

Photograph B57. SP04 examined within isolated unvegetated area. Surface hydrology indicators were observed; however, hydric soils were not present, and the area was determined to lack potentially regulated aquatic resources.



Photograph B58. SP04 overview, facing northeast.



Photograph B59. SP05 examined within isolated depression for potential wetland indicators. No indicators observed. Area determined to lack potentially regulated aquatic resources.



Photograph B60. SP05 overview, facing northeast.



Photograph B61. FP01 overview. View facing north-northeast, captured during other biological surveys on May 10, 2022.



Photograph B62. FP02 (right) and start of S64 as it conveys flow across the dirt access road in overflow periods. Flow is conveyed to left of image when flowing. View facing south–southeast.



Photograph B63. FP03 functioning as sedimentation basin without hydrologic outlet. Feature lacks hydrologic output. View facing northeast.



Photograph B64. NWI-mapped Boundary Creek. No hydrology indicators. View facing west.



Photograph B65. NWI-mapped Boundary Creek. No hydrology indicators. View facing northwest.



Photograph B66. NWI-mapped Boundary Creek. No hydrology indicators. View facing west–northwest.



Photograph B67. Feature 68, view facing south/downstream.



Photograph B68. Freshwater Pond 08. Not an NWI-mapped feature. View facing southeast/downslope.



Photograph B69. Wetland determination sampling plot 06. Delineator examining the wetland determination sampling plot. View facing north/upslope.

APPENDIX C

Datasheets

Project/Site: Starlight Solar		City/County:	Boulevare	d/San Diego	Sampling Date:	1/10/2022
Applicant/Owner: Empire II, LLC		150		State: CA		-
Investigator(s): Luis Aguilar and Lauren Strong (SW	CA)					
Landform (hillslope, terrace, etc.): Catchment Basin						one (%): 2
Subregion (LRR): C						
Soil Map Unit Name: Mottsville loamy coarse sand,						
Are climatic / hydrologic conditions on the site typical for					-	
Are Vegetation, Soil, or Hydrology						√ No
						<u>*</u>
Are Vegetation, Soil, or Hydrology						
SUMMARY OF FINDINGS – Attach site ma	ap showing	samplin	g point lo	cations, transe	cts, important f	eatures, etc
Hydrophytic Vegetation Present? Yes✓	No			_		
Hydric Soil Present? Yes✓	No		e Sampled		✓ No	
Wetland Hydrology Present? Yes <u>√</u>	No	100000000000000000000000000000000000000	n a Wetlan		NO	-
Remarks:						
SP01 within a manipulated pond/catchment basin. Vegeta hydrology, and problematic vegetation, the area represen						
myarology, and problematic vegetation, the area represen	ted by SFUI Was	acter minet	to be Mitili	a weciana, No nyaro	logic output due to be	aming of Toad.
VEGETATION – Use scientific names of pl	ants.					
Tree Stratum (Plot size: 30-ft)	Absolute	Dominant	Indicator	Dominance Test w	vorksheet:	
Tree Stratum (Plot size: 30-ft)	% Cover	Species?	<u>Status</u>	Number of Dominar	nt Species	
1. 10/1	_			That Are OBL, FAC	W, or FAC:	(A)
2				Total Number of Do		
3 4			 .:	Species Across All	Strata:	(B)
T		= Total Co	 /er	Percent of Dominar		(A (D)
Sapling/Shrub Stratum (Plot size: 15-ft)				That Are OBL, FAC	W, or FAC:	(A/B)
1. <u>NA</u>				Prevalence Index		
2					of: Multip	
3					x 1 =	
4					x 2 = x 3 =	
5		= Total Co			x 4 =	
Herb Stratum (Plot size: 5-ft)		_ = 10ta1 00			x 5 =	
1. Non-native annual mustards and grasses*	15				(A)	
2						
3.					dex = B/A =	
4				Hydrophytic Veget		
5				Dominance Tes		
6					Adaptations ¹ (Provide	e supportina
7 8.	. 25.			data in Rem	arks or on a separat	e sheet)
· .		= Total Co	 /er	✓ Problematic Hy	drophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 15-ft)			nanciii	1		
1. <u>NA</u>					soil and wetland hyddisturbed or problem	
2		·		572 15 MAR 2021		
		_= Total Co	4100	Hydrophytic Vegetation		
% Bare Ground in Herb Stratum 85 % Co	over of Biotic C	rust0		Present?	Yes <u>√</u> No _	
Remarks:						
*Non-native herbaceous vegetation. Ske	eletons lack	king diag	nostic pa	rts.		
				etland hydrolog		

		to the de	oth needed to docu			or confirr	n the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Feature %		Loc ²	Texture	Remarks
0-2	10YR 2/2	100	V2	-32		7	SiCL	
2-3	2.5Y 2.5/1	97	10YR 4/3	3		PL	SiC	
3-6	10YR 2/2	94	7.5YR 5/6	6		PL	SiC	,-
6-8.5	10YR 3/1	90	10YR 5/8	10	C	PL	SCL	:
	2.5Y 4/1	98	10YR 5/4	2	C	M	SL	
	2.5Y 4/2	96	10YR 5/4	4	C	M	SL	
Hydric Soil Histosc Histic E Black H Hydrog Stratific 1 cm M Deplete Thick E Sandy Sandy	Concentration, D=De I Indicators: (Applion of (A1) Epippedon (A2) Histic (A3) Jen Sulfide (A4) ed Layers (A5) (LRR D) ed Below Dark Surfa Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4)	cable to al		erwise not lox (S5) atrix (S6) cky Minera yed Matrix Matrix (F3) k Surface bark Surfa	ted.) al (F1) ((F2) (F6) ce (F7)	ed Sand G	Indicators1 cm M2 cm MReducRed POther Indicators wetland	cation: PL=Pore Lining, M=Matrix. if or Problematic Hydric Soils ³ : Muck (A9) (LRR C) Muck (A10) (LRR B) ized Vertic (F18) iarrent Material (TF2) (Explain in Remarks) of hydrophytic vegetation and hydrology must be present, disturbed or problematic.
Remarks:	moist through		_				Hydric Soil	Present? Yes <u>√</u> No
Depth (ii Remarks: Pedon is IYDROLO Wetland Hy Primary Ind	moist through OGY ydrology Indicators licators (minimum of	out.	ed; check all that app				Secon	ndary Indicators (2 or more required)
Depth (ii Remarks: Pedon is YPROLO Wetland Hy Primary Ind Surface High W	DGY ydrology Indicators licators (minimum of e Water (A1) /ater Table (A2)	out.	od; check all that app Salt Crust Biotic Cru	: (B11) st (B12)			<u>Seco</u> r V S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Ind Surface High W Saturat	DGY ydrology Indicators licators (minimum of e Water (A1) /ater Table (A2) tion (A3)	out. : one require	ed; check all that app Salt Crust Biotic Cru Aquatic Ir	: (B11) st (B12) overtebrate			<u>Secor</u> V S C	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Ind Surface High W Saturat Water I	DGY ydrology Indicators licators (minimum of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive	out. : one require	ed; check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen	: (B11) st (B12) overtebrate Sulfide C	dor (C1)	Living Ro	Secor W S C	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime	DGY ydrology Indicators licators (minimum of e Water (A1) /ater Table (A2) tion (A3)	out. : one require	ed; check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen	: (B11) st (B12) overtebrate Sulfide C Rhizosphe	dor (C1) eres along		Secor — V — S — D — D ots (C3) — D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
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Project/Site: Starlight Solar		City/County: Boulev	ard/San Diego	_ Sampling Date: _	1/10/2022
Applicant/Owner: Empire II, LLC		127	State: CA	Sampling Point:	SP02
Investigator(s): Luis Aguilar and Lauren Strong (SW	CA) s				
Landform (hillslope, terrace, etc.): Catchment Basin		AND THE PROPERTY OF THE PROPER			ne (%): 2
Subregion (LRR): C					
Soil Map Unit Name: Mottsville loamy coarse sand,					
Are climatic / hydrologic conditions on the site typical for		20			
Are Vegetation, Soil, or Hydrology			"Normal Circumstances"		/ No
Are Vegetation, Soil, or Hydrology			needed, explain any answ		110
SUMMARY OF FINDINGS – Attach site ma	p showing	sampling point	locations, transect	s, important fe	atures, etc
Hydrophytic Vegetation Present? Yes	No <u>√</u>	Is the Sample	nd Area		
Hydric Soil Present? Yes	No ✓	within a Wetl		No✓	
Wetland Hydrology Present? Yes	No <u>√</u>	William & William			
Remarks:					
SP02 within a manipulated pond/catchme					
Vegetation could not be identified. See ve	egetation re	emarks below.			
VEGETATION – Use scientific names of pl	ants.				
20.6	Absolute	Dominant Indicator		ksheet:	
Tree Stratum (Plot size: 30-ft	<u>% Cover</u>	Species? Status	Number of Dominant That Are OBL, FACW	Species	/A)
1. <u>NA</u>	302 30		_ That Are OBL, FACW	, or FAC:	—— (A)
2		<u></u>	Total Number of Dom Species Across All St		(B)
4			3.0 • 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	- Constitution	(D)
		= Total Cover	Percent of Dominant 3 That Are OBL, FACW	Species or FAC:	(A/B)
Sapling/Shrub Stratum (Plot size: 15-ft)					(/32/
1. <u>NA</u>			Prevalence Index wo	orksneet: Multiply	, by:
2			OBL species		
3			FACW species		
5			FAC species		
		= Total Cover	FACU species		
Herb Stratum (Plot size: 5-ft)			UPL species	x 5 =	
1. Non-native annual mustards and grasses*		P%	- Column Totals:	(A)	(B)
2			- Prevalence Inde	x = B/A =	
3			Hydrophytic Vegetat	- 24	*
5.		· · · · · · · · · · · · · · · · · · ·	Dominance Test		
6.	- CA - CA		Prevalence Index		
7.			Morphological Ad	aptations ¹ (Provide	supporting
8.			4	ks or on a separate	
March Marc Obstance (Distriction of E.	15	= Total Cover	Problematic Hydr	ophytic Vegetation ¹	(⊏xhiaiu)
Woody Vine Stratum (Plot size: 15-ft) 1. NA			¹ Indicators of hydric s	oil and wetland hydr	ology must
1. <u>NA</u> 2			be present, unless dis		
	0	= Total Cover	Hydrophytic		
% Bare Ground in Herb Stratum85 % Co			Vegetation	es No	J
Remarks:	TO OF BIOLIC OF		r resent 1	NU_	*
	·				
*Non-native herbaceous vegetation. Ske Vegetation is problematic. Not assumed					
	terrological broad	م بامما مد میبام من	f budric coils and w	otland bydrol	0.001

	cription: (Describe	to the depth	needed to document the indicator or	confirm the abse	ence of indicators.)
Depth	Matrix		Redox Features		
(inches)	Color (moist)		Color (moist) % Type ¹	Loc ² Textur	e Remarks
0-3	10YR 2/2	100		SiCL	s
3-13	10YR 2/2	100		CL	
13-20	10YR 3/2	100		SL	
					
	1 (C				
		-:			
					r
			educed Matrix, CS=Covered or Coated		² Location: PL=Pore Lining, M=Matrix.
570	100 0 0	cable to all LR	RRs, unless otherwise noted.)		tors for Problematic Hydric Soils ³ :
Histosol	(A1) pipedon (A2)		Sandy Redox (S5) Stripped Matrix (S6)		cm Muck (A9) (LRR C) cm Muck (A10) (LRR B)
	istic (A3)		Loamy Mucky Mineral (F1)		educed Vertic (F18)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		ed Parent Material (TF2)
	d Layers (A5) (LRR	C)	Depleted Matrix (F3)	_ 0	ther (Explain in Remarks)
-0 10 40	uck (A9) (LRR D)	00 (044)	Redox Dark Surface (F6)		
	d Below Dark Surfa ark Surface (A12)	ue (ATT)	Depleted Dark Surface (F7) Redox Depressions (F8)	3Indics	ators of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Pools (F9)		and hydrology must be present,
Sandy G	Gleyed Matrix (S4) Layer (if present):		27 22	unle	ess disturbed or problematic.
Remarks:	ches):		_ _	Hydric	Soil Present? Yes No _√_
Depth (in Remarks: Pedon is	moist through			Hydric	Soil Present? Yes No _✓
Depth (in Remarks: Pedon is	moist through	out.		Hydric	Soll Present? Yes No _✓
Depth (in Remarks: Pedon is IYDROLO Wetland Hy	ches): moist through GY drology Indicators	out.			
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India	moist through GY drology Indicators cators (minimum of	out.	check all that apply)		Secondary Indicators (2 or more required)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Indic Surface	moist through GY drology Indicators cators (minimum of Water (A1)	out.	check all that apply) Salt Crust (B11)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2)	out.	check all that apply) Salt Crust (B11) Biotic Crust (B12)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa Saturatia	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3)	out. : one required; c	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)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2)	out. : one required; c	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)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimer	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive	out. : one required; c	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	S S	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimer Drift Dep Surface	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) farks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6)	out. : one required; c rine) portiverine) erine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lik Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	S S	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimer Drift Dep Surface Inundati	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) flarks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial	out. : one required; c rine) partiverine) erine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lik Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)	S S	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wat Saturati Water M Sedimer Drift Dep Surface Inundati Water-S	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9)	out. : one required; c rine) partiverine) erine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lik Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	S S	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Water M Sedimen Drift Dep Surface Inundati Water-S Field Obser	moist through GY drology Indicators cators (minimum of Water (A1) art Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial citained Leaves (B9) vations:	out. : one required; o	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	S S	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water N Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) darks (B1) (Nonrive nt Deposits (B2) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present?	out. : one required; of portiverine) erine) Imagery (B7) Yes No	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	S S	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa Saturati Water N Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present?	out. : one required; of portiverine) erine) lmagery (B7) Yes No Yes No	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lik Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	/ing Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary India Surface High Wa Saturatin Water N Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present?	out. : one required; of portiverine) erine) lmagery (B7) Yes No Yes No	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	/ing Roots (C3)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Indic Surface High Wa Saturati Vater N Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present? Present? resent?	out. cone required;	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lik Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	ring Roots (C3) Soils (C6) Wetland Hydro	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Indic Surface High Wa Saturati Water M Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca) Describe Re	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present? Present? resent?	out. cone required;	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	ring Roots (C3) Soils (C6) Wetland Hydro	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Indic Surface High Wa Saturati Vater N Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present? Present? resent?	out. cone required;	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	ring Roots (C3) Soils (C6) Wetland Hydro	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Indic Surface High Wa Saturati Water M Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca) Describe Re	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present? Present? resent?	out. cone required;	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	ring Roots (C3) Soils (C6) Wetland Hydro	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (in Remarks: Pedon is IYDROLO Wetland Hy Primary Indic Surface High Wa Saturati Water M Sedimer Drift Dep Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca) Describe Re	moist through GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonrive nt Deposits (B2) (No cosits (B3) (Nonrive Soil Cracks (B6) on Visible on Aerial stained Leaves (B9) vations: er Present? Present? resent?	out. cone required;	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	ring Roots (C3) Soils (C6) Wetland Hydro	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: <u>Starlight Solar</u>	City.	/County: Bouleva	rd/San Diego	_ Sampling Date: _	1/13/2022
Applicant/Owner: Empire II, LLC	- CA - 525	*	State: CA	_ Sampling Point: _	SP03
Investigator(s): Luis Aguilar and Lauren Strong (SWC					
Landform (hillslope, terrace, etc.): Potential Catchmen	t Basin Loc	cal relief (concave.	convex, none); Concav	/e Slop	e (%): 2
Subregion (LRR): C					
Soil Map Unit Name: Mottsville loamy coarse sand, 2					
Are climatic / hydrologic conditions on the site typical for ti					
Are Vegetation, Soil, or Hydrology					No
Are Vegetation, Soil, or Hydrology					
	5 VZ(XZ)		2 2		
SUMMARY OF FINDINGS – Attach site map	snowing sa	mpling point i	ocations, transec	ts, important rea	itures, etc
Hydrophytic Vegetation Present? Yes	No <u>√</u>	Is the Sampled	l Area		
Hydric Soil Present? Yes	No <u>√</u>	within a Wetla		No ✓	
Wetland Hydrology Present? Yes	No_ <u>√</u>				
Remarks:					
Potential catchment basin which may have					
SP01 and SP02, but berm supporting access	s road resulte	a in lack of ny	arologic connectiv	ity, isolated dep	ression.
VEGETATION – Use scientific names of pla	nts.				
Tree Stratum (Plot size: 30-ft)	Absolute Do	ominant Indicator	Dominance Test wo	rksheet:	
a MA		ecies? Status	Number of Dominant That Are OBL, FACW		(Δ)
2					(//
3.			Total Number of Dom Species Across All St		(B)
4.			10 NOOTHINGTON MANAGEMENTS THE	5-2144A	
45.6	0=1	Total Cover	Percent of Dominant That Are OBL, FACW	Species /, or FAC:	(A/B)
Sapling/Shrub Stratum (Plot size: 15-ft) 1. Artemisia tridentata	2	NI NI*	Prevalence Index we	*	
2	- 100	516 - 5	25 20-44-26-30-02/03/20-40/20/04/04/04/04/04/04/	: Multiply	bv:
3.			OBL species		
4.			FACW species		
5.			FAC species	x 3 =	
	<u>3</u> = T	Total Cover	FACU species	x 4 =	
<u>Herb Stratum</u> (Plot size: <u>5-ft</u>) 1. Non-native annual mustards and grasses**	15		UPL species		
2		288	Column Totals:	(A)	(B)
3.			Prevalence Inde	ex = B/A =	
4.			Hydrophytic Vegeta	tion Indicators:	
5			Dominance Test		
6			Prevalence Index		
7				daptations¹ (Provide s rks or on a separate s	
8	15 -			rophytic Vegetation ¹ (
Woody Vine Stratum (Plot size: 15-ft)	<u>15</u> =1	Total Cover			
1. NA			Indicators of hydric s		
2			be present, unless dis	sturbed or problemati	С.
	<u> </u>	Total Cover	Hydrophytic Vegetation		
% Bare Ground in Herb Stratum85 % Co.	er of Biotic Crust	0		/es No	<u>/</u>
Remarks:					
*No hydrologic indicator. Assumed uplan	d.				
			parts.		

Depth	cription: (Describ	e to the depth	n needed to document the indicator or co	nfirm the absence of	ndicators.)
	Matrix		Redox Features Color (moist) % Type Loc	2 Tautura	Remarks
(inches)	Color (moist)				Remarks
0-4	10YR 3/1	- 1/2		To 10	
4-10	10YR 3/2	100		<u>sc</u>	
10-20	10YR 3/2	100		<u>SL</u>	
0					
	20 20	EV2 - EV X3	200	* 3	*
	31 %				-
	7 -				
Type: C=C	Concentration D=D	 enletion RM=F	Reduced Matrix, CS=Covered or Coated San	nd Grains ² Locatio	on: PL=Pore Lining, M=Matrix.
			RRs, unless otherwise noted.)		Problematic Hydric Soils ³ :
Histoso	l (A1)		Sandy Redox (S5)	1 cm Muc	(A9) (LRR C)
	pipedon (A2)		Stripped Matrix (S6)		(A10) (LRR B)
110000000000000000000000000000000000000	listic (A3)		Loamy Mucky Mineral (F1)	Reduced	
	en Sulfide (A4) ed Layers (A5) (LRF	S C)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)		nt Material (TF2) Dlain in Remarks)
	uck (A9) (LRR D)	. 0)	Redox Dark Surface (F6)	Other (EX)	Julii ii Nelliaike)
	ed Below Dark Surfa	ace (A11)	Depleted Dark Surface (F7)		
EX NUMBER OF THE PER	ark Surface (A12)		Redox Depressions (F8)		ydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Pools (F9)		rology must be present, rbed or problematic.
	Gleyed Matrix (S4) Layer (if present):	:		uniess distu	ibed of problematic.
Type:	**************************************				
100 Van 100	nches):			Hydric Soil Pre	esent? Yes No✓_
Remarks:					
IYDROLC	OGY				
	OGY ydrology Indicator	s:			
Wetland Hy	drology Indicator		check all that apply)	Secondal	y Indicators (2 or more required)
Wetland Hy Primary Indi	drology Indicator		Salt Crust (B11)		y Indicators (2 or more required) r Marks (B1) (Riverine)
Primary Indi Surface High W	ydrology Indicator icators (minimum o water (A1) ater Table (A2)		Salt Crust (B11) Biotic Crust (B12)	Wate	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine)
Wetland Hy Primary Indi Surface High W Saturati	rdrology Indicator icators (minimum of water (A1) fater Table (A2) ion (A3)	fone required;	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Wate Sedir Drift	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Wetland Hy Primary Indi Surface High W Saturati Water N	ydrology Indicator icators (minimum o e Water (A1) fater Table (A2) ion (A3) Marks (B1) (Nonriv	fone required; erine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Wate Sedii Drift Drair	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime	vidrology Indicator icators (minimum of 8 Water (A1) fater Table (A2) ion (A3) Warks (B1) (Nonrivent Deposits (B2) (N	f one required; erine) lonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living	Wate Sedin Drift Drain Prain Roots (C3) Dry-S	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2)
Wetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De	ydrology Indicator icators (minimum o e Water (A1) fater Table (A2) ion (A3) Marks (B1) (Nonriv	f one required; erine) lonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Wate Sedin Drift Drain Drain proofs (C3) Dry-5 Cray	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10)
Wetland Hy Primary Indi Surface High W Saturat Water M Sedime Drift De Surface	vidrology Indicator icators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivient Deposits (B2) (Nonrivient Deposits (B3) (Nonrivient (B3) (Nonrivient (B3) (Nonrivient (B3) (Nonrivient (B3) (Nonriv	f one required; erine) lonriverine) verine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Wate Wate Sedin Sedin Point Wate Point Wate Point Wate Point Wate Point Wate Point Point Wate Point Poin	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Geason Water Table (C2) fish Burrows (C8)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat	vidrology Indicator icators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivent Deposits (B2) (Nonrivent Deposits (B3) (Nonrivent Caroks (B6)	f one required; erine) lonriverine) verine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Wate Wate Sedin Sedin Porist Porist	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Deason Water Table (C2) Tish Burrows (C8) Tation Visible on Aerial Imagery (C9)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S	vidrology Indicator icators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrivent Deposits (B2) (Nonrivent Deposits (B3) (Nonrivent Carolis (B6) icin Visible on Aeria Stained Leaves (B9)	f one required; erine) lonriverine) verine) il Imagery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Wate Wate Sedin Sedin Porist Porist	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) sage Patterns (B10) Season Water Table (C2) sish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obsel	vidrology Indicator icators (minimum or icators (A3) idarks (B1) (Nonrivers (B2) (Nonrivers (B3) (Nonrivers (B	f one required; erine) lonriverine) verine) il Imagery (B7)) Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Wate Wate Sedin Sedin Porist Porist	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) sage Patterns (B10) Season Water Table (C2) sish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obsel Surface Wa	vidrology Indicator icators (minimum or icators (A3) idarks (B1) (Nonrivers (B2) (Nonrivers (B3) (Nonrivers (B3) (Nonrivers (B3) (Nonrivers (B4) (Nonrivers (B	erine) lonriverine) verine) il Imagery (B7)) Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Wate	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obser Surface Wa Water Table Saturation F	ydrology Indicator icators (minimum or b Water (A1) ider Table (A2) ion (A3) Marks (B1) (Nonriv int Deposits (B2) (Nonriv c Soil Cracks (B6) ion Visible on Aeria Stained Leaves (B9 rvations: ter Present? Present?	erine) lonriverine) verine) il Imagery (B7)) Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Wate	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) sage Patterns (B10) Season Water Table (C2) sish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obsei Surface Wa Water Table Saturation F (includes ca	drology Indicator cicators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive cent Deposits (B2) (Nonrive the Soil Cracks (B6) cion Visible on Aeria stained Leaves (B9) rvations: ter Present? Present? ppillary fringe)	erine) lonriverine) verine) ll Imagery (B7)) Yes N Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Wate Wate Wate Sedin Sedin Drift Drain Drain Drain Cray Sature Shall Shall FAC-	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obsei Surface Wa Water Table Saturation F (includes ca	drology Indicator cicators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive cent Deposits (B2) (Nonrive the Soil Cracks (B6) cion Visible on Aeria stained Leaves (B9) rvations: ter Present? Present? ppillary fringe)	erine) lonriverine) verine) ll Imagery (B7)) Yes N Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Wate Wate Wate Sedin Sedin Drift Drain Drain Drain Cray Sature Shall Shall FAC-	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obsei Surface Wa Water Table Saturation F (includes ca	drology Indicator cicators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive cent Deposits (B2) (Nonrive the Soil Cracks (B6) cion Visible on Aeria stained Leaves (B9) rvations: ter Present? Present? ppillary fringe)	erine) lonriverine) verine) ll Imagery (B7)) Yes N Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Wate Wate Wate Sedin Sedin Drift Drain Drain Drain Cray Sature Shall Shall FAC-	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obsei Surface Wa Water Table Saturation F (includes ca Describe Re	drology Indicator cicators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive cent Deposits (B2) (Nonrive the Soil Cracks (B6) cion Visible on Aeria stained Leaves (B9) rvations: ter Present? Present? ppillary fringe)	erine) lonriverine) verine) ll Imagery (B7)) Yes N Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Wate Wate Wate Sedin Sedin Drift Drain Drain Drain Cray Sature Shall Shall FAC-	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obsei Surface Wa Water Table Saturation F (includes ca Describe Re	drology Indicator cicators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive cent Deposits (B2) (Nonrive the Soil Cracks (B6) cion Visible on Aeria stained Leaves (B9) rvations: ter Present? Present? ppillary fringe)	erine) lonriverine) verine) ll Imagery (B7)) Yes N Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Wate Wate Wate Sedin Sedin Drift Drain Drain Drain Cray Sature Shall Shall FAC-	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary Indi Surface High W Saturati Water N Sedime Drift De Surface Inundat Water-S Field Obsei Surface Wa Water Table Saturation F (includes ca Describe Re	drology Indicator cicators (minimum of the Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive cent Deposits (B2) (Nonrive the Soil Cracks (B6) cion Visible on Aeria stained Leaves (B9) rvations: ter Present? Present? ppillary fringe)	erine) lonriverine) verine) ll Imagery (B7)) Yes N Yes N Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Solts Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches):	Wate Wate Wate Sedin Sedin Drift Drain Drain Drain Cray Sature Shall Shall FAC-	r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ow Aquitard (D3) Neutral Test (D5)

Project/Site: Starlight Solar	Ci	ty/County: Bouleva	ard/San Diego	_ Sampling Date: _	1/13/2022
Applicant/Owner: Empire II, LLC	3	252	State: CA	Sampling Point:	SP04
Investigator(s): Luis Aguilar and Lauren Strong (SW	CA) s				
Landform (hillslope, terrace, etc.): Isolated Depression					oe (%): <1
Subregion (LRR): C					
Soil Map Unit Name: Mottsville loamy coarse sand,					
Are climatic / hydrologic conditions on the site typical for					
Are Vegetation, Soil, or Hydrology			"Normal Circumstances"		/ No
Are Vegetation, Soil, or Hydrology			eeded, explain any answ		
	- 15161				
SUMMARY OF FINDINGS – Attach site ma	p snowing s	ampling point	locations, transect	s, important re	atures, etc.
Hydrophytic Vegetation Present? Yes	No <u>√</u>	Is the Sample	d Area		
Hydric Soil Present? Yes	No <u>√</u>	within a Wetla		No <u>√</u>	
Wetland Hydrology Present? Yes	No				ti.
Remarks:					
Unvegetated depression.					
VEGETATION – Use scientific names of pl	ants.				
20.6		Dominant Indicator		ksheet:	
Tree Stratum (Plot size: 30-ft)	9	Species? Status	Number of Dominant		(4)
1. <u>NA</u>			That Are OBL, FACW	, or FAC:	(A)
2			Total Number of Domi		(B)
4.			NO. CONTRACTOR AND	10	(5)
	0 =	Total Cover	Percent of Dominant S That Are OBL, FACW		(A/B)
Sapling/Shrub Stratum (Plot size: 15-ft)				<u> </u>	, ,/
1. <u>NA</u>		310	Prevalence Index wo		ı bv
2			OBL species		
3 4			FACW species		
5.			FAC species		
		Total Cover	FACU species	x 4 =	
Herb Stratum (Plot size: 5-ft)	•		UPL species		
1. <u>NA</u>			Column Totals:	(A)	(B)
2			Prevalence Inde	x = B/A =	
4.		200	Hydrophytic Vegetat	20	-
5.			Dominance Test i	s >50%	
6		7%	Prevalence Index		
7		(c. t		aptations¹ (Provide ks or on a separate	
8			Problematic Hydr		
Woody Vine Stratum (Plot size: 15-ft)	0=	Total Cover		op.i.yo cogotation	(=,4,2,)
1. NA			¹ Indicators of hydric se		
2.		0.0	be present, unless dis	turbed or problema	tic.
		Total Cover	Hydrophytic		
% Bare Ground in Herb Stratum 0 % Co	ver of Biotic Cru	st0	Vegetation Present? Y	es No	√
Remarks:			 ← massifica ← vestig (2) 		
Unvegetated depression					
onvebetated achiession					

Depth		to the depth	needed to docum			or confirm	the absence o	of indicators.)
(inches)	Matrix Color (moist)	%	Redo: Color (moist)	x Features	Type ¹	Loc ²	Texture	Remarks
0-4.5	10YR 3/2	100					SiC	
4.5-7.5	10YR 3/2	100			31 9/		SiCL	
7.5-10	10YR 3/2	100					CL	
10-17	10YR 4/2	100					<u>CL</u>	
¹ Type: C=C	concentration, D=De	oletion. RM=R	educed Matrix. CS	S=Covered	d or Coate	d Sand Gr	ains. ² Loca	ution: PL=Pore Lining, M=Matrix.
	Indicators: (Appli							or Problematic Hydric Soils ³ :
Histoso			Sandy Redo					uck (A9) (LRR C)
	pipedon (A2) listic (A3)		Stripped Ma Loamy Mucl		I (F1)			uck (A10) (LRR B) d Vertic (F18)
Hydrog	en Sulfide (A4)		Loamy Gley	ed Matrix				rent Material (TF2)
	d Layers (A5) (LRR	C)	Depleted Ma		EG)		Other (E	Explain in Remarks)
	uck (A9) (LRR D) d Below Dark Surfa	ce (A11)	Redox Dark Depleted Da					
Thick D	ark Surface (A12)	a 6	Redox Depr	essions (l				f hydrophytic vegetation and
	Mucky Mineral (S1) Gleyed Matrix (S4)		Vernal Pool	s (F9)				ydrology must be present, sturbed or problematic.
	Layer (if present):						unices un	narious or problematic.
Туре:			_					
Depth (in	nches):		-()				Hydric Soil F	Present? Yes No <u>√</u>
IYDROLC Wetland Hy	OGY drology Indicators	:						
	cators (minimum of		check all that apply	/)			Second	dary Indicators (2 or more required)
A Production	Water (A1)		Salt Crust	Marine States				ater Marks (B1) (Riverine)
	ater Table (A2)		✓ Biotic Crus		- (D40)			diment Deposits (B2) (Riverine)
— Saturati Water N	ion (A3) Marks (B1) (Nonrive	rine)	Aquatic Inv					ft Deposits (B3) (Riverine) ainage Patterns (B10)
	nt Deposits (B2) (No	35				_iving Roc	(y-Season Water Table (C2)
	posits (B3) (Nonrive	erine)	Presence		tor occasional acts of			ayfish Burrows (C8)
	Soil Cracks (B6) ion Visible on Aerial	Imagery (B7)	Recent Iro Thin Muck			i Soils (C6		turation Visible on Aerial Imagery (C9) allow Aquitard (D3)
 2	Stained Leaves (B9)	magary (D1)	Other (Exp					C-Neutral Test (D5)
— Field Obse					52	Ī		1074 - 5%
			Depth (inc					
Water Table			Depth (inc				and Uselanta	Present? Ves / No
Coturction F	Present? pillary fringe) ecorded Data (strean							Present? Yes <u>√</u> No
(includes ca								
(includes ca Describe Re								
Describe Re	ightly moist.							

plicant/Owner: <u>Empire II, LLC</u> restigator(s): <u>Luis Aguilar and Lauren Strong (SW</u> ndform (hillslope, terrace, etc.): <u>Isolated Shallow D</u> bregion (LRR): <u>C</u>		522 10	State: CA	Compling Doint: CDCC
restigator(s): <u>Luis Aguilar and Lauren Strong (SW</u> ndform (hillslope, terrace, etc.): <u>Isolated Shallow D</u> bregion (LRR): <u>C</u>				Sampling Point: SPUS
ndform (hillslope, terrace, etc.): <u>Isolated Shallow D</u> bregion (LRR): <u>C</u>		Section, Township, F	Range: S8, T18S, R7E	
bregion (LRR): C				e Slope (%); <1
il Map Unit Name: Mottsville loamy coarse sand,				ication: NA
e climatic / hydrologic conditions on the site typical for				55
e Vegetation√, Soil, or Hydrology				present? Yes _ ✓ No
e Vegetation, Soil, or Hydrology			needed, explain any answ	
JMMARY OF FINDINGS – Attach site ma	ap snowing	sampling point	locations, transect	s, important features, etc
lydrophytic Vegetation Present? Yes		Is the Sample	ed Area	
lydric Soil Present? Yes	No <u>√</u>			No <u>√</u>
Vetland Hydrology Present? Yes	No_ <u>√</u> _	3000000 September 180000000		
ite potentially associated with historic c				See vegetation remarks.
oils examined for potential hydric status	s and sub-st	urтасе nydrolog	у.	
EGETATION – Use scientific names of pl	ants.			
ree Stratum (Plot size: 30-ft)		Dominant Indicato Species? Status		ksheet:
. NA		V	- I Number of Dominant a	Species , or FAC:0(A)
	- K(1)2	8/2		
			 Total Number of Domi Species Across All Str 	
			Percent of Dominant S	
tradic a/Oharib Oharbura / Distrains / 15 ft	0	= Total Cover	That Are OBL, FACW	or FAC:0 (A/B)
sapling/Shrub Stratum (Plot size: 15-ft) . NA			Prevalence Index wo	rksheet:
	3/107	00-00-00-00-00-00-00-00-00-00-00-00-00-	all contraction and an extension of the contraction	Multiply by:
				x 1 =
			FACW species	x 2 =
		(0)		x 3 =
lerb Stratum (Plot size: <u>5-ft</u>)	0	= Total Cover	42542400	x 4 =
Erodium cf. cicurarium	50	Y NI*		x 5 =
Other germinates			_ Column Totals	(A) (B)
			Prevalence Inde	x = B/A =
		- 10-	- Hydrophytic Vegetat	
			_ Dominance Test i	
· ·		79	Prevalence Index	
				aptations¹ (Provide supporting ks or on a separate sheet)
• ;		= Total Cover	Problematic Hydro	ophytic Vegetation¹ (Explain)
Voody Vine Stratum (Plot size: 15-ft)		. 10.01.00001		
. <u>NA</u>			 Indicators of hydric so be present, unless dis 	oil and wetland hydrology must
-		PC3		tarboa or problematic.
	0	= Total Cover	Hydrophytic Vegetation	
6 Bare Ground in Herb Stratum40	over of Biotic C	rust0		es No <u> </u>
lemarks:			•	
rodium cf. cicutarium is dominant species amor iagnostic characteristics. Dominance of hydropl	0 0			

Depth	scription: (Describe	to the dep	th needed to docur	nent the	indicator	or confir	m the absence	of indicators.)
(inches)	Matrix Color (moist)	%	Color (moist)	x Feature		Loc ²	Tevture	Remarks
0-3	10YR 4/3	100					0101	Kemarks
3-4.5	10YR 4/2	100	**	300	3			
	10YR 4/2	100			·		CI.	s.
	10YR 4/2		\u00e4					S-
		100					SiC	9-
14.5-20	10YR 4/3	100			_		<u> </u>	
Hydric Soi Histoso	Concentration, D=De I Indicators: (Applie of (A1) Epipedon (A2)			rwise not ox (S5)		d Sand G	Indicators 1 cm N	cation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ : Muck (A9) (LRR C) Muck (A10) (LRR B)
	Histic (A3)		Loamy Muc					ed Vertic (F18)
The state of the s	gen Sulfide (A4) ed Layers (A5) (LRR	C)	Loamy Gley Depleted M		(FZ)		A STAN STANDARD	arent Material (TF2) (Explain in Remarks)
Deplete Thick I Sandy Sandy Restrictive	fluck (A9) (LRR D) ed Below Dark Surfac Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Layer (If present):	ce (A11)	Redox Dark Depleted Di Redox Depl Vernal Pool	ark Surfac ressions (ce (F7)		wetland	of hydrophytic vegetation and hydrology must be present, listurbed or problematic.
Туре:								
Remarks:	nches):		3				nyunc 3011	Present? Yes No✓
	n larvae observ	ed withi	n pedon from 4	l.5 to 2	0 inche	s.		
Unknow YDROLO Wetland Hy Primary Ind		10		у)	0 inche	s.		ndary Indicators (2 or more required) Vater Marks (B1) (Riverine)
Unknow HYDROLO Wetland Hy Primary Ind Surface High W	OGY ydrology Indicators licators (minimum of e Water (A1) /ater Table (A2)	10	d; check all that appl Salt Crust Biotic Crus	y) (B11) st (B12)		s.	v	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine)
Wetland Hyprimary Ind Surface High W Saturat	DGY ydrology Indicators licators (minimum of e Water (A1) /ater Table (A2) tion (A3)	: one require	d; check all that appl Salt Crust Biotic Crus Aquatic In	y) (B11) st (B12) vertebrate	es (B13)	s.	W S D	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Prift Deposits (B3) (Riverine)
Unknow IYDROLC Wetland H: Primary Ind Surface High W Satural Water Sedime Drift De	OGY ydrology Indicators licators (minimum of e Water (A1) /ater Table (A2)	cine) control	d; check all that appl Salt Crust Biotic Crust Aquatic In: Hydrogen Cxidized F Presence Recent Iro	y) (B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct	es (B13) dor (C1) res along ad Iron (C4 on in Tille	Living Ro	W S D D Ots (C3) D C6) S	Vater Marks (B1) (Riverine) sediment Deposits (B2) (Riverine)
HYDROLC Wetland H: Primary Ind Surface High W Satural Water Sedime Sedime Surface	ydrology Indicators glicators (minimum of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (No eposits (B3) (Nonrive e Soil Cracks (B6)	cine) prine) prine) erine) Imagery (B	d; check all that appl Salt Crust Biotic Crust Aquatic In: Hydrogen Cxidized F Presence Recent Iro	y) (B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduce n Reducti	es (B13) dor (C1) eres along ded fron (C4 ion in Tiller (C7)	Living Ro	W S D D D D D D D D C S	Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Oray-Season Water Table (C2) Orayfish Burrows (C8) Seaturation Visible on Aerial Imagery (C9)
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Project/Site: Starlight Solar	Cit	y/County	r. <u>Boulevar</u>	d/San Diego	Sa	mpling Date: _	8/31/2023
Applicant/Owner: Empire II, LLC				State: CA			
Investigator(s): Luis Aguilar and Omar Moquit	Se						
Landform (hillslope, terrace, etc.): Depression	Lo	ocal relie	f (concave,	convex, none): Con	cave	Slo	oe (%): 1
Subregion (LRR): C							
Soil Map Unit Name: LaE2: La Posta loamy coars							
Are climatic / hydrologic conditions on the site typica			.2				
Are Vegetation, Soil, or Hydrology _				Normal Circumstan			/ No
Are Vegetation, Soil, or Hydrology				eded, explain any a	95		
	15000		20	a :			_4
SUMMARY OF FINDINGS – Attach site	map snowing s	ampiin	g point i	ocations, trans	ects, II	прогтапт те	atures, etc
Hydrophytic Vegetation Present? Yes	No √	ls th	e Sampled	Area			
Hydric Soil Present? Yes	No_ <u>√</u> _		in a Wetlar			No_√	
	No✓	5,000,000	COMP. 1500/4010/24100000000	97.55 47.55			Tr.
Remarks:							
VEGETATION – Use scientific names of	f plants.						
Tree Stratum (Plot size: 30-ft)	Absolute [Dominance Test			
1. NA	<u>% Cover</u> <u>S</u>			Number of Domin That Are OBL, FA	ant Spec	ies	(Δ)
2							(//
3.				Total Number of I Species Across A		4	(B)
4				Percent of Domina	ont Cnoo		
One line (Ohan) to Ohan to many (Diet sine) 15 ft	=	Total Co	over	That Are OBL, FA	CW, or F	AC:50	(A/B)
Sapling/Shrub Stratum (Plot size: 15-ft 1. Salix lasiolepis		γ	FACW	Prevalence Index	worksh	eet:	
2				Total % Cove	r of:	Multipl	y by:
3.				OBL species _		x 1 =	
4				FACW species _			
5				FAC species _			
Herb Stratum (Plot size: 5-ft)	5=	Total Co	ver	FACU species _			
1. Erigeron canadensis	3	Υ	NI	UPL species _ Column Totals:			
2. Mimetanthe pilosa	3		FACW	Column rotals		_ (^)	(D)
3. Heliotropium curassavicum			_FACU_	Prevalence	Index =	B/A =	3,
4. Bromus madritensis		Υ	NI	Hydrophytic Veg			
5				Dominance T			
6				Prevalence In		ions¹ (Provide	supporting
7 8.	, inc			data in Re	marks or	on a separate	sheet)
		Total Co	ver	Problematic H	Hydrophy	tic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 15-ft)				linear and a second			
1. <u>NA</u>				Indicators of hydi be present, unless			
2		Tatal Ca		Hydrophytic			
27		Total Co		Vegetation			,
	6 Cover of Biotic Crus	st(<u>, </u>	Present?	Yes _	No	<u> </u>
Remarks:							

			th needed to doc			or confirm	n the absence	of indicators.)
Depth (inches)	Matrix Color (moist)		Color (moist)	dox Feature %		Loc ²	Texture	Remarks
0-3.5	2.5Y 3/3	100					SL	
3.5-10	2.5Y 5/3	100		_	-		SL	
157500 50 10	V. 100 1000 10 000		4000 570					,
10-18	2.5 Y 4/4	99	10YR 5/6	1			LS	
¹Type: C=C	 Concentration, D=D	epletion, RM=	-Reduced Matrix,	CS=Covere	d or Coat	 ed Sand G	rains. ² Loc	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (App	licable to all	LRRs, unless oth	nerwise not	ted.)			for Problematic Hydric Soils ³ :
Histoso			Sandy Re					fluck (A9) (LRR C)
	pipedon (A2)		Stripped I		. LVEV			Muck (A10) (LRR B)
II INDIGONALIANO	listic (A3)			ucky Minera				ed Vertic (F18)
	en Sulfide (A4) ed Layers (A5) (LR	R C)	Loamy Gl	leyed Matrix Matrix (F3)			A TOUR DOWN DOWN	arent Material (TF2) (Explain in Remarks)
	uck (A9) (LRR D)	•/	Redox Da				_ 0.1101 ((Exposit in Normand)
	ed Below Dark Surf	face (A11)	Depleted		A. 100			
- X	ark Surface (A12)		The same of the sa	epressions ((F8)			of hydrophytic vegetation and
	Mucky Mineral (S1		Vernal Po	ools (F9)				hydrology must be present,
	Gleyed Matrix (S4) Layer (if present)						unless di	isturbed or problematic.
	Layer (ii present)							
Type:							Undela Call	December Van No. /
Depth (ir	nches):						Hydric Soil	Present? Yes No✓
Depth (in Remarks:	DGY ydrology Indicato	rs:		oply)				
Depth (in Remarks:	OGY ydrology Indicator icators (minimum o	rs:	t; check all that ap				Secon	idary Indicators (2 or more required)
Depth (ir Remarks: IYDROLC Wetland Hy Primary Indi Surface	OGY ydrology Indicator icators (minimum o e Water (A1)	rs:	t; check all that ap Salt Cru	st (B11)			<u>Secon</u> W	idary Indicators (2 or more required) /ater Marks (B1) (Riverine)
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Depth (ir Remarks: YDROLC	ody Adrology Indicators Adrology Indicators Water (A1) Adrer Table (A2) Adron (A3) A	rs: verine) Nonriverine) verine) al Imagery (B;)) Yes Yes Yes	d; check all that an Salt Cru Solt Cru Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebrate en Sulfide C d Rhizosphe e of Reduct fron Reduct ck Surface explain in Re inches): inches):	es (B13) dor (C1) eres along ed Iron (C ion in Tille (C7) emarks)	Living Roa 4) 4) d Soils (Ca	Secon	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (ir Remarks: YDROLC	ody Adrology Indicators Adrology Indicators Water (A1) Adrer Table (A2) Adron (A3) A	rs: verine) Nonriverine) verine) al Imagery (B;)) Yes Yes Yes	d; check all that an Salt Cru Solt Cru Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebrate en Sulfide C d Rhizosphe e of Reduct fron Reduct ck Surface explain in Re inches): inches):	es (B13) dor (C1) eres along ed Iron (C ion in Tille (C7) emarks)	Living Roa 4) 4) d Soils (Ca	Secon	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (in Remarks: IYDROLC Wetland Hy Primary Indi Surface High W Saturat Water I Sedime Drift De Surface Inundat Water-S Field Obsei Surface Wa Water Table Saturation F (includes ca	ody Adrology Indicators Adrology Indicators Water (A1) Adrer Table (A2) Adron (A3) A	rs: verine) Nonriverine) verine) al Imagery (B;)) Yes Yes Yes	d; check all that an Salt Cru Solt Cru Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebrate en Sulfide C d Rhizosphe e of Reduct fron Reduct ck Surface explain in Re inches): inches):	es (B13) dor (C1) eres along ed Iron (C ion in Tille (C7) emarks)	Living Roa 4) 4) d Soils (Ca	Secon	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (in Remarks: IYDROLC Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obsei Surface Wa Water Table Saturation F (includes ca Describe Re	ody Adrology Indicators Adrology Indicators Water (A1) Adrer Table (A2) Adron (A3) A	rs: verine) Nonriverine) verine) al Imagery (B;)) Yes Yes Yes	d; check all that an Salt Cru Solt Cru Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebrate en Sulfide C d Rhizosphe e of Reduct fron Reduct ck Surface explain in Re inches): inches):	es (B13) dor (C1) eres along ed Iron (C ion in Tille (C7) emarks)	Living Roa 4) 4) d Soils (Ca	Secon	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (ir Remarks: YDROLC	ody Adrology Indicators Adrology Indicators Water (A1) Adrer Table (A2) Adron (A3) A	rs: verine) Nonriverine) verine) al Imagery (B;)) Yes Yes Yes	d; check all that an Salt Cru Solt Cru Aquatic Hydroge Oxidized Presenc Recent I Thin Mu Other (E	st (B11) rust (B12) Invertebrate en Sulfide C d Rhizosphe e of Reduct fron Reduct ck Surface explain in Re inches): inches):	es (B13) dor (C1) eres along ed Iron (C ion in Tille (C7) emarks)	Living Roa 4) 4) d Soils (Ca	Secon	Idary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9) hallow Aquitard (D3) AC-Neutral Test (D5)

Project: Starlight Solar Project Number: 001	Date: 1/10/2022 Time: 1100 Town:Boulevard State: CA Photo begin file#: Photo end file#:
Stream: Unnamed Drainage Investigator(s): Luis Aguilar and Lauren Stre	3
Y ■ / N □ Do normal circumstances exist on the site?	Location Details: Approximately 2.5 miles south of Boulevard.
Y ☐ / N ■ Is the site significantly disturbed?	Projection: Geographic Datum: WGS-84 Coordinates: 32.628502, -116.284982
Potential anthropogenic influences on the channel sys	
Perpendicular access road crossing upstream, but s Anthropogenic issues downstream (see site descrip	
Brief site description:	
This unnamed likely ephemeral drainage con∨eys flow in a soul impoundment. A cul∨ert exists but is elevated at a hight that wo flow events.	therly direction. A berm supporting an old railroad creates ould only facilitate flow across impoundment during extrem
Checklist of resources (if available):	
■ Aerial photography	ge data
■ Topographic maps Period of a	
	ry of recent effective discharges
	ts of flood frequency analysis
	recent shift-adjusted rating
	heights for 2-, 5-, 10-, and 25-year events and the
	recent event exceeding a 5-year event
Global positioning system (GPS)	
Global positioning system (GPS)	recent event exceeding a 5-year event
Global positioning system (GPS) Other studies	recent event exceeding a 5-year event
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain	Floodplain Units Low Terrace
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Low-Flow Channels	Floodplain Units Low Terrace OHWM Paleo Channel
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Low-Flow Channels Procedure for identifying and characterizing the flood	Floodplain Units OHWM Paleo Channel dplain units to assist in identifying the OHWM:
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Low-Flow Channels Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area	Floodplain Units OHWM Paleo Channel dplain units to assist in identifying the OHWM:
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Low-Flow Channels Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area vegetation present at the site.	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Low-Flow Channels Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area vegetation present at the site. 2. Select a representative cross section across the channel.	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and Draw the cross section and label the floodplain units
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Low-Flow Channels Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area vegetation present at the site. 2. Select a representative cross section across the channel. 3. Determine a point on the cross section that is character	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and Draw the cross section and label the floodplain units
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Active Floodplain Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area vegetation present at the site. 2. Select a representative cross section across the channel. 3. Determine a point on the cross section that is character a) Record the floodplain unit and GPS position.	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and Draw the cross section and label the floodplain units ristic of one of the hydrogeomorphic floodplain units
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Low-Flow Channels Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area vegetation present at the site. 2. Select a representative cross section across the channel. 3. Determine a point on the cross section that is character	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and Draw the cross section and label the floodplain units ristic of one of the hydrogeomorphic floodplain units
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Active Floodplain Active Floodplain New Channels Procedure for identifying and characterizing the flood Walk the channel and floodplain within the study area vegetation present at the site. Select a representative cross section across the channel. Determine a point on the cross section that is character a) Record the floodplain unit and GPS position. Describe the sediment texture (using the Wentworth)	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and Draw the cross section and label the floodplain units ristic of one of the hydrogeomorphic floodplain units
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Active Floodplain Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area vegetation present at the site. 2. Select a representative cross section across the channel. 3. Determine a point on the cross section that is character a) Record the floodplain unit and GPS position. b) Describe the sediment texture (using the Wentworth floodplain unit. c) Identify any indicators present at the location. 4. Repeat for other points in different hydrogeomorphic of the studies.	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and Draw the cross section and label the floodplain units ristic of one of the hydrogeomorphic floodplain units across the cross section.
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Active Floodplain Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area vegetation present at the site. 2. Select a representative cross section across the channel. 3. Determine a point on the cross section that is character a) Record the floodplain unit and GPS position. b) Describe the sediment texture (using the Wentworth floodplain unit. c) Identify any indicators present at the location. 4. Repeat for other points in different hydrogeomorphic of the sediment texture (using the Wentworth floodplain unit.) 5. Identify the OHWM and record the indicators. Record	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and Draw the cross section and label the floodplain units ristic of one of the hydrogeomorphic floodplain units in class size) and the vegetation characteristics of the floodplain units across the cross section. the OHWM position via:
Global positioning system (GPS) Other studies Hydrogeomorphic Active Floodplain Low-Flow Channels Procedure for identifying and characterizing the flood 1. Walk the channel and floodplain within the study area vegetation present at the site. 2. Select a representative cross section across the channel. 3. Determine a point on the cross section that is character a) Record the floodplain unit and GPS position. b) Describe the sediment texture (using the Wentworth floodplain unit. c) Identify any indicators present at the location. 4. Repeat for other points in different hydrogeomorphic of the sediment points and different hydrogeomorphic of the sediment points are sediment to the sediment points and different hydrogeomorphic of the sediment points are sediment to the sediment points are sediment points.	Floodplain Units CHWM Paleo Channel dplain units to assist in identifying the OHWM: to get an impression of the geomorphology and Draw the cross section and label the floodplain units ristic of one of the hydrogeomorphic floodplain units across the cross section.

<u>Cross sectio</u>	n drawing:				
To8: Top of Bonk oH: Ordinary High Water Mark X-section Facing upstream (North)					
<u>OHWM</u>					
GPS point: 32	2.628502, -116.284982				
☐ Cha	nge in average sedimer nge in vegetation speci nge in vegetation cover	es	Break in ban Other: Other:	k slope	
Comments:					
Unvegetated	with granule texture.				
Floodplain	unit: Low-Flow	v Channel	Active Floor	Iplain [Low Terrace
GPS point: 32	2.628502, -116.284982				
Characteristi	cs of the floodplain ur				
Characteristi Average sedi Total veg co	cs of the floodplain unment texture: Coarse San	d	b: <u>0</u> % Her	b: <u>4 </u> %	
Characteristi Average sedi Total veg cor Community:	cs of the floodplain ur ment texture: Coarse San	d 0 % Shru	b: 0% Her	eous, shrubs, sa	plings) nature trees)
Characteristi Average sedi Total veg cor Community: NA Earl Indicators:	ment texture: Coarse San ver: 4 % Tree: successional stage: y (herbaceous & seedli	d 0 % Shru	☐ Mid (herbac☐ Late (herbac☐	eous, shrubs, sa eous, shrubs, n	plings) nature trees)
Characteristi Average sedi Total veg cor Community: NA Earl Indicators: Muc	cs of the floodplain ur ment texture: Coarse San ver: 4 % Tree: successional stage: y (herbaceous & seedli	d 0 % Shru	☐ Mid (herbac☐ Late (herbac☐ Soil develop☐ Surface relie☐	eous, shrubs, seeous, shrubs, n	ature trees)
Characteristi Average sedi Total veg cor Community: NA Earl Indicators: Ripp Drif	cs of the floodplain ur ment texture: Coarse San ver: 4 % Tree: successional stage: y (herbaceous & seedli	d 0 % Shru	☐ Mid (herbac☐ Late (herbac☐ Soil develop☐ Surface relie☐ Other:	eous, shrubs, sa eous, shrubs, n ment f	ature trees)
Characteristi Average sedi Total veg cor Community: NA Earl Indicators: Muc Ripp Drift Pres Ben	ment texture: Coarse San ver: 4 % Tree: successional stage: y (herbaceous & seedli deracks bles t and/or debris ence of bed and bank	d 0 % Shru	☐ Mid (herbac☐ Late (herbac☐ Soil develop☐ Surface relie☐ Other:☐ Other:☐ Other:☐	eous, shrubs, seeous, shrubs, n	ature trees)
Characteristi Average sedi Total veg coo Community: NA Earl Indicators: Ripp Drift Pres	ment texture: Coarse San ver: 4 % Tree: successional stage: y (herbaceous & seedli deracks bles t and/or debris ence of bed and bank	d 0 % Shru	☐ Mid (herbac☐ Late (herbac☐ Soil develop☐ Surface relie☐ Other:☐ Other:☐ Other:☐	eous, shrubs, sa eous, shrubs, n ment f	ature trees)
Characteristic Average sedic Total veg concommunity: NA Earl Indicators: Muc Ripp Drift Pres Ben Comments:	ment texture: Coarse San ver: 4 % Tree: successional stage: y (herbaceous & seedli deracks bles t and/or debris ence of bed and bank	d 0 % Shru ngs)	Mid (herbac Late (herbac Soil develop Surface relie Other: Other: Other:	eous, shrubs, sa eous, shrubs, n ment f	ature trees)

Project: Starlight Solar Project Number: 002 Stream: Unnamed Drainage Investigator(s): Luis Aguilar and Lauren Stre	Date: 1/11/2022 Time: 1100 Town:Boulevard State: CA Photo begin file#: Photo end file#:
Y / N Do normal circumstances exist on the site	Approximately i mile south of boulevard.
Y ☐ / N ■ Is the site significantly disturbed?	Projection: Geographic Datum: WGS-84 Coordinates: 32.649971°, -116.279774°
Potential anthropogenic influences on the channel s Access road approximately 580 feet upslope.	ystem:
Brief site description:	
	southerly direction. Area largely undisturbed. The
Geologic maps Hist Vegetation maps Res Soils maps Mos Rainfall/precipitation maps Gag	of record: tory of recent effective discharges sults of flood frequency analysis st recent shift-adjusted rating ge heights for 2-, 5-, 10-, and 25-year events and the st recent event exceeding a 5-year event
	ic Floodplain Units
Active Floodpla Low-Flow Channels	OHWM Paleo Channel
	oodplain units to assist in identifying the OHWM:
Procedure for identifying and characterizing the flo	

Cross section drawing:			
TOB = Top of Bank Cross section facing upstream (NE) N-1-4 TOB TOB			
<u>OHWM</u>			
GPS point: 32.649971°, -116.279774°	-		
Indicators: Change in average sediment texture Change in vegetation species Change in vegetation cover	Break in bank slope Other: Other:		
Comments: Unvegetated with granule texture.			
Floodplain unit: Low-Flow Channel GPS point: 32.649975°, -116.279774°	el 🔳 Active Floodplain 🔲 Low Terrace		
Characteristics of the floodplain unit:	-		
Average sediment texture: Coarse Sand Total veg cover: Mrce:	Shrub: 0 % Herb: 1 % Mid (herbaceous, shrubs, saplings) Late (herbaceous, shrubs, mature trees)		
Indicators: Mudcracks Ripples Drift and/or debris Presence of bed and bank Benches	Soil development Surface relief Other: Other: Other:		
Comments:			
	ual grasses.		

Project: Starlight Solar Project Number: 003 Stream: Unnamed Drainage Investigator(s): Luis Aguilar and Lauren Stre	Date: 1/12/2022 Time: 0900 Town:Boulevard State: CA Photo begin file#: Photo end file#:
Y ■ / N □ Do normal circumstances exist on the site?	Location Details: Approximately 0.5 mile south of Boulevard.
Y ☐ / N ■ Is the site significantly disturbed?	Projection: Geographic Datum: WGS-84 Coordinates: 32.657648°, -116.284963°
Potential anthropogenic influences on the channel sys Access road approximately 530 feet upslope.	tem:
Brief site description:	
This unnamed drainage feature conveys flow in an each of the drainage exhibits a shared OHWM/top of bank and Checklist of resources (if available):	
□ Vegetation maps □ Result ■ Soils maps □ Most r □ Rainfall/precipitation maps □ Gage l	
Hydrogeomorphic I	Floodplain Units
Active Floodplain Low-Flow Channels	OHWM Paleo Channel
	dplain units to assist in identifying the OHWM:
Procedure for identifying and characterizing the flood	to get an impression of the geomorphology and

	ID: OHWM-03 Cross sected of drawing:		Date: 01/12/2022	
OHUM OHUM (Shared OHWM/Top of Bank X-section facing upstream (W)				
<u>OHW</u>	<u>M</u>			
GPS po	int: 32.657648°, -116.284963°			
	ors: Change in average sediment to Change in vegetation species Change in vegetation cover	exture Br	eak in bank slope her: her:	
Comme Unvege	nts: tated with granule texture.			
	olain unit: Low-Flow C	Channel 🔳 Ac	ctive Floodplain	Low Terrace
_	int: 32.657648°, -116.284963°			
	teristics of the floodplain units ge sediment texture: Coarse Sand eg cover: Tree: Tree:		_% Herb: <u>1</u> %	dings)
Total v Comm	unity successional stage: NA Early (herbaceous & seedling		id (herbaceous, shrubs, sap te (herbaceous, shrubs, ma	
Total v Comm	unity successional stage: NA Early (herbaceous & seedling	La So Su Ot Ot	ite (herbaceous, shrubs, ma il development rface relief her: her:	ature trees)
Total v Comm	unity successional stage: NA Early (herbaceous & seedling ors: Mudcracks Ripples Drift and/or debris Presence of bed and bank Benches	La So Su Ot Ot	ite (herbaceous, shrubs, ma il development irface relief her:	ature trees)

Project: Starlight Solar Project Number: 004 Stream: Unnamed Drainage Investigator(s): Luis Aguilar and Lauren Stre	Date: 1/12/2022 Time: 1300 Town:Boulevard State: CA Photo begin file#: Photo end file#:
Y N Do normal circumstances exist on the site	Approximately 0.7 mile south of boulevaru.
Y ☐ / N ■ Is the site significantly disturbed?	Projection: Geographic Datum: WGS-84 Coordinates: 32.654130°, -116.272845°
Potential anthropogenic influences on the channel seem of the chan	- the source of
Brief site description:	
This unnamed drainage feature conveys flow in an ea	asterly direction. The drainage exhibits a broad shared et-flow before reaching Old Hwy 80 on aerial imagery.
Geologic maps Hist Vegetation maps Res Soils maps Gag Rainfall/precipitation maps Gag	of record: tory of recent effective discharges pults of flood frequency analysis st recent shift-adjusted rating ge heights for 2-, 5-, 10-, and 25-year events and the st recent event exceeding a 5-year event
	ic Floodplain Units
Active Floodpla	Low Terrace
Low-Flow Channels	OHWM Paleo Channel
Low-Flow Channels Procedure for identifying and characterizing the flo	

Cross section drawing:	D: 04 Date: 01/12/2022 Time: 1300	
Shared OHWM/Top of Bank X-section facine, downstream (E)		
<u>OHWM</u>		
GPS point: 32.654130°, -116.272845°		
Indicators: Change in average sediment texture Change in vegetation species Change in vegetation cover	Break in bank slope Other: Other:	
Comments: Unvegetated with granule texture.		
Floodplain unit: Low-Flow Channel GPS point: 32.654130°, -116.272845°	■ Active Floodplain	
Characteristics of the floodplain unit: Average sediment texture: Coarse Sand		
Total veg cover: 0 % Tree: 0 % Community successional stage: NA Early (herbaceous & seedlings)	Shrub: 0 % Herb: 1 % Mid (herbaceous, shrubs, saplings) Late (herbaceous, shrubs, mature trees)	
Indicators: Mudcracks Ripples Drift and/or debris Presence of bed and bank Benches	Soil development Surface relief Other: Other: Other:	
Commenter		
Comments:		