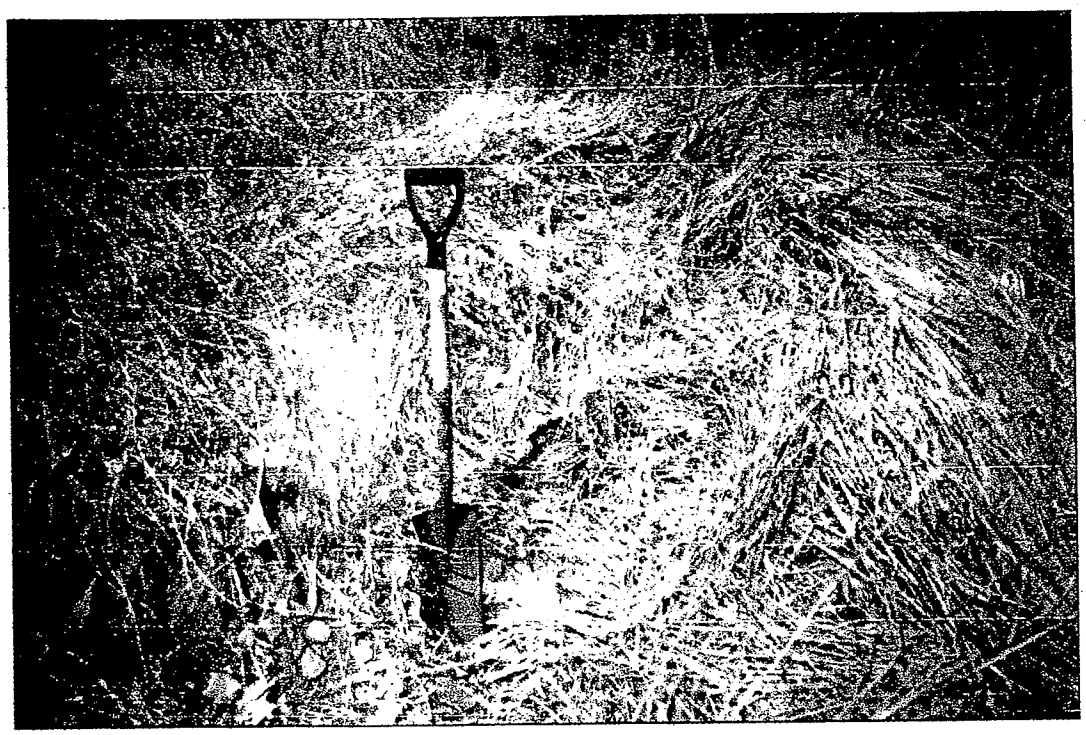
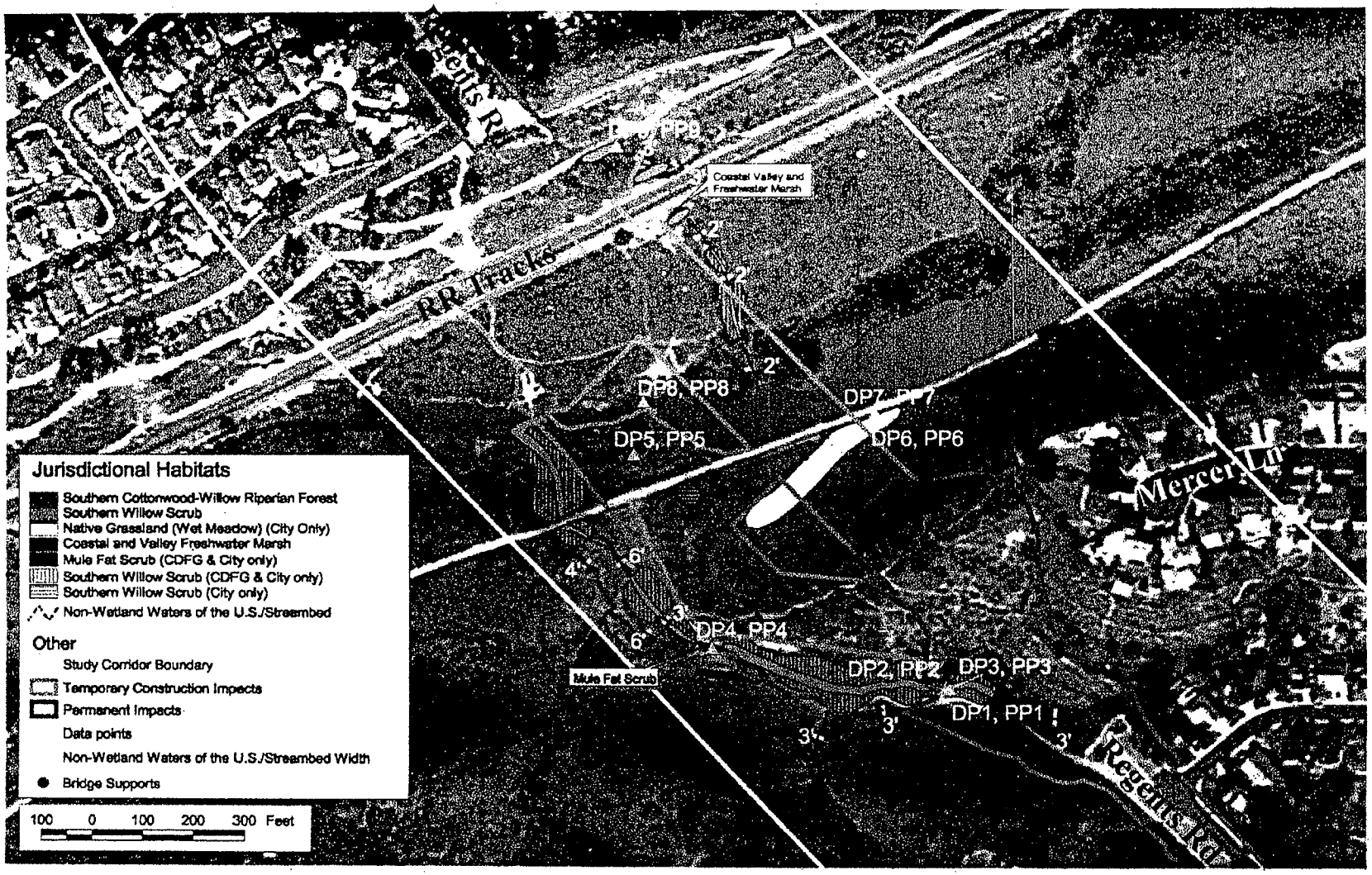


Photo Point 5. Data Point 5, located in non-native grassland.

Photo Point 6. Data Point 6, located in southern cottonwood-willow riparian forest understory.

Photo Point 9. Data Point 9, located in southern cottonwood-willow riparian forest understory.

Attachment 59

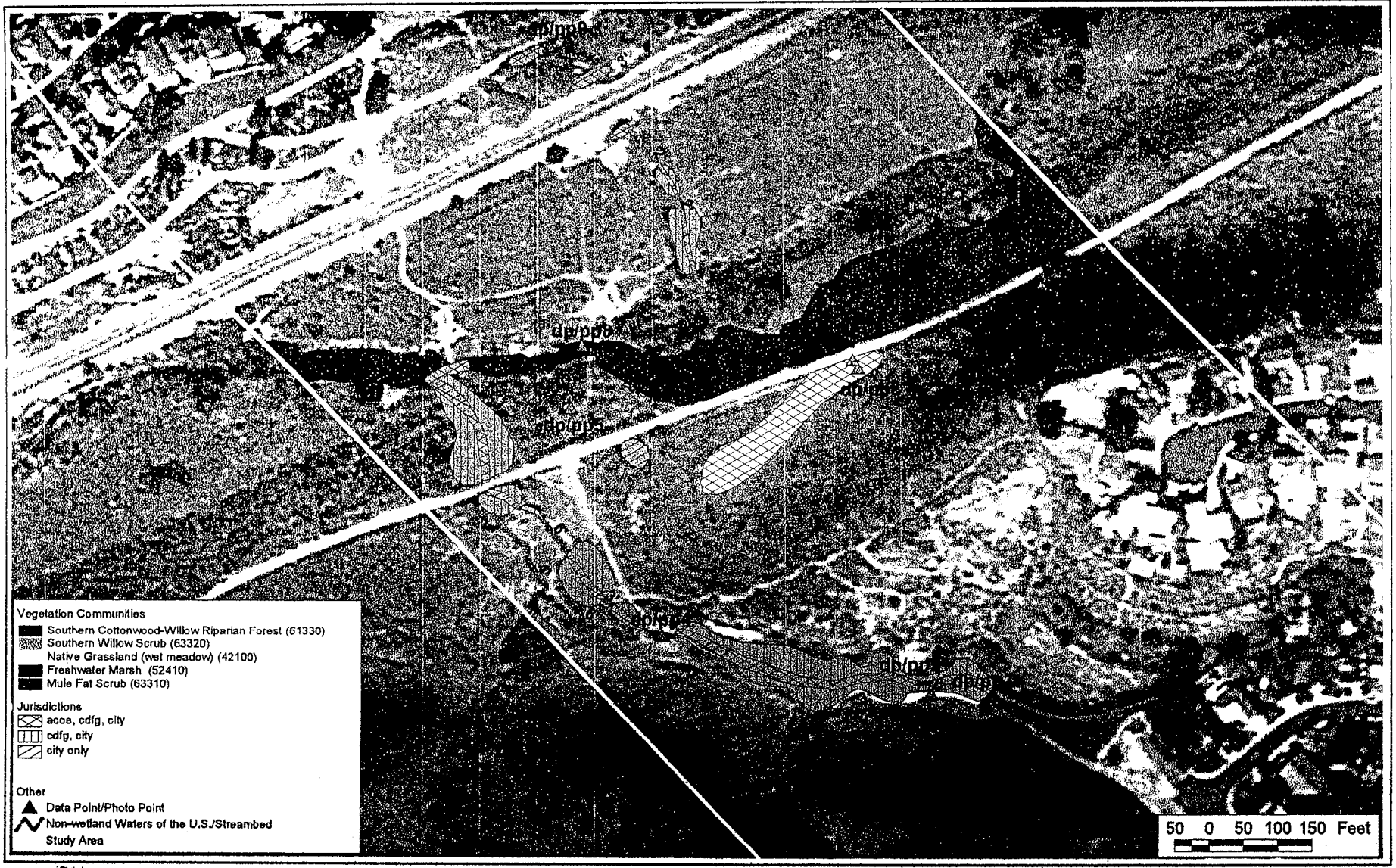


Source: Merkel and Associates, 5/19/2004

ACOE, CDFG, and City of San Diego Jurisdictional Wetlands and Waterways, Regents Road Corridor (Rose Canyon) — Figure 4.3-5A

Attachment 60

M&A #02-099-03



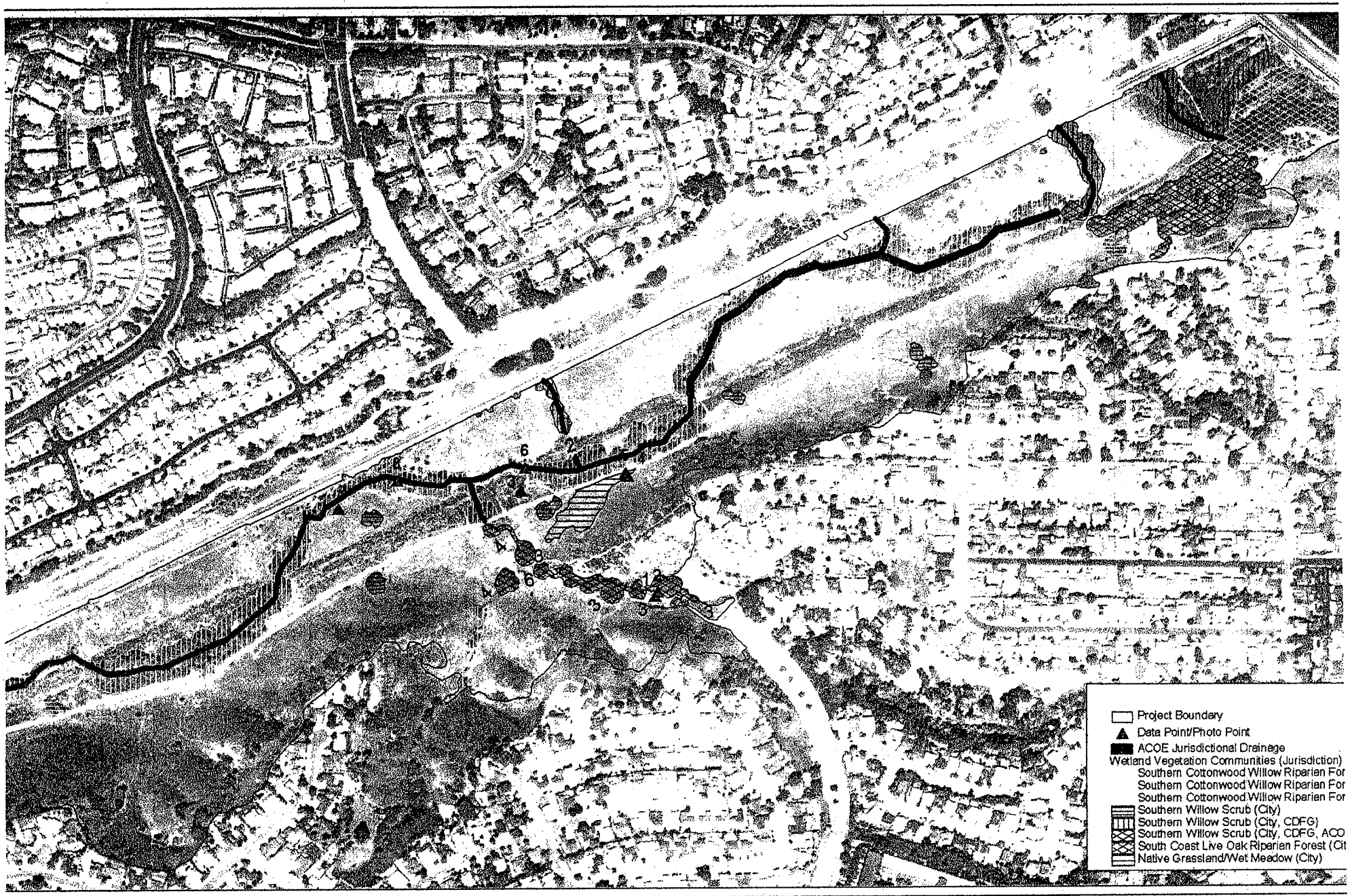
Regents Road Corridor (Rose Canyon) Jurisdictional Habitats/Waterways

University City Transportation Corridor

Figure 4a

Merkel & Associates, Inc.

Attachment 61

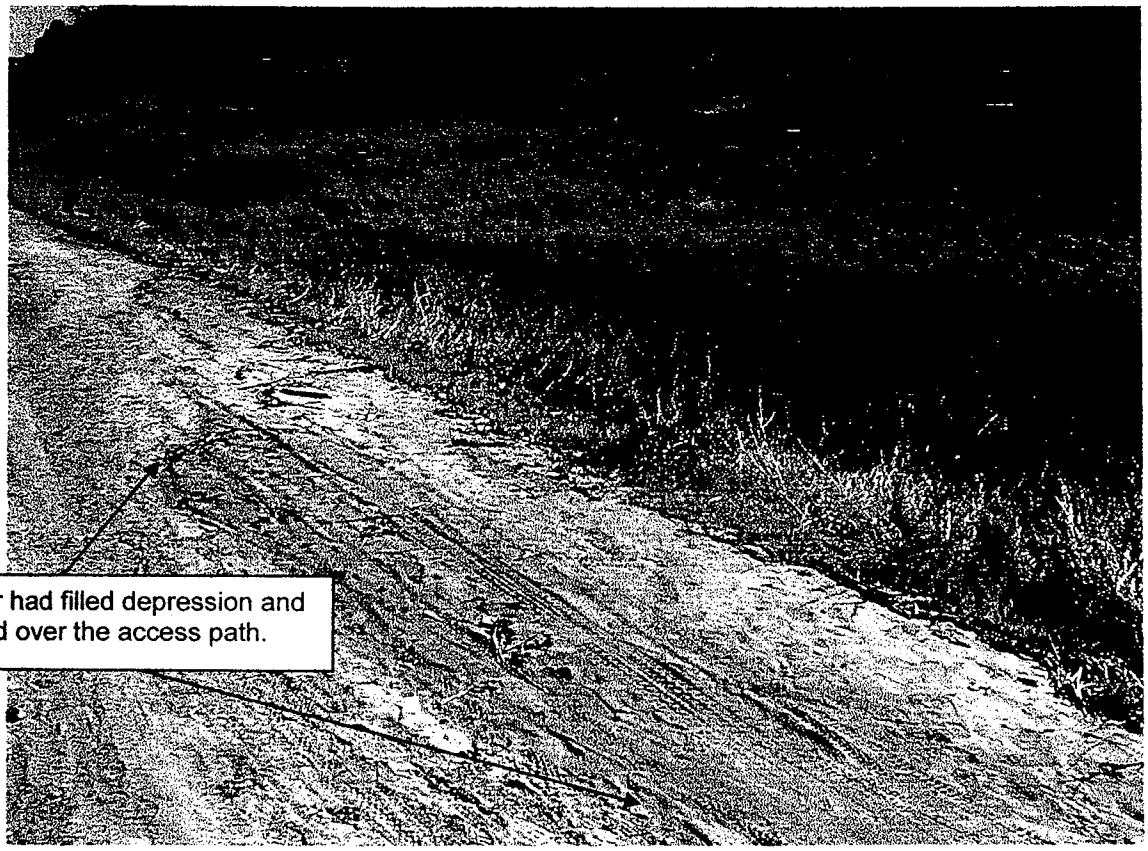


Wetland and Jurisdictional Non-wetland Resources within Rose Canyon

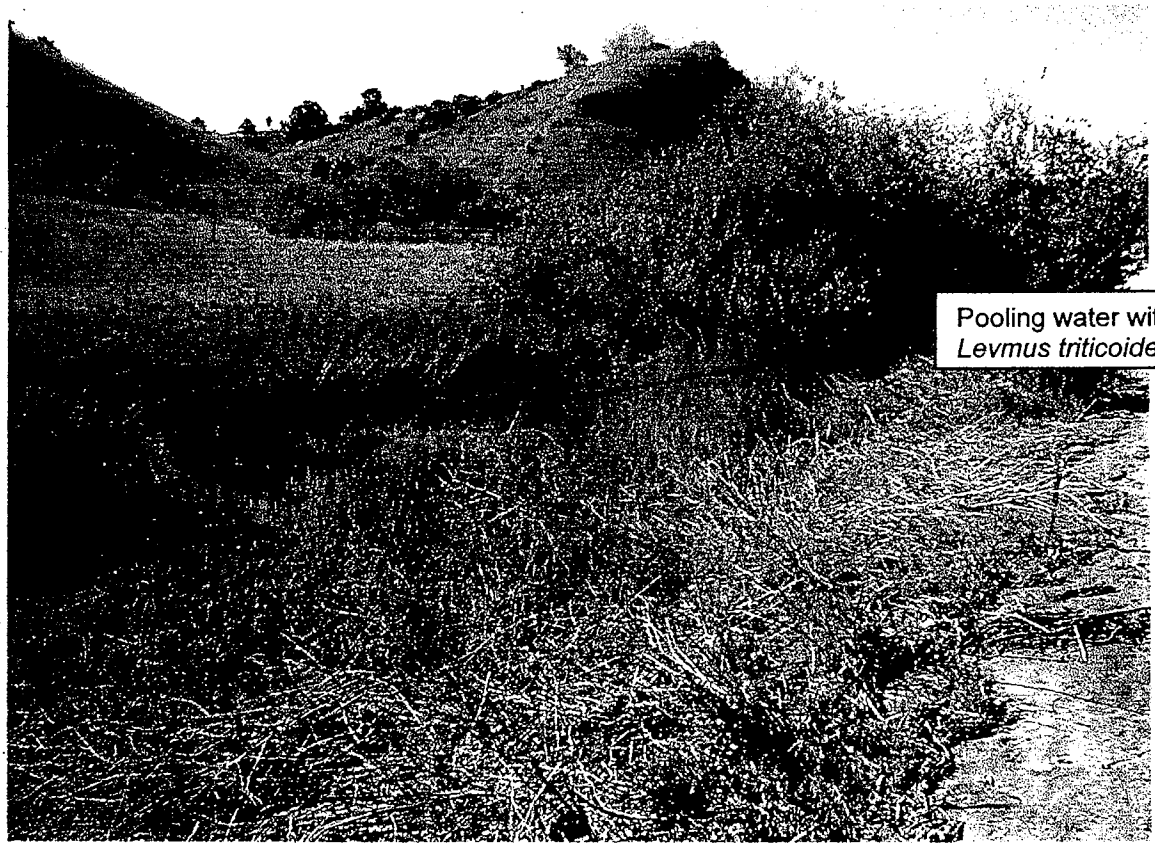
Attachment 62


9
9

Attachment 63



Water had filled depression and flowed over the access path.



Pooling water with *Rumex*, *Levmus triticoides*. SWS. etc.

Deborah Knight

From: Keith W. Merkel [KMerkel@merkelinc.com]
Sent: Monday, November 01, 2004 8:19 PM
To: Deborah Knight
Cc: Adam Behle
Subject: RE: standing water in RC at bridge site

Follow Up Flag: Follow up
Flag Status: Completed

Attachments: 11-1-04.doc

11-1-04.doc (821 KB)

Hi Deborah,
Adam sent me some photos and an e-mail indicating that he ran into you in the field and had a good talk with you. I appreciate your on-going input. I have not gone back to look at our report regarding the wetland, although I could, it may be easier to ask you: "Does our mapping accurately reflect the wetland, or is there a conflict in this area?"
Thanks,
Again

-----Original Message-----
From: Deborah Knight [mailto:dknight3@san.rr.com]
Sent: Monday, November 01, 2004 12:07 PM
To: Keith W. Merkel
Subject: standing water in RC at bridge site

Keith,

A couple of items on Rose Canyon:

- There is substantial standing water now in the wetland area on the south side of the dirt road at the base of the big hill that will be graded for the cut and fill road portion of the Regents Rd. project. I know this area was considered wetland in the studies because the vegetation is different - didn't know if you would want to document it with standing water. There was of course an even larger area right after last week's rains, but there is still quite a bit. I met Adam Bailey in the canyon this morning and asked him to photograph it for you. Don't know if he did or not.

-Our tracking expert did our transect on Sat. (this is part of the SD Tracking Team) - transect goes from Genesee to about 1+ mile west along the dirt road. Lots of bobcat sign, especially near the Regents path.
Also, a fox track to the west near the little footbridge.

Debby

Attachment 64

not define communities in a manner that is so variable on a seasonal or interannual basis as to nullify the classification except for a very narrow window around the mapping period. Based on the comments received, vegetation community descriptions were similarly reconsidered in light of the commenter's professional opinions. However, the project biologists stand by their original classification determinations, understanding that experts may disagree and that there are shared floristic characteristics between both the mapped communities and the suggested descriptions recommended by the commenter.

18.244 See response to comment 18.241.

18.245 See response to comment 18.241.

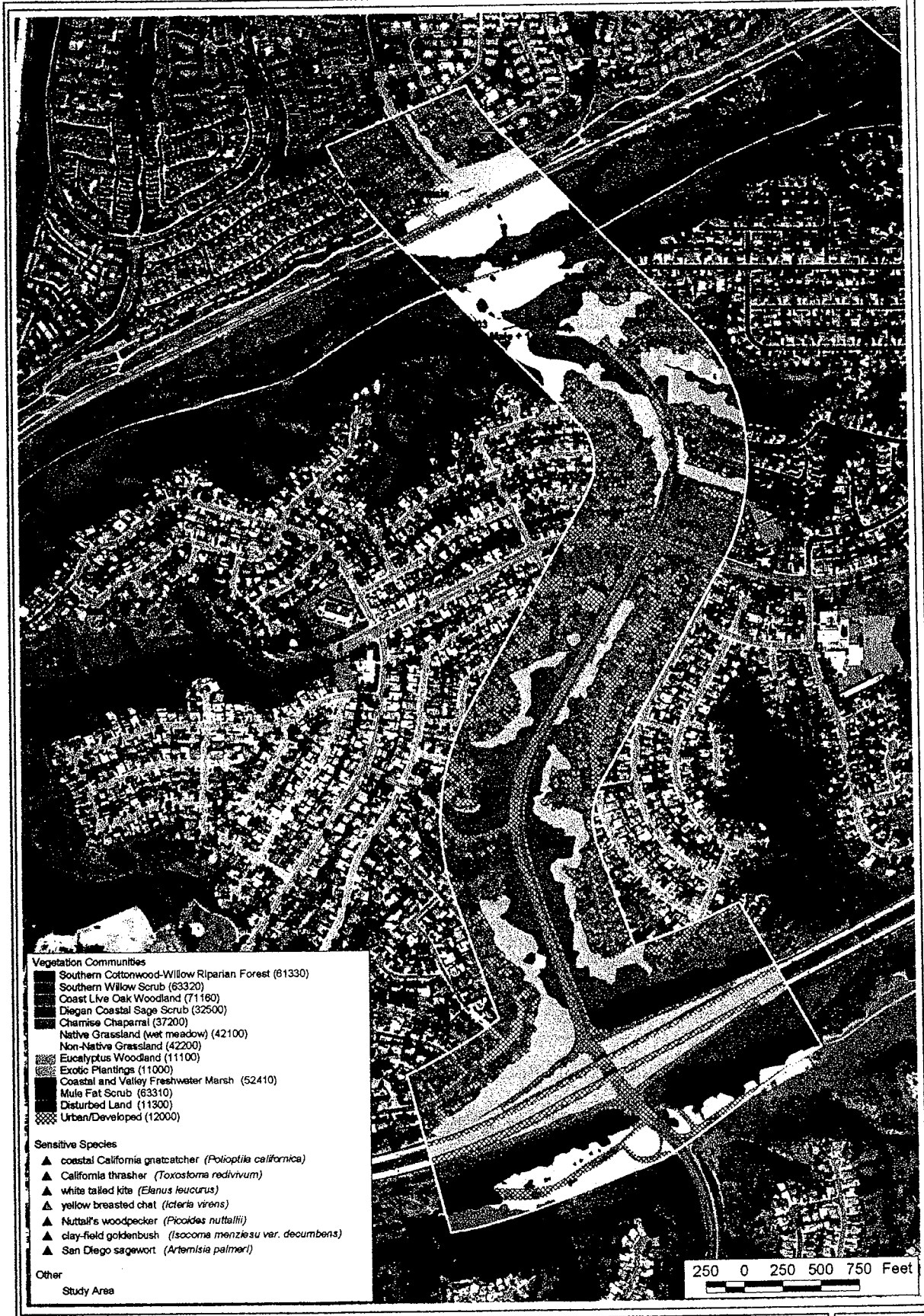
18.246 Of particular note in the habitat classification issues raised by the commenter is a concern regarding the classification of a low-lying swale along the Rose Canyon floor as native grassland rather than some other habitat type, alluding to the potential that the swale should potentially be considered a vernal pool. The particular site of concern was investigated extensively and is discussed on page 30 of the biological resource report and Appendix 3 of the report (EIR Appendix C). As indicated in the biological appendix, the swale is the result of isolation of lower sloping terrain behind an elevated trail constructed on a berm near the edge of the canyon floor. Water from rain runoff is impounded in this area, but at the time of the investigations, no evidence of wetland hydrology or hydric soils was noted. However, meeting the hydrophytic vegetation criteria during wetland delineation work, this area was mapped as a jurisdictional wetland by City of San Diego definition. It failed to be considered a jurisdictional wetland under state or federal standards. As such, it was mapped as a native grassland (wet meadow) since it was dominated by nearly 100% cover of beardless wild rye grass, with a sparse occurrence of exotic species. No vernal pool indicator plants were identified and the area is not a vernal pool based on flora, geologic origin, or hydrogeologic characteristics. Further, as indicated within the Biological Resources Report (EIR Appendix C, page 43), "A literature search of previously completed vernal pool surveys (Bauder 1986, U. S. Fish and Wildlife Service 1997, and City of San Diego 2004) revealed no historic locations of vernal pools within the study area or its immediate vicinity. The nearest extant vernal pools are over one mile to the northeast in the vicinity of Nobel Drive and MCAS Miramar."

Because of the characteristics of the swale, it is not suited to supporting vernal pool species and, as such, surveys for vernal pool species were not conducted in the pool. However, rare plant surveys of the area were conducted as part of the investigations. No rare plants were identified within this habitat.

On November 1, 2004, subsequent to significant winter rainfall events and flooding along Rose Creek, the project biologist, Adam Behle, was in Rose Canyon conducting mitigation site opportunities identification work. On this date, Mr. Behle was met by Ms. Debbie Knight who requested Mr. Behle to review the swale area and take photos to document ponding water and sediment marks on vegetation. Based on this visit and subsequent winter visits during the wetter than normal 2004-2005 winter, it was determined that this swale is subject to regular flooding by overbanking of Rose Creek. As such, the site would meet requirements to be considered a water of the U.S. under ACOE jurisdiction. The biological technical report and the FEIR have been modified to reflect this determination. Because the area was already considered to be a wetland under City definitions, the CEQA significance determination remains unchanged.

Attachment 65

Attachment 66



Regents Road Corridor Vegetation Communities and Sensitive Species

University City Transportation Corridor

Figure 3a

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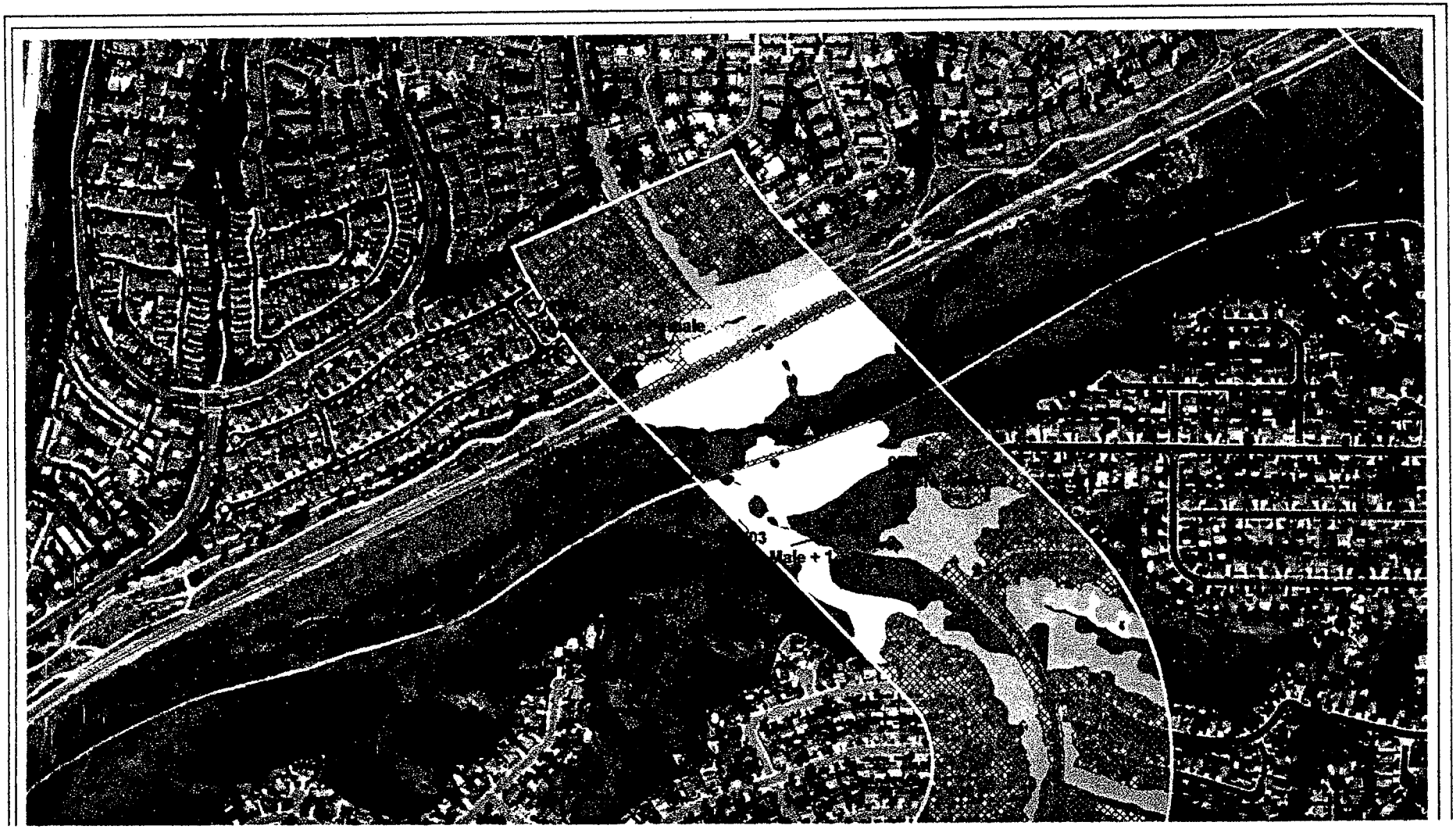
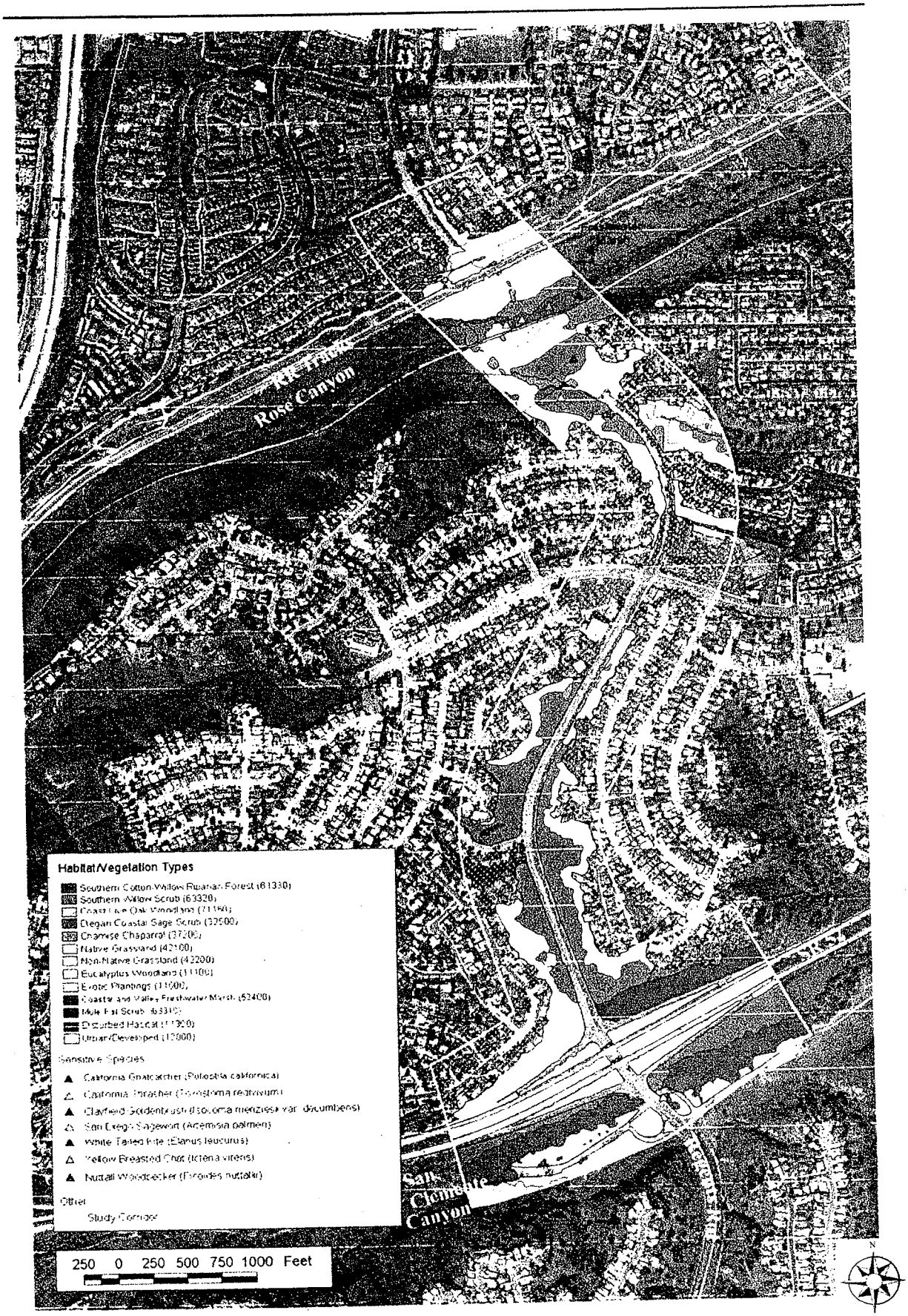
Attachment 67



Biological Report Figure 3a Zoomed in view to show California gnatcatchers (CAGN)

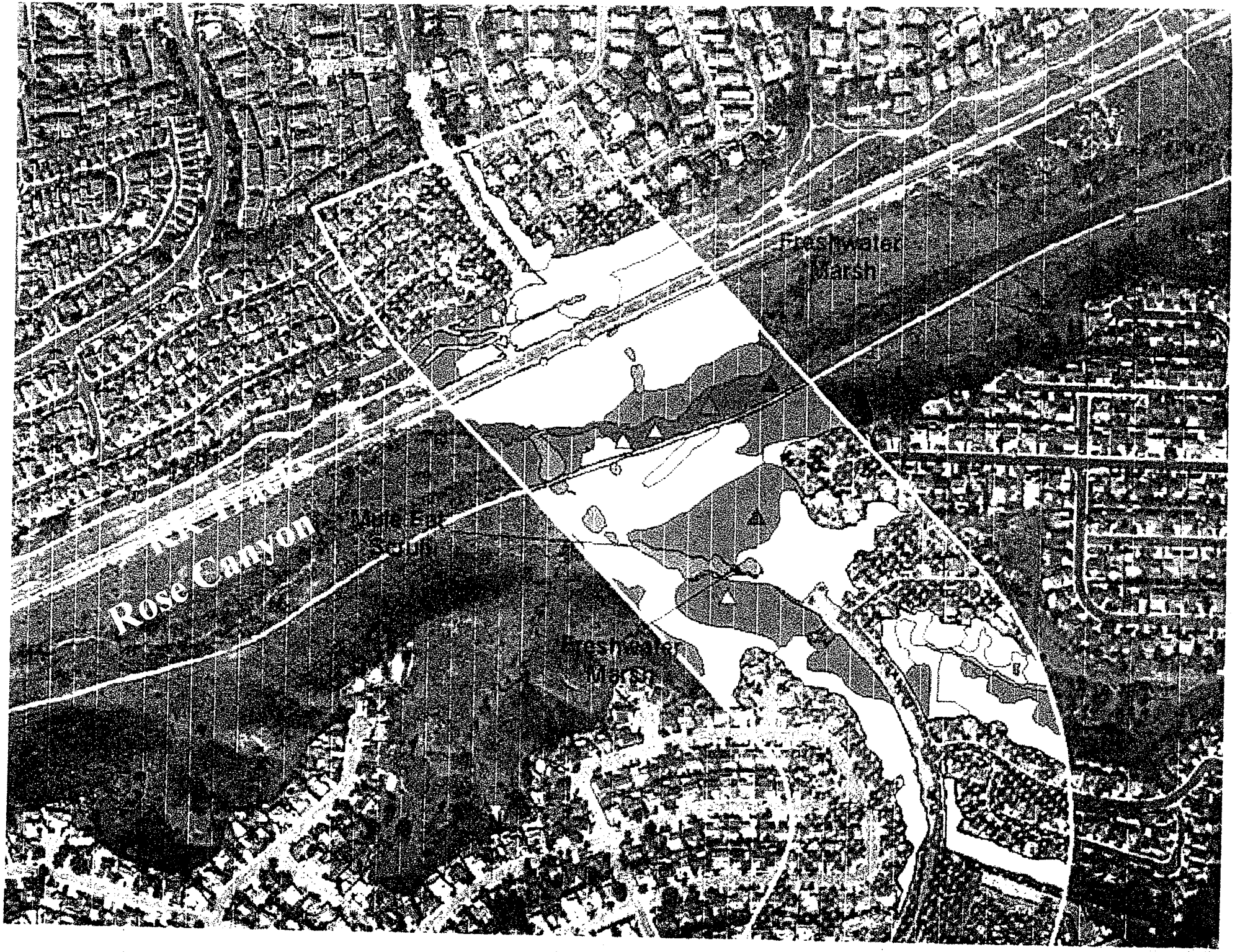
Attachment 68



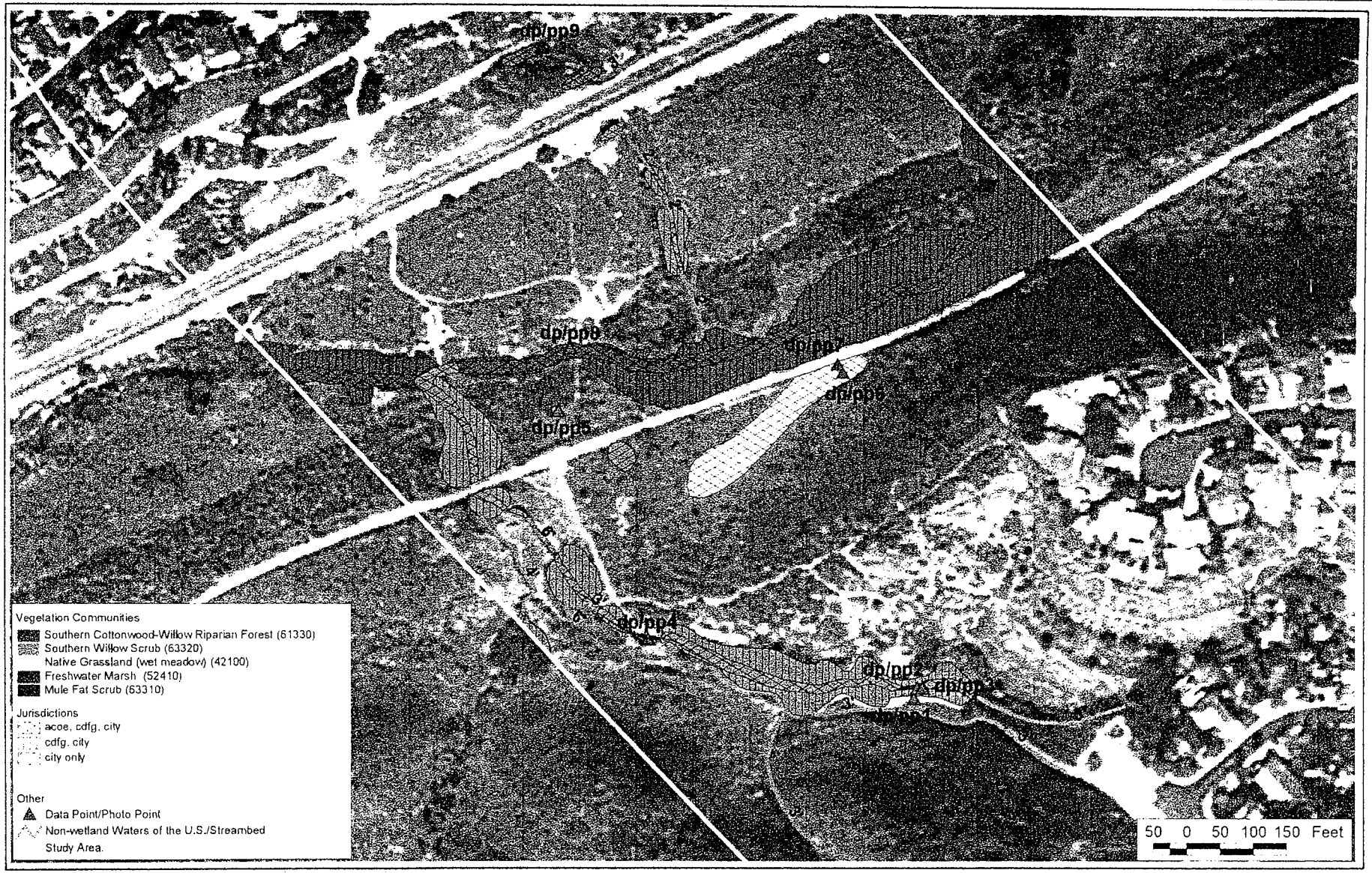
Source: Merkel and Associates, 9/14/2001

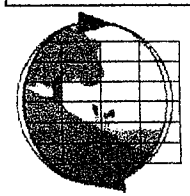
Regents Road Corridor Vegetation Communities & Sensitive Species — Figure 4.3-4

Attachment 69


Freshwater
Marsh
Rose Canyon
Freshwater
Marsh

Attachment 70





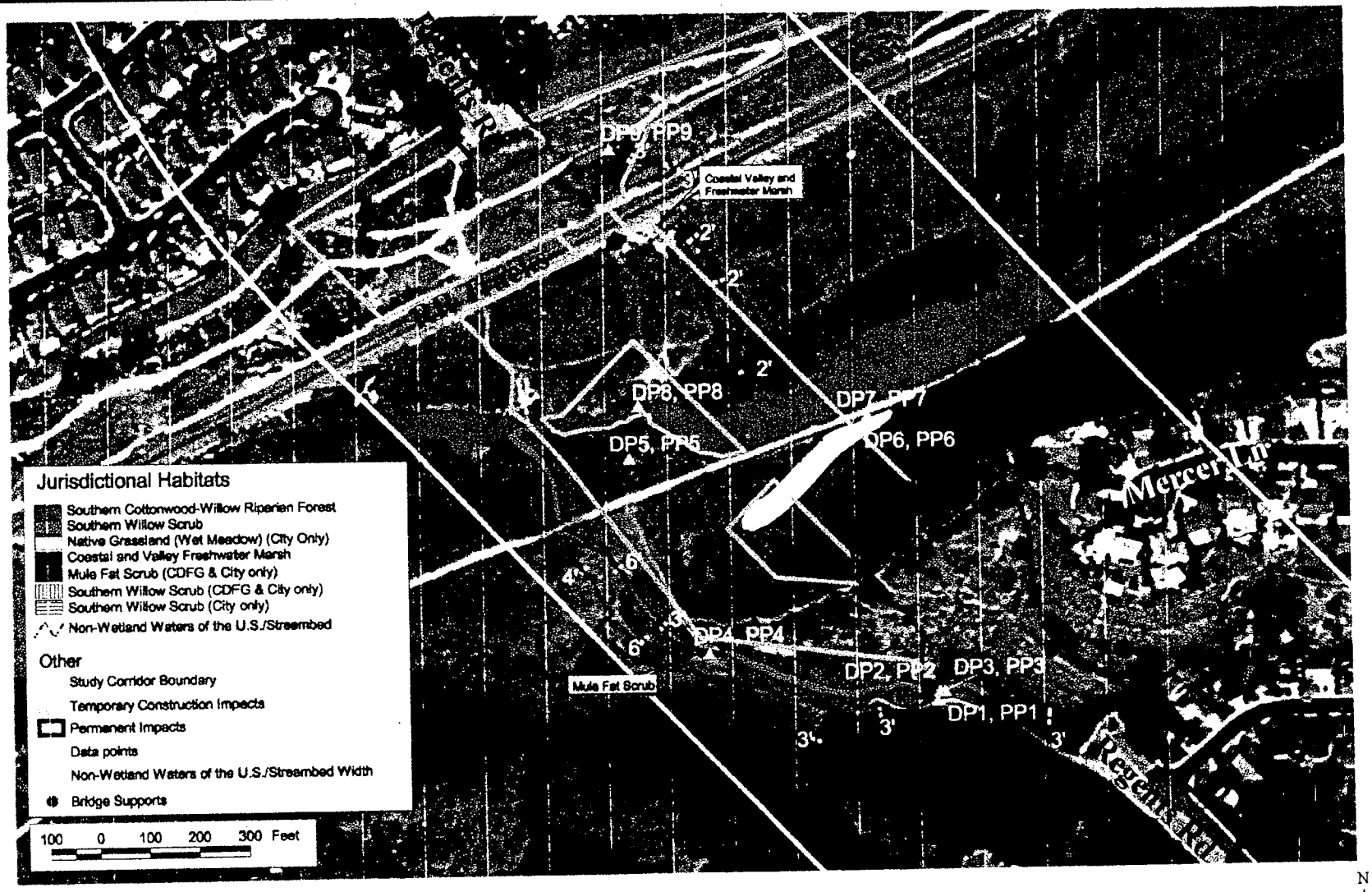
Regents Road Corridor (Rose Canyon) Jurisdictional Habitats/Waterways

University City Transportation Corridor

Figure 4a

Merkel & Associates, Inc.

Attachment 71



Source: Merkel and Associates, 5/19/2004

ACOE, CDFG, and City of San Diego Jurisdictional Wetlands and Waterways, Regents Road Corridor (Rose Canyon) — Figure 4.3-5A