Figures:

Figure 1, Vicinity Map

Figure 2A, Project Location Map

Figure 2B, Project Location Map

Figure 3, Least Bell's Vireo Habitat and Jurisdictional Waters

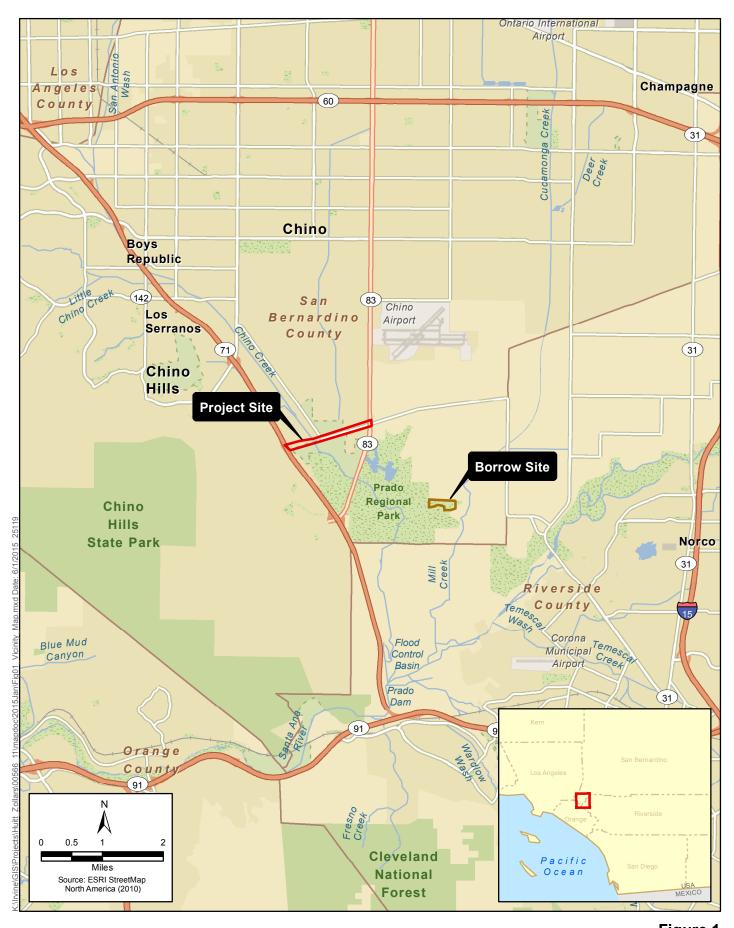
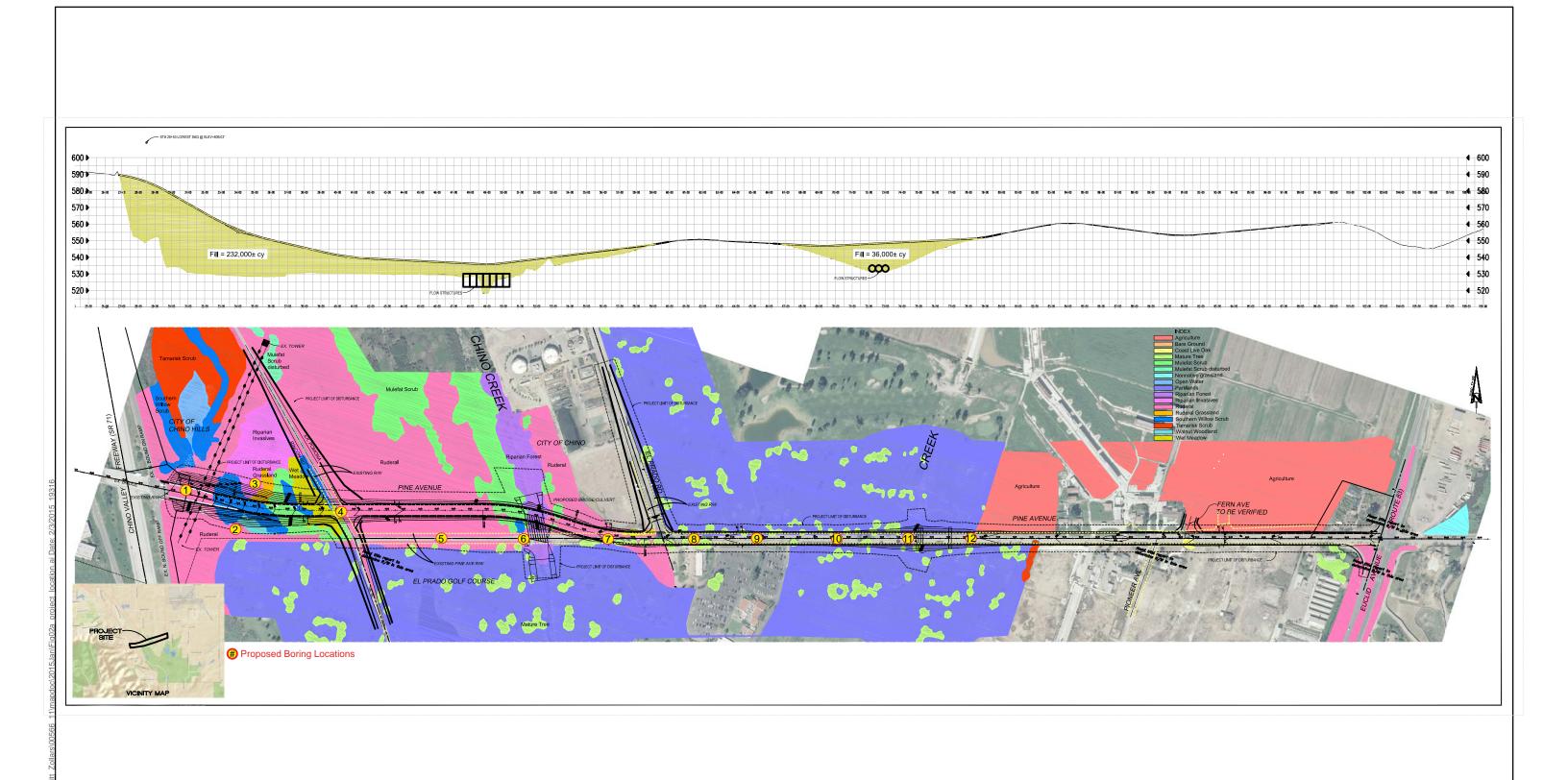
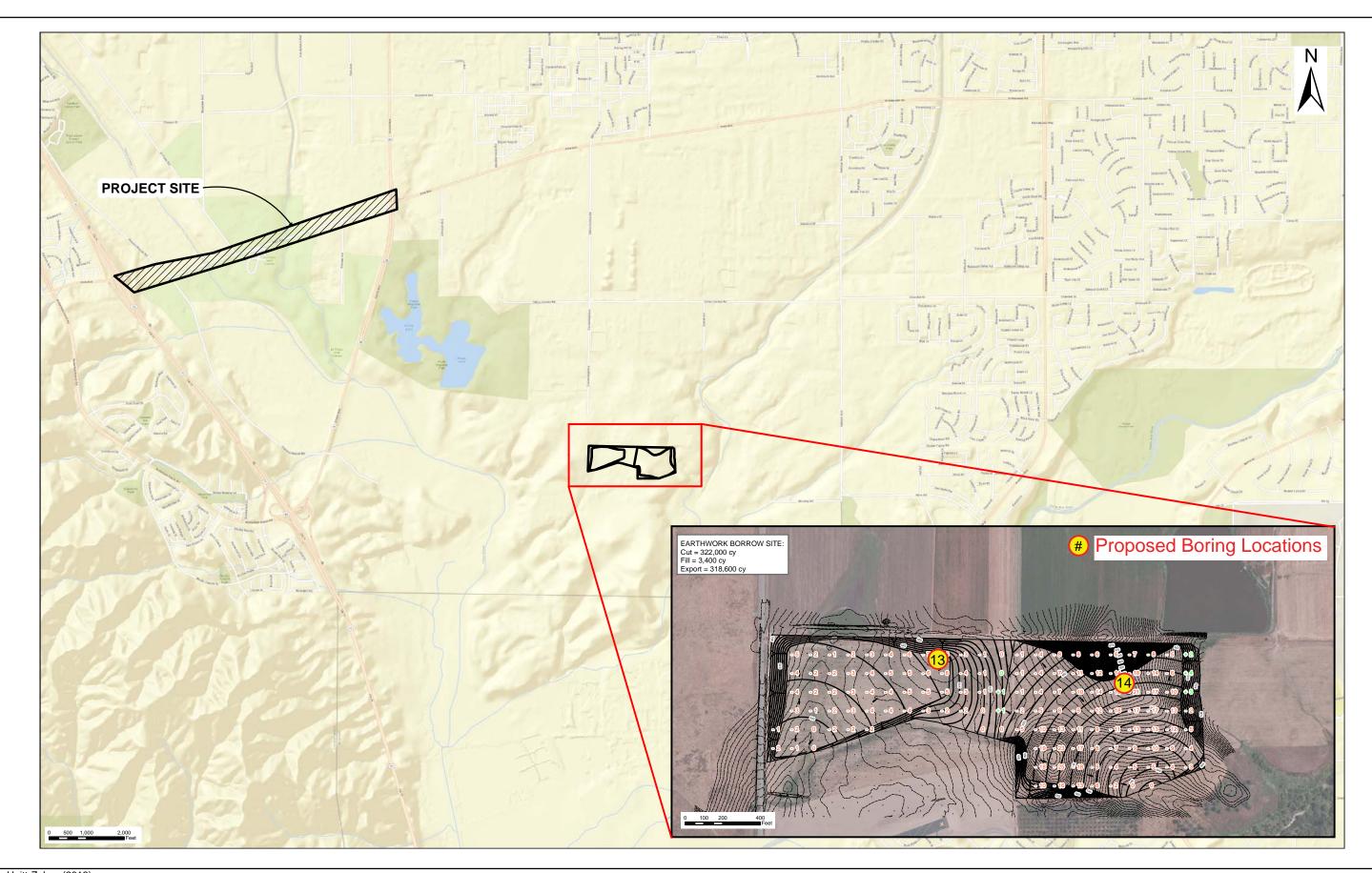


Figure 1 Vicinity Map Pine Avenue Extension



Source: Huitt-Zolars (2014)



Source: Huitt-Zolars (2013)



Figure 3
Least Bell's Vireo Habitat and Jurisdictional Waters
Pine Avenue Extension

Appendix A:

Wetland Determination Data Form

WETLAND DETERMINATION DATA FORM – Arid West Region

Districts Prof. Are - Purch 7		City/County Chino I	San Bernardino Sampling Date: 1-23-2015
Project/Site: Chi a S Chi a		, , , , , , , , , , , , , , , , , , ,	State: CA Sampling Point: SP-1
Applicant/Owner:	Deat 9	Section Township Ra	me Tas l &w sec 36
Investigator(s): Topus (32 Profes	0002/	least seliat (conseve	sonias pana): Nove Slone (%): <1 %
Landform (hillslope, terrace, etc.): <u>eag of hask</u>		Local relief (concave,	convex, none): Slope (%): _<1 %
Subregion (LRR):	Lat:		_ Long: Datum:
Soil Map Unit Name: Sollento (1ay	loam, O	to 2 perce	NWI classification:
Are climatic / hydrologic conditions on the site typical	for this time of yea	r? Yes No _	(If no, explain in Remarks.)
			"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally prob	olematic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site r	nap showing	sampling point I	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No /	Is the Sampled	1 Area
Hydric Soil Present? Yes	No ×	within a Wetlan	\/
Wetland Hydrology Present? Yes	No <u> </u>	Within a Wetlan	
Remarks:	94		
VEGETATION - Use scientific names of	plants.		
		Dominant Indicator Species? Status	Dominance Test worksheet:
Tree Stratum (Plot size:)	-		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
1.			
2			Total Number of Dominant Species Across All Strata: (B)
3.			
4.		= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)
Sapling/Shrub Stratum (Plot size: 101)		V (
1. Rain ex chesions			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species x 1 = FACW species
4			FAC species x2 =
5		= Total Cover	FACU species 30 x4 = 120
Herb Stratum (Plot size: 5)		= Total Cover	UPL species x 5 =
1. Bristly ox torque	20_	Y FACU	Column Totals: <u>65</u> (A) <u>220</u> (B)
2 Comme maculatum	5	N FACE	
3. Galium aparine	10	Y FACY	Prevalence Index = B/A =
4			Hydrophytic Vegetation Indicators:
5.			_ Dominance Test is >50%
6			Prevalence Index is ≤3.0¹
7			Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8			Problematic Hydrophytic Vegetation¹ (Explain)
West None Obstance (Blat size)	45	= Total Cover	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Woody Vine Stratum (Plot size:)			¹ Indicators of hydric soil and wetland hydrology must
1			be present, unless disturbed or problematic.
2	0	= Total Cover	Hydrophytic
· · · · · · · · · · · · · · · · · · ·			Vegetation Present? Yes No
% Bare Ground in Herb Stratum %	Cover of Biotic Cru	ust	Present? Yes NoX
Remarks:			

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹	Loc ² Texture Remarks
0-13 54 3/2 100	
13-18 54 3/2 20	daylan
	<u>day loon</u>
	clay lang
18-32 5/R 25/1 100%	clay loan
¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated S	and Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Depressions (F8) Vernal Pools (F9)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Vernal Pools (F9)	wetland hydrology must be present,
Restrictive Layer (if present):	unless disturbed or problematic.
Type:	
Type.	
	Hudela Sall Brands Van
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	Hydric Soil Present? Yes No
Depth (inches):	
Depth (inches):	Secondary Indicators (2 or more required)
Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inches): Comparison	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2)
Depth (inches): Comparison	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Pry-Season Water Table (C2) Crayfish Burrows (C8) Set (C6) Saturation Visible on Aerial Imagery (C9)
Pepth (inches): Commarks:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches): Commarks	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Pry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9)
Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Pry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Commarks	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Poperty (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Poperty (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Seturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Popth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Popth (inches): Popth (inches): Popth (inch	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Popth (inches): Popth (inches): Popth (inch	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No

WETLAND DETERMINATION DATA FORM – Arid West Region

Dias Ada Passa		Clair	ol San Bernardino Sampling Date: 1-23-20
		City/County:	State: Sampling Point:Sp-2
Applicant/Owner:	Dect	Castian Taumahin Ba	TZS 0 Sun Sec 36
Investigator(s): That is a fine (Long Cache)	i i	Section, Township, Ra	Slone (%): 6
Landform (hillslope, terrace, etc.):	SIN	Local relief (concave,	convex, none): None Slope (%): Slope (%): Sl
Subregion (LRR):	Lat:		Long: Datum: Datum:
Soil Map Unit Name: 2000ento clay loan	10-2	percent	NWI classification:
Are climatic / hydrologic conditions on the site typical for			
Are Vegetation N, Soil N, or Hydrology			"Normal Circumstances" present? Yes No
Are Vegetation N , Soil N , or Hydrology N			eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showing	sampling point I	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No X		
Hydric Soil Present? Yes		Is the Sampled	nd? Yes No
Wetland Hydrology Present?		within a wetiai	ndr TesNo
Remarks:			
VEGETATION – Use scientific names of pla	ants		
		Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30'		Species? Status	Number of Dominant Species
1			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4		= Total Cover	Percent of Dominant Species That Are OBL FACW or FAC: (A/B)
Sapling/Shrub Stratum (Plot size:)			That Are OBL, FACW, or FAC: (A/B)
1. Cumer Carspus	30	Y FACT	Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species x 1 =
4			FACW species x 2 = FAC species 8 0 x 3 = 9 0
5		= Total Cover	FACU species 35 x 4 = 140
Herb Stratum (Plot size:)			UPL species x 5 = _\00
1. Holminotheca echiodes	30	Y FACY	Column Totals: 95 (A) 330 (B)
2. Conjum maculation	5_	N FACU	Prevalence Index = B/A =
3. Browns sp. (seedling)		y UPL	Hydrophytic Vegetation Indicators:
4			Dominance Test is >50%
5			Prevalence Index is ≤3.0¹
6			Morphological Adaptations¹ (Provide supporting
7			data in Remarks or on a separate sheet)
8	- 55	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size: 30)	,		
1			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2			
,		= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cov	ver of Biotic Cr	ust	Present? Yes No
Remarks:			

	he depth needed to document the indicator or co	onfirm the absence of indicators.)
DepthMatrix	Redox Features	
(inches) Color (moist)	% Color (moist) % Type Lo	c ² Texture Remarks
0- 2543/3	100	day loan
¹ Type: C=Concentration, D=Depletion	n, RM=Reduced Matrix, CS=Covered or Coated San	od Craine 21 - 21 - 21 - 21 - 21 - 21 - 21 - 21
Hydric Soil Indicators: (Applicable	to all LRRs, unless otherwise noted.)	d Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Verlic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A1		
Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	wetland hydrology must be present,
		unless disturbed or problematic.
estrictive Laver (if present).		
Restrictive Layer (if present): Type: Double (inches):		
Type:		Hydric Soil Present? Yes _ / No
Type: Depth (inches): Remarks: **TOROLOGY **John Control Contro		
Type: Depth (inches): Remarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one reg	uired; check all that apply)	Secondary Indicators (2 or more required)
Type: Depth (inches): Remarks: /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one req _ Surface Water (A1)	uired; check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Recognitions	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Recomply and the control of the c	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) > Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Recent Iron Reduction in Tilled Soils (C	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Represence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) (B7) Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) > Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Recent Iron Reduction in Tilled Soils (C	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) > Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Re Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C1) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) > Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Re Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C1) / (B7) Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Recent Iron Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Recent Iron Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) > Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Re Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Recent Iron Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) > Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Re Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) > Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Re Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type:	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) > Hydrogen Sulfide Odor (C1) ne) Oxidized Rhizospheres along Living Re Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C) Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

Subregion (LRR):	Project/Site: PLACANE -BOTE 2	City/County: Chino	San Bernardino Sampling Date: \$ 1/23
No.	Applicant/Owner City of Chino		State: Sampling Point: Sampling Point:
Local relief (concave, convex, none): Slope (%): Subregion (LRR): Lat: Long Datum: Southersjon (LRR): Long Datum: Long Datum: South Species Long Datum: Long Datum: South Species Long Datum:	Marisa Flores and 70014	West Section Township F	Range T25 RBW Sec36
Subtragion (LRR):	Investigator(s).	Local relief (concave	e. convex. none): Slope (%): <
Soil Map Unit Name: Sofforth Soil April Name: Sofforth Soil April Name: Sofforth Soil April Name: Soil April Na	Landform (nillslope, terrace, etc.).	Lat:	Long: Datum:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology antirally problematic? (If needed, explain any answers in Remarks.) Soil or Hydrology Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No No No No No No No No No N	Subregion (LRR):	_ Lai	Long DUA!! classification:
Are Vegetation N Soil N or Hydrology N significantly disturbed? Are Normal Circumstances' present? Yes No (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X No Is the Sampled Area within a Wetland? Yes No Within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No No Is the Sampled Area within a Wetland? Yes No Is the			
Same Note Soil Note No	Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes No	(If no, explain in Remarks.)
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes X No			
Hydrophytic Vegetation Present? Yes X No No No Within a Wetland? Yes X No Within a Wetland? Yes Ye	Are Vegetation, Soil, or Hydrology r	naturally problematic? (If	needed, explain any answers in Remarks.)
Hydric Sol Present? Yes X No within a Wetland? Yes No	SUMMARY OF FINDINGS - Attach site map	showing sampling point	locations, transects, important features, etc.
Hydric Soil Present? Yes X No	Hydrophytic Vegetation Present? Yes X N	0 Is the Samul	ad Area
VEGETATION - Use scientific names of plants. Absolute Dominant Indicator % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC; Z (A)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	is the outliple	
VEGETATION - Use scientific names of plants. Dominant Indicator % Cover Species? Status Status Number of Dominant Species That Are OBL, FACW, or FAC: Z (A)		0	163 <u> </u>
Absolute % Cover Species Status Number of Dominant Species That Are OBL, FACW, or FAC: Absolute % Cover Species Status Number of Dominant Species That Are OBL, FACW, or FAC: Absolute Ab	Remarks:		
Absolute % Cover Species Status Number of Dominant Species That Are OBL, FACW, or FAC: Absolute Species Status Total Number of Dominant Species That Are OBL, FACW, or FAC: Absolute Absolute Species Across All Strata: Absolute Species Across All Strata: Absolute A			
Absolute Species Status Dominant Indicator Species Status Number of Dominant Species That Are OBL, FACW, or FAC: Z			
Absolute Species Status Dominant Indicator Species Status Number of Dominant Species That Are OBL, FACW, or FAC: Z			
Number of Dominant Species Z (A)	VEGETATION – Use scientific names of plan		
That Are OBL, FACW, or FAC: 2 (A) That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species That Are OBL, FACW, or FAC: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 4 (B) Total Younger That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or FAC: 4 (B) Total Younger That Are OBL, FACW, or FAC: 4 (B) OBL Species That Are OBL, FACW, or Fac: 4 (B) Total Younger That Are OBL, FACW, or Fac: 4 (B) Total Younger That Are OBL, FAC	Trac Stratum (Plot size: 30		
Total Number of Dominant Species Across All Strata: Sapling/Shrub Stratum (Plot size: 10) Sapling/Shrub Stratum (Plot size: 10) 1. Typha dominants Species That Are OBL, FACW, or FAC: That Are OBL, FACW, or FACW, or FAC: That Are OBL, FACW, or FAC: That Are OBL, FACW, or F		70 GOLG	Number of Dominant Opecies
Sapling/Shrub Stratum (Plot size: 101			Total Number of Deminant
Percent of Dominant Species That Are OBL, FACW, or FAC:			
That Are OBL, FACW, or FAC:	4		
Sapling/Shrub Stratum (Plot size: 10 1. Ty ph a domingens/s 5 N Fac Total % Cover of: Multiply by: OBL species x1 = FACW species x2 = FAC species x3 = FACW species x3 = FACW species x4 = UPL species x5 = Column Totals: (A) (B) (A) (B) (A) (B)		= Total Cover	
1. Ay pha dominages; 50 7 Cab 2. Rum ex crisus 5 N Fac 3. Con ium Maculatum 20 Y Facu 4. 5. 6. 7. 8. Woody Vine Stratum (Plot size: 30) 8. Woody Vine Stratum (Plot size: 30) 8.	Sapling/Shrub Stratum (Plot size: 10	• V	
3	1. Typha domingensis		-
FACW species			
FAC species x3 =			
Herb Stratum (Plot size: 5	4		-
Herb Stratum (Plot size:	5	75 = Total Cover	
Column Totals:	Herb Stratum (Plot size:5)		·
3.	1		- Column Totals: (A) (B)
Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Woody Vine Stratum (Plot size: 30) Thindicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Bare Ground in Herb Stratum 600 % Cover of Biotic Crust 600 Present? Yes No 600	2.		
5	3.		
6	4		
Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Bare Ground in Herb Stratum			
data in Remarks or on a separate sheet) — Problematic Hydrophytic Vegetation¹ (Explain) 1	6		
8 = Total Cover	7		
Woody Vine Stratum (Plot size:	8		
1	Woody Vine Stratum (Plot size: 20)	= Total Cover	
2			
© = Total Cover % Bare Ground in Herb Stratum			be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum 100 % Cover of Biotic Crust 0 Vegetation Present? Yes No	2.	() = Total Cover	Hydrophytic
% Bale Glouid in Help Stratchin	100 %		Vegetation Present? Ves Ves Ves
Remarks:	% Bale Glodila III Tielb Stratain % Goto.	of blotte crust	11656HL1 165_/
	Remarks:		
	*		

^	_		
5	()	п	

Sampling Point: 50 3

Profile Description: (Describe to the deptile Depth Matrix	Redox Features			
(inches) Color (moist) %	Color (moist) % Type	Loc ²	Texture	Remarks
0-12 2543/2 100%		_	clay in	
0				
				•
17		-		
¹ Type: C=Concentration, D=Depletion, RM=R Hydric Soil Indicators: (Applicable to all LF	Reduced Matrix, CS=Covered or Co	ated Sand Grain		: PL=Pore Lining, M=Matrix.
— Histosol (A1)				roblematic Hydric Soils ³ :
Histosof (A1) Histic Epipedon (A2)	Sandy Redox (S5)		1 cm Muck	
Black Histic (A3)	Stripped Matrix (S6) Loamy Mucky Mineral (F1)			(A10) (LRR B)
X Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		Reduced Ve	Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)		Other (Expla	
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)		Office (Explic	in in itemates)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)			
Thick Dark Surface (A12)	Redox Depressions (F8)		3Indicators of hyd	drophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)			logy must be present,
Sandy Gleyed Matrix (S4)			unless disturb	ed or problematic.
Restrictive Layer (if present):				
Type:	_			The state of the s
Depth (inches):			Hydric Soil Prese	ent? Yes X No
Depth (inches):Remarks:			Hydric Soil Prese	ent? Yes <u>X</u> No
Depth (inches):Remarks:			Hydric Soil Prese	ent? Yes <u>X</u> No
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators:	heck all that apply)			
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; ch			Secondary I	ndicators (2 or more required)
Depth (inches): Primary Indicators (minimum of one required; check the control of the control o	Salt Crust (B11)		Secondary II	ndicators (2 or more required) arks (B1) (Riverine)
Depth (inches): PREMARKS: YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check the color of the	Salt Crust (B11) Biotic Crust (B12)		Secondary II Water M Sedimer	ndicators (2 or more required) arks (B1) (Riverine) nt Deposits (B2) (Riverine)
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)		Secondary II Water M Sedimer Drift Dep	ndicators (2 or more required) larks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine)
Depth (inches): PROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check the surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		Secondary II Water M Sedimer Drift Dep	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) at Patterns (B10)
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along	Living Roots (0	Secondary II Water M Sedimer Drift Dep Drainage Dry-Sea	ndicators (2 or more required) larks (B1) (Riverine) lat Deposits (B2) (Riverine) losits (B3) (Riverine) le Patterns (B10) lson Water Table (C2)
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C-	Living Roots (0	Secondary II Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) sosits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8)
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille	Living Roots (0	Secondary II Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic	ndicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) cosits (B3) (Riverine) e Patterns (B10) son Water Table (C2) Burrows (C8) in Visible on Aerial Imagery (C9)
Depth (inches): PREMARKS: PYDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one required; check the color of th	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7)	Living Roots (0	Secondary II Sedimer Drift Dep Drainage Trayfish Saturatic Shallow	ndicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) cosits (B3) (Riverine) e Patterns (B10) son Water Table (C2) Burrows (C8) in Visible on Aerial Imagery (C9) Aquitard (D3)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Inimary Indicators (minimum of one required; check the color of the	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille	Living Roots (0	Secondary II Sedimer Drift Dep Drainage Trayfish Saturatic Shallow	ndicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) cosits (B3) (Riverine) e Patterns (B10) son Water Table (C2) Burrows (C8) in Visible on Aerial Imagery (C9)
Depth (inches): Property Property	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7) Other (Explain in Remarks)	Living Roots (0	Secondary II Sedimer Drift Dep Drainage Trayfish Saturatic Shallow	ndicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) cosits (B3) (Riverine) e Patterns (B10) son Water Table (C2) Burrows (C8) in Visible on Aerial Imagery (C9) Aquitard (D3)
Depth (inches): Property Pro	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Living Roots (0	Secondary II Sedimer Drift Dep Drainage Trayfish Saturatic Shallow	ndicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) cosits (B3) (Riverine) e Patterns (B10) son Water Table (C2) Burrows (C8) in Visible on Aerial Imagery (C9) Aquitard (D3)
Depth (inches):	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Living Roots (04) d Soils (C6)	Secondary II Water M Sedimer Drift Dep Drainage C3) Dry-Sea Crayfish Saturatio Shallow FAC-Net	ndicators (2 or more required) larks (B1) (Riverine) lat Deposits (B2) (Riverine) losits (B3) (Riverine) le Patterns (B10) lson Water Table (C2) Burrows (C8) lin Visible on Aerial Imagery (C9) Aquitard (D3) ltral Test (D5)
Depth (inches): Proport Proport	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Living Roots (04) d Soils (C6)	Secondary II Sedimer Drift Dep Drainage Trayfish Saturatic Shallow	ndicators (2 or more required) larks (B1) (Riverine) lat Deposits (B2) (Riverine) losits (B3) (Riverine) le Patterns (B10) lson Water Table (C2) Burrows (C8) lin Visible on Aerial Imagery (C9) Aquitard (D3) ltral Test (D5)
Depth (inches): Property Petland Hydrology Indicators: Primary Indicators (minimum of one required; check Che	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (04) d Soils (C6) Wetland I	Secondary II Water M Sedimer Drift Der Drainage Signature Saturation FAC-Neu	ndicators (2 or more required) larks (B1) (Riverine) lat Deposits (B2) (Riverine) losits (B3) (Riverine) le Patterns (B10) lson Water Table (C2) Burrows (C8) lin Visible on Aerial Imagery (C9) Aquitard (D3) ltral Test (D5)
Primary Indicators (minimum of one required; check the state of the st	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (04) d Soils (C6) Wetland I	Secondary II Water M Sedimer Drift Der Drainage Signature Saturation FAC-Neu	ndicators (2 or more required) larks (B1) (Riverine) lat Deposits (B2) (Riverine) losits (B3) (Riverine) le Patterns (B10) lson Water Table (C2) Burrows (C8) lin Visible on Aerial Imagery (C9) Aquitard (D3) ltral Test (D5)
Primary Indicators (minimum of one required; check the state of the st	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (04) d Soils (C6) Wetland I	Secondary II Water M Sedimer Drift Der Drainage Signature Saturation FAC-Neu	ndicators (2 or more required) larks (B1) (Riverine) lat Deposits (B2) (Riverine) losits (B3) (Riverine) le Patterns (B10) lson Water Table (C2) Burrows (C8) lin Visible on Aerial Imagery (C9) Aquitard (D3) ltral Test (D5)
Pepth (inches): Primary Indicators (minimum of one required; cf. Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) ield Observations: urface Water Present? Yes No Vater Table Present? Yes No	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Tille Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Living Roots (04) d Soils (C6) Wetland I	Secondary II Water M Sedimer Drift Der Drainage Signature Saturation FAC-Neu	ndicators (2 or more required) larks (B1) (Riverine) lat Deposits (B2) (Riverine) losits (B3) (Riverine) le Patterns (B10) lson Water Table (C2) Burrows (C8) lin Visible on Aerial Imagery (C9) Aquitard (D3) ltral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

0 7		0 l al	C 0		1-22	-2015
Project/Site: Pine Ave - Bove 2	City/C	ounty: Ohing	san kernan	dino Sampling	Date:	· · ·
Applicant/Owner: City of Chino						7
Investigator(s): Marisa Flores and Zacki	Section Section	on, Township, Ran	ge: <u>TZS</u>	RYW, Jec	26	21
Landform (hillslope, terrace, etc.): add of has	Local	relief (concave, c	onvex, none):	none	Slope (%): _	~
Subregion (LRR):	Lat:	Ph.	Long:		_ Datum:	
Soil Map Unit Name: Sociento Clay Los						
Are climatic / hydrologic conditions on the site typical for thi			(If no, expla	in in Remarks.)	V	
Are Vegetation, Soil, or Hydrology	significantly distur	bed? Are "N	Normal Circumsta	nces" present? `	es/_ No	,
Are Vegetation, Soil, or Hydrology	naturally problema	itic? (If nee	eded, explain any	answers in Rema	rks.)	
SUMMARY OF FINDINGS – Attach site map	showing san	pling point lo	cations, trans	sects, import	ant features	s, etc.
Hydrophytic Vegetation Present? Yes N	10 <u>×</u>	Is the Sampled	Δτοα			
Hydric Soil Present? Yes N		within a Wetland		sNo_	X	
Wetland Hydrology Present? Yes N	lo					
Remarks:						
VEGETATION – Use scientific names of plan	nts.			-	*	
		ninant Indicator	Dominance Tes	t worksheet:		
Tree Stratum (Plot size: 301)	% Cover Spe	cies? Status	Number of Domi		2	
1			That Are OBL, F.	ACW, or FAC:		(A)
2.			Total Number of		\bigcirc	(D)
3.			Species Across	All Strata:		(B)
4/	= To	tal Cover	Percent of Domin		0	(A/B)
Sapling/Shrub Stratum (Plot size: 10		lai Covei	That Are OBL, F.	ACVV, OF FAC:		(AVD)
1. Qumex crsp	- 2 - +	FAC	Prevalence Inde		2 11 may 12 12	
2. Conium maculatum	<u> 2</u> _ N	FACW			Multiply by:	
3				x 1		
4				x 3		
5	- LI - To	al Cover		x 4		
Herb Stratum (Plot size:)		lai Covei		x 5		
1				(A)		
2				D/A		
3				Index = B/A = _		
4		l.	Hydrophytic Ve		15.	
5			Prevalence I			
6				al Adaptations ¹ (F	rovide supporti	ina
7			data in Re	emarks or on a se	parate sheet)	
8	29	al Cover	Problematic	Hydrophytic Vege	tation¹ (Explain	1)
Woody Vine Stratum (Plot size:)						
			¹ Indicators of hyd be present, unless			ust
1			be present, unics	as disturbed or pre	Diomatio.	
. /	= Tot	al Cover	Hydrophytic Vegetation		V	
% Bare Ground in Herb Stratum	r of Biotic Crust _	O ,	Present?	Yes	No	
			1. 10			
Remarks: Shrub layer dollar	not meet	for a lo	ign.			
0						

Profile Description: (Describe Depth Matrix				absence of III	aicators.j
(inches) Color (moist)	% (Redox Features Color (moist) % Typ	e¹ Loc²	Texture	Remarks
0-13 54 3/2	100			clay laam	Remarks
40				-1	
3-24 54 D.S/1	100			Clay lain	
					*
			_		
Type: C=Concentration, D=Dep	letion, RM=Red	uced Matrix, CS=Covered or Co	nated Sand Gr	ains ² Location	PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Application	able to all LRR	s, unless otherwise noted.)	dica dana di		roblematic Hydric Soils ³ :
_ Histosol (A1)		Sandy Redox (S5)		1 cm Muck (-
Histic Epipedon (A2)		Stripped Matrix (S6)			A10) (LRR B)
Black Histic (A3)		Loamy Mucky Mineral (F1)		Reduced Ve	
_ Hydrogen Sulfide (A4)	_	Loamy Gleyed Matrix (F2)			Material (TF2)
Stratified Layers (A5) (LRR C	=	Depleted Matrix (F3)		Other (Expla	in in Remarks)
1 cm Muck (A9) (LRR D)	-	Redox Dark Surface (F6)			
Depleted Below Dark Surface	e (A11) _	Depleted Dark Surface (F7)			
Thick Dark Surface (A12)	-	Redox Depressions (F8)	. 2"		rophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	_	Vernal Pools (F9)			ogy must be present,
strictive Layer (if present):				unless disturbe	d or problematic.
outoute Layer (ii present).					
Type:					
Type:					4
Depth (inches):				Hydric Soil Prese	nt? Yes No
Depth (inches):marks:				Hydric Soil Prese	nt? Yes No
Depth (inches): marks: DROLOGY etland Hydrology Indicators:				Hydric Soil Prese	nt? Yes No
Depth (inches): marks: DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one					nt? Yes No
Depth (inches):		Salt Crust (B11)		Secondary In	
Depth (inches): Marks: DROLOGY Iland Hydrology Indicators: mary Indicators (minimum of one Surface Water (A1) High Water Table (A2)				Secondary In Water Ma	dicators (2 or more required)
Depth (inches): DROLOGY tland Hydrology Indicators: nary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3)	e required; chec	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)		Secondary In Water Mi Sedimen	dicators (2 or more required) arks (B1) (Riverine)
Depth (inches):	e required; chec - - - e) _	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		Secondary In Water Mater Mate	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10)
Depth (inches):	e required; chec - - - e) _ Iverine) _	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along		Secondary In Water Mater Mate	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10)
Depth (inches):	e required; chec - - - e) _ Iverine) _	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		Secondary In Water Ma Sedimen Drift Dep Drainage (C3) Dry-Seas	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10)
Depth (inches):	e required; chec - - e) _ liverine) _	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along	24)	Secondary In Water Ma Sedimen Drift Dep Drainage (C3) Crayfish I	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8)
Depth (inches):	e required; chec - - e) _ liverine) _	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C) Recent Iron Reduction in Till Thin Muck Surface (C7)	24)	Secondary In Water Mater Mate	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8)
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverin Sediment Deposits (B2) (Nonr Drift Deposits (B3) (Nonriverin Surface Soil Cracks (B6) Inundation Visible on Aerial Images	e required; chec - - e) _ liverine) _	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C	24)	Secondary In Water Mater Mate	dicators (2 or more required) erks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (CS
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one Surface Water (A1) High Water Table (A2) -Saturation (A3) Water Marks (B1) (Nonriverin Sediment Deposits (B2) (Nonr Drift Deposits (B3) (Nonriverin Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Water-Stained Leaves (B9) d Observations:	e required; chec 	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till Thin Muck Surface (C7) Other (Explain in Remarks)	ed Soils (C6)	Secondary In Water Mater Mate	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (C9) equitard (D3)
Depth (inches):	e required; chec e) iverine) agery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till Thin Muck Surface (C7) Other (Explain in Remarks)	c4) ed Soils (C6)	Secondary In Water Mater Mate	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (C9) equitard (D3)
Depth (inches):	e required; chec e) iverine) agery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till Thin Muck Surface (C7) Other (Explain in Remarks)	c4) ed Soils (C6)	Secondary In Water Mater Mate	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (C9) equitard (D3)
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Depth (inches):	e required; chec	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	ed Soils (C6) Wetland	Secondary In Water Mater Mate	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) ary (D3) tral Test (D5)
DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverin Sediment Deposits (B2) (Nonr Drift Deposits (B3) (Nonriverin Surface Soil Cracks (B6) Inundation Visible on Aerial Ima Water-Stained Leaves (B9) d Observations: face Water Present? Yes per Table Present? Yes uration Present? Yes	e required; chec	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	C4) ed Soils (C6) Wetlandspections), if a	Secondary In Water Mater Mate	dicators (2 or more required) arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 aquitard (D3) tral Test (D5)
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